



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

A G E N D A

MEETING, SEPTEMBER 5, 2014

A meeting of the South Coast Air Quality Management District Board will be held at 9:00 a.m., in the Auditorium at SCAQMD Headquarters, 21865 Copley Drive, Diamond Bar, California.

Questions About an Agenda Item

- The name and telephone number of the appropriate staff person to call for additional information or to resolve concerns is listed for each agenda item.
- In preparation for the meeting, you are encouraged to obtain whatever clarifying information may be needed to allow the Board to move expeditiously in its deliberations.

Meeting Procedures

- The public meeting of the AQMD Governing Board begins at 9:00 a.m. The Governing Board generally will consider items in the order listed on the agenda. However, any item may be considered in any order.
- After taking action on any agenda item not requiring a public hearing, the Board may reconsider or amend the item at any time during the meeting.

Questions About Progress of the Meeting

- During the meeting, the public may call the Clerk of the Board's Office at (909) 396-2500 for the number of the agenda item the Board is currently discussing.

The agenda and documents in the agenda packet will be made available upon request in appropriate alternative formats to assist persons with a disability. Disability-related accommodations will also be made available to allow participation in the Board meeting. Any accommodations must be requested as soon as practicable. Requests will be accommodated to the extent feasible. Please telephone the Clerk of the Boards Office at (909) 396-2500 from 7:00 a.m. to 5:30 p.m. Tuesday through Friday.

All documents (i) constituting non-exempt public records, (ii) relating to an item on the agenda, and (iii) having been distributed to at least a majority of the Governing Board after the agenda is posted, are available prior to the meeting for public review at the South Coast Air Quality Management District Clerk of the Board's Office, 21865 Copley Drive, Diamond Bar, CA 91765.

The Agenda is subject to revisions. For the latest version of agenda items herein or missing agenda items, check the District's web page (www.aqmd.gov) or contact the Clerk of the Board, (909) 396-2500. Copies of revised agendas will also be available at the Board meeting.

Cleaning the air that we breathe...™

CALL TO ORDER

- Pledge of Allegiance
- Opening Comments: William A. Burke, Ed.D., Chair
Other Board Members
Barry R. Wallerstein, D. Env., Executive Officer
- Presentation of Retirement Award to Novella Gower **Burke**
- Video Presentation on Air Quality by Environmental Justice Summer Institute Students **Dr. Lyou**

Staff/Phone (909) 396-

CONSENT CALENDAR (Items 1 through 21)

Note: Consent Calendar items held for discussion will be moved to Item No. 22

1. Approve Minutes of July 11, 2014 Board Meeting **McDaniel/2500**
2. Set Public Hearing October 3, 2014 to Consider Amendments and/or Adoption to SCAQMD Rules and Regulations: **Wallerstein/3131**

Adopt Proposed Rule 1153.1 – Emissions of Oxides of Nitrogen from Commercial Food Ovens **Chang/3186**

Staff is proposing a new rule which reduces NOx emissions from food ovens, equipment that is currently subject to Rule 1147. PR 1153.1 has higher NOx emission limits than Rule 1147. Compared with Rule 1147, PR 1153.1 delays NOx emission limit compliance dates for existing (in-use) permitted equipment and includes a carbon monoxide emission limit. PR 1153.1 also establishes test methods and provides alternate compliance options. Other proposed requirements include equipment maintenance and recordkeeping. PR 1153.1 is expected to result in a maximum of 120 pounds per day of NOx emission reductions forgone in 2023. (Reviewed: Stationary Source Committee, March 21 and July 25, 2014)

Budget/Fiscal Impact

3. Execute and Amend Contracts for Hydrogen Fueling Infrastructure, Phase II of Hydrogen Network Investment Plan and Low Cost Safety Sensor Demonstration **E**

Miyasato/3249

On March 7, 2014, the Board awarded three contracts to upgrade and refurbish existing hydrogen fueling infrastructure using funds provided by the CEC. Sufficient funds have become available to fund one additional project as a result of negotiations with awardees. In early 2013 and 2014, the CEC released Notices of Proposed Awards recommending funding for 36 new hydrogen fueling stations, 12 of which are strategically located in Southern California. Additional funds are needed to offset higher than anticipated initial costs to successfully establish these stations. In December 2012, the Board awarded a contract to develop Phase I of the Hydrogen Network Investment Plan (H2NIP), and the cosponsors have requested SCAQMD cofund Phase II. Finally, the SCAQMD has been asked to participate in a demonstration of a low cost hydrogen safety sensor. These actions are to execute and amend contracts for hydrogen fueling infrastructure, Phase II of the H2NIP and a safety sensor demonstration. (Reviewed: Technology Committee, July 25, 2014. Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.)

4. ***This item has been withdrawn by staff.***

5. Recognize Revenue and Execute and Amend Contracts to Construct Natural Gas Fueling Stations

Miyasato/3249

The SCAQMD previously recognized \$2.6 million from CEC to fund new or upgrade existing natural gas stations throughout the Basin. An amendment of the CEC grant is needed to replace two CNG station upgrades with one new LNG station installation and change the funding source for one CNG station upgrade. Additionally, in September 2013 U.S. DOE revenue was recognized into the Science & Technology Advancement's FY 2013-14 Budget to fund a UPS project, but the revenue should have been recognized into the Clean Fuels Fund (31). These actions are to approve the replacement project to be funded by the CEC grant from the Clean Fuels Fund (31), substitute the funding source for one CNG station upgrade to the Clean Fuels Fund (31), recognize U.S. DOE revenue into the Clean Fuels Fund (31), and execute a contract with UPS for an LNG station refurbishment from the Clean Fuels Fund (31). (Reviewed: Technology Committee, July 25, 2014. Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.)

6. ***This item is now being considered under Other Business.***

7. **Issue Program Announcements for Electric Lawn Mower Vendors, Licensed Scrappers and Support Service Providers**  **Miyasato/3249**

Staff proposes to extend the successful Lawn Mower Exchange Program by offering similar incentives in spring 2015 to generate cost-effective emission reductions. This action is to issue Program Announcements to solicit competitive bids from manufacturers of cordless electric lawn mowers in sufficient quantities and at the lowest possible price for the 2015 program as well as from licensed scrappers and support service providers to physically handle mowers at lawn mower exchange events. (Reviewed: Mobile Source Committee, July 25, 2014; Recommended for Approval)

8. **Issue RFP to Measure Emissions from Refineries and Other Sources Utilizing Advanced Remote Sensing Technologies, Develop Advanced Fenceline Monitoring Systems and Issue RFQ to Procure Wind LIDAR System** **Tisopoulos/3123**

Recent advances in optical remote sensing technology have made it possible to quantify fugitive VOC emissions from an entire refinery complex. Two recent SCAQMD-funded pilot studies have demonstrated the capabilities of some of these remote sensing methods. However, it was concluded that longer term measurements and more detailed wind profile information are needed to enhance the accuracy of emissions data. This action is to issue an RFP to conduct a series of measurement campaigns intended to fully characterize and quantify fugitive and stack emissions from large refineries and other important VOC sources and to develop two different remote sensing monitoring systems. This action is to also issue an RFQ and subsequent purchase order to procure a portable wind LIDAR system for continuous wind profile measurements in an amount not to exceed \$250,000 from the Rule 1118 Mitigation Fund (54). (Reviewed: Technology Committee, July 25, 2014; Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.)

9. **Execute Contract for Insurance Brokerage Services** **Johnson/3018**

The current contract for insurance brokerage services expires September 30, 2014. On April 4, 2014, the Board approved release of an RFP to solicit proposals from firms interested in providing these services for the next three-year period. This action is to execute a contract with Alliant Insurance Services through September 30, 2017, for an amount not to exceed \$49,000 per year. Funding for this contract has been included in the FY 2014-15 Budget and will be requested in successive fiscal years. (Reviewed: Administrative Committee, July 18, 2014; Recommended for Approval)

10. Issue RFP for Legislative Representation in Sacramento, California **Smith/3242**

The current contracts for legislative representation in Sacramento, California expire on December 31, 2014. This action calls for the issuance of an RFP for legislative consulting services for SCAQMD in Sacramento, California for 2015. The RFP will also indicate that the services contract(s) may be extended for up to two additional one-year terms. Total expenditures for the contract(s) shall not exceed \$350,000 for the initial one-year period. (Reviewed: Administrative Committee, July 18, 2014; Recommended for Approval)

11. Approve Contract Award Approved by MSRC **Pettis**

The MSRC approved an award to Anaheim Transportation Network to provide Circulator Service as part of the Event Center Transportation Program under the FYs 2012-14 Work Program. At this time the MSRC seeks Board approval of the contract award under the FYs 2012-14 Work Program. (Reviewed: Mobile Source Air Pollution Reduction Review, August 21, 2014; Recommended for Approval)

12. ***This item has been withdrawn by staff.***

Action Item/No Fiscal Impact

13. Recommendation to Amend Governing Board Meeting Procedures **Wiese/3460**

The Governing Board has adopted written procedures for conducting Board meetings. The procedures address key issues the Board faces on a recurring basis. This item is a recommendation to amend the procedures to clarify the Board's policy on making modifications to the text of proposals at the Board hearing. This item also incorporates the Governing Board Procedures into the SCAQMD Administrative Code. (Reviewed: Administrative Committee, July 18, 2014; Recommended for Approval)

Items 14 through 21 - Information Only/Receive and File

14. Legislative & Public Affairs Report **Smith/3242**

This report highlights the June and July 2014 outreach activities of Legislative and Public Affairs, which include: Environmental Justice Update, Community Events/Public Meetings, Business Assistance, and Outreach to Business and Federal, State, and Local Government. (No Committee Review)

15. **Hearing Board Report** **Camarena/2500**

This reports the actions taken by the Hearing Board during the period of June 1 through July 31, 2014. (No Committee Review)

16. **Civil Filings and Civil Penalties Report** **Wiese/3460**

This reports the monthly penalties from June 1 through June 30, 2014, and legal actions filed by the General Counsel's Office during June 1 through June 30, 2014. An Index of District Rules is attached with the penalty report. (Reviewed: Stationary Source Committee, July 25, 2014)

17. **Lead Agency Projects and Environmental Documents Received by SCAQMD** **Chang/3186**

This report provides, for the Board's consideration, a listing of CEQA documents received by the SCAQMD between June 1, 2014 and July 31, 2014, and those projects for which the SCAQMD is acting as lead agency pursuant to CEQA. (No Committee Review)

18. **Rule and Control Measure Forecast** **Chang/3186**

This report highlights SCAQMD rulemaking activities and public workshops potentially scheduled for the year 2014 and a portion of 2015. (No Committee Review)

19. **FY 2013-14 Contract Activity** **O'Kelly/2828**

This report lists the number of contracts let during FY 2013-14, the respective dollar amounts, award type, and the authorized contract signatory for the SCAQMD. This report includes the data provided in the March 2014 report covering contract activity for the first six months of FY 2013-14. (No Committee Review)

20. **Summary of Changes to FY 2013-14 Approved Budget** **O'Kelly/2828**

This is the annual report of budget changes for FY 2013-14. (No Committee Review)

21. Status Report on Major Projects for Information Management Scheduled to Start During First Six Months of FY 2014-15 **Marlia/3148**

Information Management is responsible for data systems management services in support of all SCAQMD operations. This action is to provide the monthly status report on major automation contracts and projects to be initiated by Information Management during the first six months of FY 2014-15. (No Committee Review)

22. Items Deferred from Consent Calendar

BOARD CALENDAR

23. Administrative Committee (Receive & File) **Chair: Burke** **Wallerstein/3131**
24. Legislative Committee (Receive & File) **Chair: Gonzales** **Smith/3242**
25. Mobile Source Committee (Receive & File) **Chair: Parker** **Chang/3186**
26. Stationary Source Committee (Receive & File) **Chair: Yates** **Nazemi/2662**
27. Technology Committee (Receive & File) **Chair: J. Benoit** **Miyasato/3249**
28. Mobile Source Air Pollution Reduction Review Committee (Receive & File) **Board Liaison: Antonovich** **Hogo/3184**
29. California Air Resources Board Monthly Report (Receive & File) **Board Rep: Mitchell** **McDaniel/2500**

Staff Presentation/Board Discussion

30. Status Report on Regulation XIII - New Source Review **Nazemi/2662**

This report presents the federal final determination of equivalency for January 2012 through December 2012. As such, it provides information regarding the status of Regulation XIII – New Source Review in meeting federal NSR requirements and shows that SCAQMD’s NSR program is in final compliance with applicable federal requirements from January 2012 through December 2012. (Reviewed: Stationary Source Committee, July 25, 2014)

31. SCAQMD Plug-in Electric Vehicle Infrastructure Activities (*No Written Material*) **Miyasato/3249**

At the July 2014 Board Meeting, Board Members inquired about the recent activities to assist with plug-in electric vehicle (PEV) infrastructure, especially as related to multi-unit dwellings. Staff will present on PEV charging deployment, community readiness activities as well as an update on the SCAQMD headquarters infrastructure planning. (Reviewed: Technology Committee, July 25, 2014)

PUBLIC HEARINGS

32. Amend Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces **Chang/3186**

PAR 1111 delays the compliance date for condensing (high efficiency) units until April 1, 2015. The proposed amendment would also add a mitigation fee-based compliance option to allow up to three years' delay for residential furnace manufacturers that require additional time to produce furnaces that meet the 14 ng/Joule emission limit. The proposed mitigation fee will be used to mitigate the air emissions impacts of the delay. This action is to 1) Establish the Rule 1111 Mitigation Fee Alternate Compliance Fund, 2) Authorize the Executive Officer to: A) Recognize upon receipt mitigation fees paid by heating furnace manufacturers into the Rule 1111 Mitigation Fee Alternate Compliance Fund pursuant to Rule 1111 (c)(5); B) Refund mitigation fees paid in excess of the number of units distributed or sold into the SCAQMD during each one year Rule 1111 mitigation fee alternate compliance period pursuant to Rule 1111 (c)(5)(B); and C) Fund NOx emission reduction projects or series of projects in a timely manner that will offset and mitigate the more than 20 years of excess emissions from sale of non-compliant heating furnaces through Rule 1111 mitigation fee alternate compliance plans; 3) Adopt the attached resolution: A) Certifying the Final Environmental Assessment for Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces; and, B) Amending Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces. (Reviewed: Stationary Source Committee, March 21 and June 20, 2014)

33. Amend Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations **Fine/2239**

The proposed amendment seeks to make administrative changes to the rule by removing obsolete rule language, and making minor revisions and editorial corrections. The proposed amendment also adds new definitions to promote clarity and consistency, and further aligns the transfer efficiency equivalency requirements with the state suggested control measure. This action is to adopt the resolution: 1) Determining that the proposed amendments to Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations are exempt from the requirements of the California Environmental Quality Act; and 2) Amending Rule 1151. (Reviewed: Stationary Source Committee, July 25, 2014)

OTHER BUSINESS

34. Approve Truck Projects under “Year 4” Proposition 1B-Goods Movement Program

Miyasato/3249

At its April 4, 2014 meeting, the Board approved a list of heavy-duty truck projects under the “Year 4” Proposition 1B-Goods Movement Program. Since then additional truck project applicants have furnished information for completion of evaluations and the projects have passed CARB’s compliance check requirements. This action is to augment the list of truck projects, previously approved by the Board, with additional truck projects as outlined in Table 1. (No Committee Review)

PUBLIC COMMENT PERIOD – (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)

BOARD MEMBER TRAVEL – (No Written Material)

Board member travel reports have been filed with the Clerk of the Boards, and copies are available upon request.

CLOSED SESSION - (No Written Material)

Wiese/3460

It is necessary for the Board to recess to closed session pursuant to Government Code section 54956.9(a) and 54956.9(d)(1) to confer with its counsel regarding pending litigation which has been initiated formally and to which the SCAQMD is a party. The actions are:

- Exide Technologies, Inc. v. SCAQMD, et al., Los Angeles Superior Court Case No. BS146770 (Writ of Mandate);
- People of the State of California, ex rel SCAQMD v. Exide Technologies, Inc., Los Angeles Superior Court Case No. BC533528;
- In the Matter of SCAQMD v. Exide Technologies, Inc., SCAQMD Hearing Board Case No. 3151-29 (Order for Abatement);
- Exide Technologies, Inc., Petition for Variance, SCAQMD Hearing Board Case No. 3151-31;
- In re: Exide Technologies, Inc., U.S. Bankruptcy Court for the District of Delaware, Case No. 13-11482 (KJC) (Bankruptcy case);
- Friedman Marketing v. SCAQMD, California Court of Appeal, Second Appellate District, Case No. B249836 (Rule 461);
- Friends of the Fire Rings v. SCAQMD, San Diego Superior Court, North County, Case No. 37-2014-00008860-CU-WM-NC (Nov. 26, 2013; transferred March 20, 2014);

- Petition for Declaratory Order by U.S. Environmental Protection Agency, Surface Transportation Board Docket No. FD 35803 (Railroad Rules);
- Fast Lane Transportation, Inc. et al. v. City of Los Angeles, et al., Contra Costa County Superior Court Case No. MSN14-0300 (formerly South Coast Air Quality Management District v. City of Los Angeles, et al., Los Angeles Superior Court Case No. BS 143381) (SCIG);
- SCAQMD v. Superior Court of the County of Los Angeles, California Supreme Court Case No. S218900; Court of Appeal, Second Appellate District, Case No. B256002 (Browning-Ferris Industries);
- SCAQMD v. U.S. EPA, U.S. Court of Appeals Ninth Circuit No. 13-73936 (Morongo Redesignation); and
- State of California et al., ex rel. David Sherwin v. Office Depot, Inc., Los Angeles Superior Court Case No. BC410135 (Qui Tam action); and
- WildEarth Guardians, et al. v. U.S. Environmental Protection Agency, U.S. District Court for the District of Columbia Circuit, Case No. 14-1145 (request to intervene).

It is also necessary for the Board to recess to closed session pursuant to Government Code section 54956.9(a) and 54956.9(d)(4) to consider initiation of litigation (one case) and pursuant to Government Code section 54956.9(b) due to significant exposure to litigation (one case).

In addition, it is also necessary for the Board to recess to closed session pursuant to Government Code section 54956.8 to discuss real property negotiations, as follows:

Property: 21825 Copley Drive, Diamond Bar, CA 91765

Agency Negotiator: William Johnson

Negotiating Parties: KB Homes

Under negotiation: Term of payment and price for lease of property.

In addition, it is also necessary for the Board to recess to closed session pursuant to Government Code section 54957.6 to confer regarding upcoming labor negotiations with:

- designated representatives regarding represented employee salaries and benefits or other mandatory subjects within the scope of representation [Negotiator: William Johnson; Represented Employees: Teamsters Local 911 & SCAQMD Professional Employees Association];

and to confer with:

- labor negotiators regarding unrepresented employees [Agency Designated Representative: William Johnson; Unrepresented Employees: Designated Deputies and Management and Confidential employees].

ADJOURNMENT

Members of the public are afforded an opportunity to speak on any listed item before or during consideration of that item. Please notify the Clerk of the Board, (909) 396-2500, if you wish to do so. All agendas are posted at SCAQMD Headquarters, 21865 Copley Drive, Diamond Bar, California, at least 72 hours in advance of the meeting. At the end of the agenda, an opportunity is also provided for the public to speak on any subject within the SCAQMD's authority. Speakers may be limited to three (3) minutes each.

Note that on items listed on the Consent Calendar and the balance of the agenda any motion, including action, can be taken (consideration is not limited to listed recommended actions). Additional matters can be added and action taken by two-thirds vote, or in the case of an emergency, by a majority vote. Matters raised under Public Comments may not be acted upon at that meeting other than as provided above.

Written comments will be accepted by the Board and made part of the record, provided 25 copies are presented to the Clerk of the Board. Electronic submittals to cob@aqmd.gov of 10 pages or less including attachment, in MS WORD, plain or HTML format will also be accepted by the Board and made part of the record if received no later than 5:00 p.m., on the Tuesday prior to the Board meeting.

ACRONYMS

AQIP = Air Quality Investment Program	NESHAPS = National Emission Standards for Hazardous Air Pollutants
AVR = Average Vehicle Ridership	NGV = Natural Gas Vehicle
BACT = Best Available Control Technology	NO _x = Oxides of Nitrogen
Cal/EPA = California Environmental Protection Agency	NSPS = New Source Performance Standards
CARB = California Air Resources Board	NSR = New Source Review
CEMS = Continuous Emissions Monitoring Systems	PAMS = Photochemical Assessment Monitoring Stations
CEC = California Energy Commission	PAR = Proposed Amended Rule
CEQA = California Environmental Quality Act	PHEV = Plug-In Hybrid Electric Vehicle
CE-CERT =College of Engineering-Center for Environmental Research and Technology	PM ₁₀ = Particulate Matter ≤ 10 microns
CNG = Compressed Natural Gas	PM _{2.5} = Particulate Matter ≤ 2.5 microns
CO = Carbon Monoxide	PON = Public Opportunity Notice
CTG = Control Techniques Guideline	PR = Proposed Rule
DOE = Department of Energy	RFP = Request for Proposals
EV = Electric Vehicle	RFQ = Request for Quotations
FY = Fiscal Year	SCAG = Southern California Association of Governments
GHG = Greenhouse Gas	SIP = State Implementation Plan
HRA = Health Risk Assessment	SO _x = Oxides of Sulfur
IAIC = Interagency AQMP Implementation Committee	SOON = Surplus Off-Road Opt-In for NO _x
LEV = Low Emission Vehicle	SULEV = Super Ultra Low Emission Vehicle
LNG = Liquefied Natural Gas	TCM = Transportation Control Measure
MATES = Multiple Air Toxics Exposure Study	ULEV = Ultra Low Emission Vehicle
MOU = Memorandum of Understanding	U.S. EPA = United States Environmental Protection Agency
MSERCs = Mobile Source Emission Reduction Credits	VOC = Volatile Organic Compound
MSRC = Mobile Source (Air Pollution Reduction) Review Committee	VMT = Vehicle Miles Traveled
NATTS =National Air Toxics Trends Station	ZEV = Zero Emission Vehicle

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 1

MINUTES: Governing Board Monthly Meeting

SYNOPSIS: Attached are the Minutes of the July 11, 2014 meeting.

RECOMMENDED ACTION:

Approve Minutes of the July 11, 2014 Board Meeting.

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Sandra McDaniel,
Clerk of the Boards

SM:dg

FRIDAY, JULY 11, 2014

Notice having been duly given, the regular meeting of the South Coast Air Quality Management District Board was held at District Headquarters, 21865 Copley Drive, Diamond Bar, California. Members present:

William A. Burke, Ed.D., Chairman
Speaker of the Assembly Appointee

Mayor Dennis R. Yates, Vice Chairman
Cities of San Bernardino County

Supervisor Michael D. Antonovich (arrived at 9:05 a.m.)
County of Los Angeles

Mayor Pro Tem Ben Benoit
Cities of Riverside County

Supervisor John J. Benoit (arrived at 9:20 a.m.)
County of Riverside

Councilmember Michael A. Cacciotti
Cities of Los Angeles County – Eastern Region

Supervisor Josie Gonzales
County of San Bernardino

Dr. Joseph K. Lyou
Governor's Appointee

Supervisor Shawn Nelson (arrived at 9:10 a.m.)
County of Orange

Dr. Clark E. Parker, Sr.
Senate Rules Committee Appointee

Mayor Miguel A. Pulido (arrived at 9:05 a.m. and left at 10:00 a.m.)
Cities of Orange County

Members absent:

Councilmember Joe Buscaino
City of Los Angeles

Mayor Judith Mitchell
Cities of Los Angeles County – Western Region

CALL TO ORDER: Chairman Burke called the meeting to order at 9:00 a.m.

- Pledge of Allegiance: Led by Chairman Burke.
- Opening Comments

Councilman Cacciotti. 1) Announced that he attended the Mobile Source Air Pollution Reduction Review Committee's Work Program workshop held on July 1, 2014 in Los Angeles, and thanked staff for their participation in the event; 2) asked if staff has been involved in the development process for the CalTrans California Freight Mobility Plan which is expected to be released by July 31; and 3) expressed concern that Mobility 21 is holding their annual summit on September 5, the same day as the next SCAQMD Board meeting, which precludes the attendance of Board Members and staff when air quality and environmental concerns should be included in their discussions. He added that Harley Davidson is introducing electric motorcycles, and requested that staff contact them to assist with the research and development and ultimately demonstration and commercialization of the electric motorcycle.

Dr. Wallerstein responded that staff has been participating in the preparation process for the Freight Plan and has provided input reflective of the Board's direction regarding moving to cost-effective zero and near-zero goods movement methods, and they will present an update to the Mobile Source Committee when the Plan is finalized. Regarding Mobility 21, staff does interact with them and stress the need for transportation efficiency as well as air quality improvements.

Dr. Lyou. Noted that CalTrans is hosting a public workshop for the Draft Freight Mobility Plan on July 22, 2014 at 4:00 pm at their Los Angeles location. He explained that staff has successfully kept CalTrans informed of the District's needs with regard to freight issues. He reported that he, along with Mayor Mitchell and Councilman Buscaino, attended the Future Ports conference in San Pedro on June 23, 2014; and that he found the presentation about big ships and their increased presence in Southern California ports to be particularly interesting.

Mayor Pro Tem Benoit. Commended staff for their efforts in executing the Lawn Mower Exchange Program held on June 14 in Riverside, which was attended by the Mayor of the City of Wildomar, Marsha Swanson, who was impressed with the efficiency of the event and the electric lawn mowers.

Mayor Pulido. Noted that he attended the Intersolar Solar Conference held July 7 through 9 in San Francisco, which highlighted opportunities to use solar to improve air quality and showed how California is a trailblazer for the rest of the country in the solar arena; he expressed excitement for the potential growth that will occur in the region within the next 5 years.

Chairman Burke. Presented Dr. Wallerstein with a certificate in recognition of 25 years of dedicated District service and leadership.

(Supervisor Antonovich and Mayor Pulido arrived at 9:05 a.m. and Supervisor Nelson arrived at 9:10 a.m.)

- Recognition from Chaffey Unified School District to SCAQMD



Don Bertucci, Assistant Superintendent, presented the Board with a plaque in recognition of the SCAQMD's contribution to education and for their financial assistance towards cleaner transportation methods.

(Supervisor Benoit arrived at 9:20 a.m.)

CONSENT CALENDAR

1. Approve Minutes of June 6, 2014 Board Meeting and Minutes of June 13, 2014 Special Board Meeting
2. Set Public Hearings September 5, 2014 to Consider Amendments and/or Adoption to SCAQMD Rules and Regulations
 - (A). Amend Rule 1111 - NOx Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces
 - (B). Amend Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

Budget/Fiscal Impact

3. Recognize Revenue and Appropriate Funds from Clean Fuels, Carl Moyer AB 923 and Proposition 1B-Goods Movement for Administrative Support, Outreach and Education, and Related Activities
4. Recognize Revenue from Participating Members of California Natural Gas Vehicle Partnership and Approve Expenditures for Activities and Projects during FYs 2014-15 and 2015-16 
5. Recognize Revenue, Amend Air Filtration Contract and Execute New Contract to Upgrade and Demonstrate Zero-Emission Heavy-Duty Vehicles 

6. Approve Truck Projects under “Year 4” Proposition 1B-Goods Movement Program
7. Transfer and Appropriate Funding to Establish Air Quality Sensor Performance Evaluation Center
8. Issue RFP to Implement Enhanced Fleet Modernization Program
9. Issue RFPs to Demonstrate Commercial-Grade Electric Lawn and Garden Equipment
10. Issue Program Announcement for Low-Emission Leaf Blower Vendors
11. Recognize Revenue and Appropriate Funds for Enhanced Particulate Monitoring Program, NATTS, PAMS, PM2.5 and Near-Road NO2 Programs; and Solicit Competitive Bids and Issue Purchase Orders for Air Monitoring Equipment
12. Execute Contract for Media, Advertising and Public Outreach for Check Before You Burn Program
13. Issue RFP for Management Firm to Operate SCAQMD's Diamond Bar Headquarters Cafeteria
14. Authorize Purchase of PeopleSoft and Oracle Software Support
15. Authorize Purchase of OnBase Software Support
16. Amend Existing Contract with Carmen Group Incorporated for Legislative Representation in Washington, D.C.
17. Establish List of Prequalified Counsel to Represent and Advise SCAQMD on Legal Matters Related to Environmental Law and Represent and Advise SCAQMD Hearing Board
18. Approve Contract Awards and Modifications Approved by MSRC

Items 19 through 26 - Information Only/Receive and File

19. Legislative & Public Affairs Report
20. Report to Legislature and CARB on SCAQMD's Regulatory Activities for Calendar Year 2013
21. Hearing Board Report
22. Civil Filings and Civil Penalties Report
23. Lead Agency Projects and Environmental Documents Received by SCAQMD
24. Rule and Control Measure Forecast
25. Report of RFPs Scheduled for Release in July
26. Report on Major Projects for Information Management Scheduled to Start During First Six Months of FY 2014-15

Supervisor Benoit and Mayor Pro Tem Benoit noted that they serve on the Board of Directors for the Riverside County Transportation Commission which is involved with the Signal Synchronization Partnership Program under Item No. 18.

Dr. Lyou announced his abstention on Item No. 4 because Gladstein, Neandross & Associates is a potential source of income to him and on Item No. 5 because Transportation Power Inc. is a potential source of income to him. He also abstained on Item No. 8.

Councilman Cacciotti announced his abstention on Item No. 1 because he was not present at the July 13, 2014 special meeting.

Agenda Item No. 11 was withheld for comment.

MOVED BY J. BENOIT, SECONDED BY
B. BENOIT, AGENDA ITEMS 1 THROUGH 10
AND 12 THROUGH 26 APPROVED AS
RECOMMENDED, BY THE FOLLOWING
VOTE:

AYES: Antonovich, B. Benoit, J. Benoit, Burke, Cacciotti (except *Item #1*), Gonzales, Lyou (except *Items #4, 5 & 8*), Nelson, Parker, Pulido and Yates.

NOES: None.

ABSTAIN: Cacciotti (*Item #1 only*) and Lyou (*Items #4, 5 & 8 only*).

ABSENT: Buscaino and Mitchell.

27. Items Deferred from Consent Calendar

11. Recognize Revenue and Appropriate Funds for Enhanced Particulate Monitoring Program, NATTS, PAMS, PM2.5 and Near-Road NO2 Programs; and Solicit Competitive Bids and Issue Purchase Orders for Air Monitoring Equipment

The following individuals addressed the Board on Item No. 11:

Rosie Terry and Robert Terry, People Over Pollution and A Better Community, expressed disappointment that an air quality monitor to measure the effects of the Sentinel Power Plant was not online at the time the plant started operation, and with the lengthy delays in installing a monitor and allowing the public to view the data received from monitoring. They noted disappointment that the mitigation funds that were awarded will not do enough to offset the additional pollution caused by the plant.

Chuck Parker, People Over Pollution, urged the Board to take a more proactive approach to protecting public health; expressed disappointment also with the monitoring; and explained the need for additional monitoring as a result of additional factors affecting the Valley, including the evaporation of the Salton Sea.

Lorraine Salas, People Over Pollution, requested that the public have access to the monitoring data on an hourly basis to have an idea of the potential health risks they are facing; and suggested that schools and homes surrounding the power plant be outfitted with air filters.

Dr. Wallerstein said that staff will address the status of the Sentinel monitor. He also said that in regard to the Salton Sea concerns, the District directs numerous resources to the Salton Sea and the Coachella Valley as a whole, and staff has been involved in discussions with members of the Legislature and Congress as well as the Imperial County Air Pollution Control District about the Salton Sea.

Dr. Laki Tisopoulos, Assistant DEO/Science and Technology Advancement, noted that the air monitoring station had been installed and run through a testing period throughout the month of June, and the initial data is now available online. He added that a more detailed website providing data from the monitor in question and additional monitoring sites will be available in October 2014.

Dr. Jason Low, Atmospheric Measurements Manager, detailed the various air monitoring stations located throughout the Coachella Valley, including H₂S, PM_{2.5} and multiple PM₁₀ monitors, along with PM₁₀ monitors placed by CARB.

Dr. Lyou asked for clarification regarding the ability of the recently installed PM_{2.5} monitor to detect whether or not the Sentinel plant is operating at any given time, in order to determine the impacts specific to operation. He noted that, under Item 7 on the agenda, the Board approved funding for the purchase and testing of low-cost air monitoring sensors, and if they are found to be a dependable means of collecting air quality data, they could be effectively utilized for widespread community-based monitoring.

Dr. Wallerstein responded that staff is beginning to analyze the data from the monitor to determine if the particulate emission levels are effected by the operation of the plant and/or metrological conditions. In regards to the small-scale monitors, additional discussions with the Board will take place regarding potential outreach and programs depending on the outcome of the testing that will be performed.

Chairman Burke commented that it would be ideal, as the technology progresses, for the District to serve as the hub for a network of inexpensive monitors so that data from all across the region could be accessed at any given time.

Supervisor Benoit acknowledged the Coachella Valley residents who spoke to the Board; explained the challenge the SCAQMD faced approving the building and operation of a peaker plant to ensure the area's electric needs could be met when a loss of energy generation from other sources occurs; and noted a number of projects being carried out with mitigation funds throughout the region as a result of an effective outreach effort.

MOVED BY LYOU, SECONDED BY
J. BENOIT, AGENDA ITEM 11 APPROVED,
BY THE FOLLOWING VOTE:


AYES: Antonovich, B. Benoit,

J. Benoit, Burke, Cacciotti,
Gonzales, Lyou, Nelson,
Parker, Pulido and Yates.

NOES: None.

ABSENT: Buscaino and Mitchell.

BOARD CALENDAR

28. Administrative Committee
29. Investment Oversight Committee
30. Legislative Committee
31. Mobile Source Committee
32. Stationary Source Committee
33. Technology Committee
34. Mobile Source Air Pollution Reduction Review Committee
35. California Air Resources Board Monthly Report
36. California Fuel Cell Partnership Executive Board Meeting Notes and Quarterly Updates 

Agenda Items 30 and 32 were withheld for Board discussion.

MOVED BY CACCIOTTI, SECONDED BY
LYOU, AGENDA ITEMS 28, 29, 31 AND 33
THROUGH 36 APPROVED AS
RECOMMENDED, RECEIVING AND FILING
THE COMMITTEE, MSRC AND CARB
REPORTS, BY THE FOLLOWING VOTE:

AYES: Antonovich, B. Benoit, J. Benoit, Burke, Cacciotti, Gonzales, Lyou, Nelson, Parker, Pulido and Yates.

NOES: None.

ABSENT: Buscaino and Mitchell.

30. Legislative Committee

Lisha Smith, DEO/Legislative and Public Affairs, addressed the Board regarding AB 2565, a measure that proposes to require property owners to allow leasees to install electric vehicle charging infrastructure in an assigned parking spot entirely at their own expense, which the Legislative Committee recommended be presented to the full Board. She explained that the main organizations that were opposed to the bill have removed their opposition and staff recommends the District maintain a neutral position the bill.

Dr. Lyou stressed the importance for the opportunity to support the addition of much-needed EV charging infrastructure to multi-family residences in an effort to meet future NOx emission reduction targets.

Supervisor Antonovich raised concerns about the legal ramifications to property owners and building residents if damages, as a result of a charging station's malfunction, extend beyond insurance coverage limits.

Councilman Cacciotti commented that he could see the importance of providing the charging capability for renters, as a large percentage of residences in South Pasadena consist of multi-family units or rental homes; and once some of the concerns regarding litigation are resolved, the Board should support the measure.

Dr. Wallerstein noted that additional discussions should occur regarding the need for adequate infrastructure for EV charging; but it does not appear the District's position will influence the expected passage of the bill.

(Mayor Pulido left at 10:00 a.m.)

Supervisor Gonzales explained that while she understands the potential benefit to more widely available infrastructure, she is concerned with the potential impact to property owners. She suggested that communication be initiated with the League of California Cities to receive their input; as well as connecting with local municipalities to find out any complaints or comments they may have received regarding the lack of accessibility to electrical vehicle charging stations by local residents.

Dr. Parker explained his concerns with the proposal, referencing his extensive experience as a property owner; but, also expressing his understanding of the need to accommodate the changing vehicle technology that is being funded and supported by the District in order to meet emissions reduction guidelines.

Dr. Wallerstein suggested that staff give a presentation at the September 5 Board meeting to highlight the activities that the District participates in, including the plug-in electric vehicle collaborative, along with working with the technology vendors and OEMs, other air districts, CARB, the CEC and the PUC.

MOVED BY LYOU, SECONDED BY CACCIOTTI, AGENDA ITEM 30 APPROVED AS RECOMMENDED RECEIVING AND FILING THE LEGISLATIVE COMMITTEE REPORT, ADOPTING THE POSITIONS ON LEGISLATION AS SET FORTH BELOW, AND DIRECTING STAFF TO REPORT TO THE TECHNOLOGY COMMITTEE REGARDING THE DISTRICT'S ROLE IN DEPLOYING EV CHARGING INFRASTRUCTURE TO ACHIEVE NECESSARY NO_x EMISSION REDUCTIONS, BY THE FOLLOWING VOTE:

AYES: Antonovich, B. Benoit, J. Benoit, Burke, Cacciotti, Gonzales, Lyou, Parker and Yates.

NOES: None.

ABSENT: Buscaino, Mitchell, Nelson and Pulido.

Agenda Item	Recommended Action
Amend Existing Contract with the Carmen Group Incorporated for Legislative Representation in Washington, D.C.	Approve
AB 1720(Bloom) Vehicles: Bus Gross Weight	Support
AB 1857 (Frazier) Department of Transportation: Vehicle and Equipment Procurement	Support

AB 2565 (Muratsuchi) Rental Remain Neutral
Property: Electric Vehicle
Charging Stations

32. Stationary Source Committee

In response to Supervisor Gonzales' inquiry, Dr. Jean Ospital, Health Effects Officer, summarized the research project performed by Loma Linda University regarding Residential Proximity to Goods Movement Rail yards.

MOVED BY GONZALES, SECONDED BY CACCIOTTI, AGENDA ITEM 32 APPROVED AS RECOMMENDED, RECEIVING AND FILING THE STATIONARY SOURCE COMMITTEE REPORT, BY THE FOLLOWING VOTE:

AYES: Antonovich, B. Benoit, J. Benoit, Burke, Cacciotti, Gonzales, Lyou, Nelson, Parker and Yates.

NOES: None.

ABSENT: Buscaino, Mitchell and Pulido.

Staff Presentation/Board Discussion

37. Report on Hexavalent Chromium Monitoring at Cement Manufacturing Facilities, Development of Cement Facility Closure Plan, and Recommendations Regarding Future Rulemaking Efforts

Dr. Philip Fine, Assistant DEO/Planning and Rules, gave the staff presentation.

RECEIVED AND FILED; NO ACTION NECESSARY.

PUBLIC HEARINGS

38. Amend Rule 2449 – Control of Oxides of Nitrogen Emissions from Off-Road Diesel Vehicles

Staff waived the oral presentation on Agenda Item 38.

The public hearing was opened, and there being no requests to speak, the public hearing was closed.

MOVED BY CACCIOTTI, SECONDED BY LYOU
AGENDA ITEM NO. 38 APPROVED AS
RECOMMENDED BY STAFF, ADOPTING
RESOLUTION NO. 14-15 DETERMINING THAT THE
PROPOSED AMENDMENTS TO RULE 2449 ARE
EXEMPT FROM THE REQUIREMENTS OF CEQA
AND AMENDING RULE 2449, BY THE FOLLOWING
VOTE:

AYES: Antonovich, B. Benoit, J. Benoit,
Burke, Cacciotti, Gonzales, Lyou,
Nelson, Parker and Yates.

NOES: None.

ABSENT: Buscaino, Mitchell and Pulido.

39. 2013 Annual Report on AB 2588 Air Toxics Hot Spots Program

Dr. Philip Fine, Assistant DEO/Planning and Rules, gave the staff presentation.

The public hearing was opened, and there being no requests to speak, the public hearing was closed.

Dr. Lyou noted his continued interest in finding a method to better protect the public from toxic air contaminants in the future that does not rely on risk assessments which lack scientific validity.

In response to Councilman Cacciotti's questioning about changes to the OEHHA risk assessments, Dr. Fine explained that OEHHA is changing several factors related to calculating risks of certain chemicals and toxics that are included in health risk assessments. For example, the potency factor used is dependent upon age at exposure and is expected to increase by a factor of three.

Dr. Wallerstein added that staff will continue to keep the Board apprised of the OEHHA changes as the guidelines are finalized towards year-end, and how those changes will impact the District's regulatory program.

RECEIVED AND FILED; NO ACTION NECESSARY.

PUBLIC COMMENT PERIOD – (Public Comment on Non-Agenda Items, Pursuant to Government Code Section 54954.3)

There was no public comment on non-agenda items.

CLOSED SESSION

The Board recessed to closed session at 10:45 a.m., pursuant to Government Code sections 54956.9(a) and 54956.9(d)(1) to confer with its counsel regarding pending litigation which has been initiated formally and to which the District is a party, as follows:

- Exide Technologies, Inc. v. SCAQMD, et al., Los Angeles Superior Court Case No. BS146770 (Writ of Mandate);
- People of the State of California, ex rel SCAQMD v. Exide Technologies, Inc., Los Angeles Superior Court Case No. BC533528;
- In the Matter of SCAQMD v. Exide Technologies, Inc., SCAQMD Hearing Board Case No. 3151-29 (Order for Abatement);
- Exide Technologies, Inc., Petition for Variance, SCAQMD Hearing Board Case No. 3151-31;
- In re: Exide Technologies, Inc., U.S. Bankruptcy Court for the District of Delaware, Case No. 13-11482 (KJC) (Bankruptcy case) and
- SCAQMD v. City of Los Angeles, et al, Los Angeles Superior Court Case No. BS143381 (SCIG).

Following Closed Session, General Counsel Kurt Wiese announced that there were no reportable actions taken in closed session.

ADJOURNMENT

There being no further business, the meeting was adjourned by Kurt Wiese at 11:30 a.m.

The foregoing is a true statement of the proceedings held by the South Coast Air Quality Management District Board on July 11, 2014.

Respectfully Submitted,

Denise Garzaro
Senior Deputy Clerk

Date Minutes Approved: _____

Dr. William A. Burke, Chairman

ACRONYMS

CARB = California Air Resources Board
CEC = California Energy Commission
CNG = Compressed Natural Gas
EV = Electric Vehicle
FY = Fiscal Year
MSRC = Mobile Source (Air Pollution Reduction) Review Committee
NATTS = National Air Toxics Trends Station
NO_x = Oxides of Nitrogen
NO₂ = Nitrogen Dioxide
OEM = Original Equipment Manufacturer
PAR = Proposed Amended Rule
PAMS = Photochemical Assessment Monitoring Stations
PM_{2.5} = Particulate Matter ≤ 2.5 microns
PM₁₀ = Particulate Matter ≤ 10 microns
OEHHA = Office of Health Hazard Assessment
PUC = Public Utilities Commission
RFP = Request for Proposals
RFQ = Request for Quotations

 Back to Agenda

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 2

PROPOSAL: Set Public Hearing October 3, 2014 to Consider Amendments and/or Adoption to SCAQMD Rules and Regulations:

Adopt Proposed Rule 1153.1 – Emissions of Oxides of Nitrogen from Commercial Food Ovens. Staff is proposing a new rule which reduces NOx emissions from food ovens, equipment that is currently subject to Rule 1147. Proposed Rule (PR) 1153.1 has higher NOx emission limits than Rule 1147. Compared with Rule 1147, PR 1153.1 delays NOx emission limit compliance dates for existing (in-use) permitted equipment and includes a carbon monoxide emission limit. PR 1153.1 also establishes test methods and provides alternate compliance options. Other proposed requirements include equipment maintenance and recordkeeping. PR 1153.1 is expected to result in a maximum of 120 pounds per day of NOx emission reductions forgone in 2023. (Reviewed: Stationary Source Committee, March 21 and July 25, 2014)

The complete text of the proposed rule, staff report, and other supporting documents are available from the District's Public Information Center, (909) 396-2550, and on the Internet (www.aqmd.gov) as of September 3, 2014.

RECOMMENDED ACTION:

Set Public Hearing October 3, 2014 to adopt Proposed Rule 1153.1.

Barry R. Wallerstein, D.Env.
Executive Officer

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 3

PROPOSAL: Execute and Amend Contracts for Hydrogen Fueling Infrastructure, Phase II of Hydrogen Network Investment Plan and Low Cost Safety Sensor Demonstration 

SYNOPSIS: On March 7, 2014, the Board awarded three contracts to upgrade and refurbish existing hydrogen fueling infrastructure using funds provided by the CEC. Sufficient funds have become available to fund one additional project as a result of negotiations with awardees. In early 2013 and 2014, the CEC released Notices of Proposed Awards recommending funding for 36 new hydrogen fueling stations, 12 of which are strategically located in Southern California. Additional funds are needed to offset higher than anticipated initial costs to successfully establish these stations. In December 2012, the Board awarded a contract to develop Phase I of the Hydrogen Network Investment Plan (H2NIP), and the cosponsors have requested SCAQMD cofund Phase II. Finally, the SCAQMD has been asked to participate in a demonstration of a low cost hydrogen safety sensor. These actions are to execute and amend contracts for hydrogen fueling infrastructure, Phase II of the H2NIP and a safety sensor demonstration.

COMMITTEE: Technology, July 25, 2014; Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.

RECOMMENDED ACTIONS:

1. Authorize the Chairman to execute a contract with Mebtahi Station Services Inc. (Mebtahi) to upgrade the existing hydrogen fueling infrastructure in Torrance in an amount not to exceed \$589,661 from the Hydrogen Fueling Infrastructure Network Fund (63) using CEC grant revenue for hydrogen station upgrades.
2. Authorize the Chairman to execute contracts with the following entities from the Clean Fuels Fund (31) to cofund CEC station awards:
 - a) First Element Fuel, Inc. for eight new hydrogen fueling stations in an amount not to exceed \$1,000,000;

- b) ITM Power, Inc. for a new renewable hydrogen fueling station in an amount not to exceed \$200,000;
 - c) Ontario CNG Station Inc. for a new renewable hydrogen fueling station in an amount not to exceed \$200,000; and
 - d) Air Products and Chemical, Inc. (APCI) for two new hydrogen fueling station in amount not to exceed \$200,000.
3. Authorize the Chairman to amend contracts with APCI from the Clean Fuels Fund (31):
- a. to cost-share with CARB the operation and maintenance of the Orange County Sanitation District hydrogen fueling station in an amount not to exceed \$75,000; and
 - b. to offset final production, maintenance, repair services and equipment leases as well as closing costs for the Five Cities Hydrogen Program fueling stations in an amount not to exceed \$90,000.
4. Authorize the Chairman to amend contract with Energy Independence Now (EIN) to cost-share Phase II of the H2NIP in an amount not to exceed \$125,000 from the Clean Fuels Fund (31).
5. Authorize the Chairman to execute a contract with Lawrence Livermore National Laboratory, LLC (LLNL) to cofund with DOE the demonstration of a prototype, low cost solid-state electrochemical hydrogen safety sensor(s) in an amount not to exceed \$175,000 from the Clean Fuels Fund (31).

Barry R. Wallerstein, D.Env.
Executive Officer

MMM:LW

Background

The SCAQMD supports the development and deployment of alternative and renewable fuels for advanced transportation technologies including hydrogen fueling infrastructure. It is necessary to ensure a reliable supply of hydrogen fuel, establish fueling stations to ensure consumers can fuel their vehicles safely, and accurately measure the quantity and quality of hydrogen fuel in order to be able to sell the fuel on a commercial basis.

CEC Grant for Hydrogen Station Upgrades

In June 2013, the Board recognized \$6.9 million in revenue from CEC, and, in November 2013, the Board subsequently released RFP #P2014-09 to solicit proposals to upgrade and refurbish existing, publicly accessible hydrogen fueling stations. The intent of the RFP was to upgrade as many stations as possible with the available funds.

In March 2014 the Board awarded three contracts, but sufficient funds have become available to fund one additional project as a result of negotiations with those awardees. Staff proposes to make an award to Mebtahi, one of the remaining highly ranked proposals.

CEC Awards for New Hydrogen Stations

In April 2013 and May 2014, respectively, the CEC released Notices of Proposed Awards for PON-12-606 and PON-13-607 recommending funding for 36 new hydrogen fueling stations, 12 of which are strategically located in the South Coast Air Basin. The proposed locations for these stations will fill significant gaps in the availability of hydrogen in Southern California as part of early market deployment. The stations are in heavily traveled areas close to main corridors and adjacent to key residential areas considered by original equipment manufacturers (OEMs) to be hydrogen technology first-adopters. CEC is providing more than \$18 million towards these stations, and staff proposes cofunding the stations located within our Basin to help offset higher than anticipated initial equipment costs and investment for the production and distribution of hydrogen.

APCI

APCI designed and constructed the renewable hydrogen fueling station at the Orange County Sanitation District. For almost four years the station has provided both 350 and 700 bar 100% renewable hydrogen produced from a molten carbonate fuel cell. The original DOE, CARB and SCAQMD funding for construction and initial maintenance for this strategic and important station has been spent. To continue to meet current and near-term fueling demands for an additional one year, however, CARB has agreed to cofund station maintenance and has requested the SCAQMD also support the station.

The Five Cities Hydrogen Program started in March 2004 and has been one of the most significant demonstrations of hydrogen fueling of vehicles and fleets in the U.S. Because of proprietary technology, APCI has been the provider for the operation, repair and maintenance of the Five Cities stations since program inception. The demonstration program has run its useful life and current equipment configurations at the sites are no longer viable. Staff proposes to close out the Five Cities' stations and maintenance contract.

Phase II of H2NIP

In December 2012, the Board awarded a \$50,000 contract to EIN to cofund development of Phase 1 of a two-phase effort to develop the H2NIP delineating key actions needed to facilitate a successful market launch of hydrogen fuel cell electric vehicles (FCEVs). The H2NIP allowed stakeholders to identify, demonstrate and justify options to optimize incentives for hydrogen fueling stations and establish network level policies to ensure early stations remain open and growth can be sustained. The results concluded that in order to build marketplace confidence, the state needs to provide stronger leadership with a plan that:

1. Demonstrates secure, long-term funding to complete the network build-out;
2. Details how funding will be invested; and
3. Is supported by up-to-date, credible FCEV projections from automakers.

The follow-on Phase II work will focus on helping stakeholders understand and overcome the challenges associated with developing hydrogen fueling infrastructure.

Low Cost Safety Sensor Demonstration

Hydrogen safety sensors will be crucial for facilitating the development of a hydrogen economy. Three DOE workshops were held to review hydrogen safety sensor requirements, and performance targets have been determined for a variety of applications, with a focus on hydrogen refueling infrastructure and on-board fuel cell vehicles. From these workshops it has become apparent that there are limited commercially available hydrogen sensors that meet sensitivity, durability, reliability and operational (environment) requirements at a low enough cost for wide-scale deployment. LLNL, in conjunction with Los Alamos National Laboratory (LANL), has developed a novel, miniature, solid-state electrochemical sensor with potential to meet these requirements.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ has been e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>).

Bid Evaluation

The bids for RFP #P2014-09 were reviewed by a diverse panel in accordance with criteria contained in the RFP. The panel was composed of two SCAQMD Program Supervisors as well as two CARB and three CEC representatives. The panel breakdown was as follows: six Caucasian, one Hispanic; one female, six male.

Proposal

CEC Grant for Hydrogen Station Upgrades

Using CARB funding, Mebtahi was the first branded, independently owned, full retail gasoline station with a hydrogen dispensing station. They have dispensed hydrogen to the "retail" public for four years, keeping the station in the forefront of hydrogen fueling

technology and serving as a test case for equipment that can successfully provide fuel to new FCEVs. The station is operational but requires a new dispenser that is certified for selling hydrogen fuel on a retail basis using credit cards and providing paper receipts as well as a canopy over the hydrogen dispenser. Although Mebtahi ranked fifth in overall scoring out of eight proposals, they were not given an award due to lack of funds. Based on recent staff negotiations to reduce the scope and cost of previous awards, this action is to award a contract to Mebtahi for installation of a new dispenser and canopy.

CEC Awards for New Hydrogen Stations

The proposed hydrogen fueling stations will be new, publicly accessible, next generation (35 MPa and 70 MPa) hydrogen fueling stations located throughout Southern California, in the cities of Los Angeles, South Pasadena, Long Beach, Costa, La Canada Flintridge, Laguna Niguel, Lake Forest, Riverside, Ontario, Mission Viejo and Woodland Hills. Many of the stations will utilize improved delivery technologies to reduce the cost of transporting hydrogen. The station concepts are simple, modular and designed to easily expand to full-size station capacities. The modular design incorporates a minimized station footprint to utilize existing retail gasoline forecourt locations and can be readily duplicated at a majority of existing gasoline retail stations in a number of markets for the broadest deployment. Additional funds are needed to offset higher than anticipated initial costs to successfully establish these stations and extend reporting for three years. Furthermore, due to the requirements of SB 1505, four of the new hydrogen stations will be made from renewable resources and designed for dispensing on a regular daily schedule. This action is to execute contracts with the entities in the table above to assist in the construction of new, publicly accessible, next generation hydrogen fueling stations using either renewable or delivered hydrogen.

APCI

This action is to amend a contract with APCI to continue operation and maintenance for another one year of Orange County Sanitation District's renewable hydrogen fueling station. As mentioned, CARB is cofunding the maintenance and has requested SCAQMD's assistance. This will provide time for more robust fueling infrastructure to be developed.

This action is also to amend a contract with APCI to complete and close out the Five Cities Hydrogen Program station maintenance contracts. Any maintenance, repairs and costs associated with the two electrolyzers and two mobile fueler stations will be paid and the station equipment dismantled and the stations closed.

Phase II of H2NIP

This action is to amend a contract with EIN to refine the H2NIP, in conjunction with the California Fuel Cell Partnership (CaFCP) and other cost-share partners, and build participation and investment in hydrogen infrastructure. Phase II will achieve the following objectives:

1. Develop recommendations and build support for policy and incentive improvements for hydrogen infrastructure and renewable hydrogen development. This will include improving the availability of and access to environmental credits and renewable hydrogen incentives by assessing alternative hydrogen revenue streams for stations.
2. Propose infrastructure financing structures by developing new approaches and structures for private sector financing of hydrogen infrastructure, in anticipation of when grant funds are limited, and to work with financial and academic partners (Treasury, SCAQMD, NREL, UCD and UCI, among others) and station developers to develop options, priorities and a plan to introduce government-backed debt, leveraging the experience of state programs and other financial structures.
3. Develop pathway for market assurance grants or similar implementation, and with CEC, U.S. Treasury and SCAQMD collaboration, further develop a potential structure for ongoing, network operations support during the market growth stage, possibly using sales-tax exemptions.

Low Cost Safety Sensor Demonstration

LLNL, in conjunction with LANL, has developed a novel, miniature, solid-state electrochemical sensor that prevails over other commercially available hydrogen sensors at a potential lower cost. It can measure very low concentrations of hydrogen, has very low response to potential interferences such as CO₂, CO, CH₄, and NH₃; is immune to humidity and barometric pressure changes and has a fast response time. The prototype sensor has been validated in independent testing at the National Renewable Energy Laboratory's Hydrogen Sensor Test Facility over the past two years. LLNL is nearing completion of an advanced prototype sensor and electronics package, which will be ready for field testing in the near future. This action is to execute a contract with LLNL, which along with LANL and DOE, has requested the SCAQMD's support to demonstrate the prototype solid-state electrochemical hydrogen safety sensor at two hydrogen refueling stations and acquire performance data over a planned a six-month demonstration period. The DOE will cost-share the demonstration project.

Benefits to SCAQMD

The SCAQMD supports hydrogen infrastructure and fuel cell technologies and recognizes that light-, medium- and heavy-duty vehicles must achieve zero or near-zero emissions if the region hopes to meet state and federal air quality attainment standards. These projects will help ensure that sufficient hydrogen infrastructure is available to support the impending OEM roll out of fuel cell vehicles over the next few years and are included in the *2014 Clean Fuels Program Plan Update* under "Develop and Demonstrate Distributed Hydrogen Production and Fueling Stations." SCAQMD's Clean Fuels Program has been active in funding the development and demonstration of low-emission, hydrogen fuel technologies. Hydrogen vehicles and refueling stations are necessary to comply with CARB's ZEV regulation to reduce criteria pollutant emissions and development of an extensive hydrogen fueling

network in Southern California will accelerate the deployment of these cleaner vehicles.

Sole Source Justification

CEC Awards for New Hydrogen Stations

Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. For the new hydrogen fueling station projects, the request for a sole source award is made under provision B.2.d.: Other circumstances exist which in the determination of the Executive Officer require such waiver in the best interest of the SCAQMD. Specifically, these circumstances are: B.2.d.(1) Project involving cost sharing by multiple sponsors. Significant project funding will be provided by the CEC, First Element Fuel, ITM Power, Ontario CNG and APCI, including in-kind funding to perform the tasks of design, construction, operation and outreach required for completing the hydrogen fueling stations. Furthermore, these stations fill a critical gap within the region for hydrogen fueling and promote utilization of the cleanest passenger vehicles.

APCI

Section VIII.B.2 of the Procurement Policy and Procedures identifies four major provisions under which a sole source award may be justified. The APCI proposed project request for sole source award is made under B.2.c (1): The unique experience and capabilities of the proposed contractor or contractor team. APCI has extensive and unique experience as well as proprietary knowledge in constructing and/or operating the Five Cities Hydrogen Program fueling stations and Orange County Sanitation District's hydrogen fueling station.

Phase II of H2NIP

Section VIII.B.2 of the Procurement Policy and Procedures identifies four major provisions under which a sole source award may be justified. The EIN proposed project request for sole source award is made under B.2.c (1): The unique experience and capabilities of the proposed contractor or contractor team, and B.2.d (1): Projects including cost-sharing by multiple sponsors. The proposed contractor has had a leadership role in working on these challenges and their experience over the past decade includes conducting the Phase I study, coordinating multi-stakeholder input to develop the consensus-based Hydrogen Station Cash Flow Analysis that was used as a key foundation to the CaFCP Roadmap, as well as facilitating key components of the California Hydrogen Highway Blueprint Plan.

Safety Sensor Demonstration

Section VIII.B.2 of the Procurement Policy and Procedures identifies four major provisions under which a sole source award may be justified. The LLNL proposed project request for sole source award is made under B.2.c (1), the unique experience and capabilities of the proposed contractor or contractor team; and B.2.d (1): Projects including cost-sharing by multiple sponsors. LLNL has extensive and unique

experience as well as proprietary knowledge in constructing and/or operating the electrochemical hydrogen sensor and will be providing at least 50 percent cost-share for the demonstration.

Resource Impacts

CEC Grant for Hydrogen Station Upgrades

Of the CEC’s \$6,690,828 grant, which dedicated \$6,446,511 for project funding and \$244,317 for administrative costs, more than \$1 million remains available for project funding. The contract with Mebtahi shall not exceed \$589,661 using this CEC revenue recognized into the Hydrogen Fueling Infrastructure Network Fund (63). Staff may return to the Board for additional awards to utilize all the CEC funding.

CEC Awards for New Hydrogen Stations

The SCAQMD’s cost-share to support the new hydrogen stations shall not exceed \$1,600,000 from the Clean Fuels Fund (31), comprising the following: 1) a contract with First Element Fuel, Inc. in an amount not to exceed \$1,000,000; 2) a contract with ITM Power, Inc. in an amount not to exceed \$200,000; 3) a contract with Ontario CNG Station Inc. in an amount not to exceed \$200,000; and 4) a contract with APCI in an amount not to exceed \$200,000. The table below lists the contractors, station locations, station type, CEC funding amount and requested SCAQMD funding:

Contractor	Station Location	Type	CEC Award (\$)	Requested SCAQMD (\$)
First Element Fuel	South Pasadena	Delivered	1,451,000	100,000
First Element Fuel	Los Angeles	Renewable	1,451,000	200,000
First Element Fuel	Los Angeles	Renewable	1,451,000	200,000
First Element Fuel	Long Beach	Delivered	1,451,000	100,000
First Element Fuel	Costa Mesa	Delivered	1,451,000	100,000
First Element Fuel	La Canada Flintridge	Delivered	1,451,000	100,000
First Element Fuel	Laguna Niguel	Delivered	1,451,000	100,000
First Element Fuel	Lake Forest	Delivered	1,451,000	100,000
ITM Power	Riverside	Renewable	2,125,000	200,000
Ontario CNG	Ontario	Renewable	2,125,000	200,000
Air Products	Mission Viejo	Delivered	1,499,586	100,000
Air Products	Woodland Hills	Delivered	1,499,586	100,000
Total Funding			\$18,857,172	\$1,600,000

APCI

The SCAQMD’s cost-share for the APCI contract amendment to provide one additional year of maintenance for the Orange County Sanitation District’s hydrogen fueling station shall not exceed \$75,000 from the Clean Fuels Fund (31). Total project costs for this amendment is \$275,000, consisting of the SCAQMD’s requested \$75,000 and \$200,000 from CARB through a direct contract with APCI. Additionally, the contract

amendment with APCI for the Five Cities Hydrogen Program fueling stations shall not exceed \$90,000 from the Clean Fuels Fund (31).

Phase II of the H2NIP

The total cost of Phase II of the H2NIP project with EIN is \$233,000, with SCAQMD's cost-share not to exceed \$125,000 from the Clean Fuels Fund (31). The table below lists project partner funding for Phase II:

Partners	Funding	Cost-Share
Emmett Foundation	\$20,000	9%
Sabin Foundation	\$15,000	6%
Patagonia	\$8,000	3%
Toyota	\$25,000	11%
Other Foundations	\$40,000	17%
SCAQMD (<i>requested</i>)	\$125,000	54%
Total	\$233,000	100%

Safety Sensor Demonstration

The total project cost for the safety sensor demonstration is \$350,000, with the DOE providing \$175,000 and the SCAQMD providing an equal cost-share not to exceed \$175,000 from the Clean Fuels Fund (31).

Sufficient funds are available in the Clean Fuels Fund (31) for the proposed projects. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11, establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 5

PROPOSAL: Recognize Revenue and Execute and Amend Contracts to Construct Natural Gas Fueling Stations

SYNOPSIS: The SCAQMD previously recognized \$2.6 million from CEC to fund new or upgrade existing natural gas stations throughout the Basin. An amendment of the CEC grant is needed to replace two CNG station upgrades with one new LNG station installation and change the funding source for one CNG station upgrade. Additionally, in September 2013 U.S. DOE revenue was recognized into the Science & Technology Advancement's FY 2013-14 Budget to fund a UPS project, but the revenue should have been recognized into the Clean Fuels Fund (31). These actions are to approve the replacement project to be funded by the CEC grant from the Clean Fuels Fund (31), substitute the funding source for one CNG station upgrade to the Clean Fuels Fund (31), recognize U.S. DOE revenue into the Clean Fuels Fund (31), and execute a contract with UPS for an LNG station refurbishment from the Clean Fuels Fund (31).

COMMITTEE: Technology, July 25, 2014; Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.

RECOMMENDED ACTIONS:

1. Authorize the Chairman to amend the following:
 - a. A contract with Clean Energy to construct an LNG station in the City of Perris in an amount not to exceed \$400,000 from the Clean Fuels Fund (31), using de-obligated funds from two unrelated projects; and
 - b. A contract with the City of West Covina for one CNG station upgrade substituting the funding source from CEC revenue to the Clean Fuels Fund (31).
2. Recognize, upon receipt, \$150,000 from the U.S. DOE into the Clean Fuels Fund (31).

3. Authorize the Chairman to execute a contract with UPS from the Clean Fuels Fund (31) using the \$150,000 of U.S. DOE funds.

Barry R. Wallerstein, D.Env.
Executive Officer

MMM:HH:DRS:DC:PMB:DAH

Background

Alternative fuel vehicles play an important role in Southern California's efforts to meet the federal standards for fine particulate and ozone, and the SCAQMD has a long history in supporting the development and commercialization of alternative fuel vehicles. The SCAQMD recognizes the importance of establishing and maintaining a large network of alternative fuel fueling stations to support this vehicle deployment. Continued expansion and support of this network is critical to ensure the success of alternative fuel vehicles in the region.

\$2.6 Million CEC Grant (ARV-10-054)

In September 2010, the Board recognized \$2.9 million in revenue into the Clean Fuels Fund (31) from CEC through the AB 118 Alternative and Renewable Fuel and Vehicle Technology Program. Of this \$2.9 million, \$2.6 million was for CEC Grant #ARV-10-054 to construct new or to upgrade existing natural gas stations throughout the South Coast Air Basin. In October 2011, using the \$2.6 million CEC grant revenue, the Board made 6 awards for 11 CNG/LNG fueling station projects to either upgrade existing stations or construct new stations.

In November 2012, the Board awarded \$200,000 of the CEC grant revenue to the City of West Covina to upgrade their existing CNG station. However, the City of West Covina cannot complete their station upgrade to meet the timeline required by the CEC grant. Therefore, the \$200,000 grant funds will be de-obligated from the City's contract.

In May 2012, \$200,000 from the CEC grant revenue was awarded by the Board to the Rim of the World Unified School District to upgrade an existing CNG refueling station. For financial reasons, Rim of the World has decided not to move ahead with the station upgrade. Therefore, this contract will be terminated.

\$150,000 UPS Grant (DE-EE0002545)

In September 2013, the Board recognized and appropriated revenue in the amount of \$150,000 from the U.S. DOE into the Science & Technology Advancement's FY 2013-14 Budget. The U.S. DOE revenue is to upgrade UPS's existing LNG fueling station in Ontario. This project will also be co-funded by CEC grant revenue from SCAQMD in the amount of \$300,000.

Proposal

\$2.6 Million CEC Grant (ARV-10-054)

Staff has been working closely with CEC to identify a viable replacement project in order to fully utilize the funds previously allocated to the Rim of the World and the City of West Covina projects. The replacement project identified is a new LNG station in the City of Perris to be constructed, owned and operated by Clean Energy. This project will be located at an existing Arco Truck stop facility adjacent to the I-215 freeway, a north-south goods movement corridor with significant heavy-duty vehicle activity. Clean Energy projects LNG demand at this location will exceed 2 million diesel gallon equivalents over the next five years. Clean Energy was previously awarded a contract to construct two LNG stations in Fontana and Coachella. This action is to amend the existing contract (No. 12851) with Clean Energy by adding \$400,000 to the contract amount to construct the LNG station in the City of Perris. The CEC has given its approval to proceed with the City of Perris LNG station project.

Clean Fuels Funds

As described above, the City of West Covina's upgrade of its limited access CNG station is a critical project needed in order to meet the demands of the City's fleet of natural gas vehicles as well as provide added CNG refueling near to the I-10 freeway. But, the City is unable to meet the deadlines of the CEC grant. This project is co-funded with \$300,000 from the MSRC. To prevent losing the MSRC co-funding and to ensure the completion of the project, this action is to amend the contract (No. 14219) with the City of West Covina to substitute the \$200,000 of CEC grant revenue with an equal amount of funding from the Clean Fuels Fund (31). The upgraded station will double both its CNG compression capability and storage capacity and include one public access fast-fill dispenser with card reader and two slow-fill fueling posts.

\$150,000 UPS Grant (DE-EE0002545)

The natural gas station located at UPS's Ontario property is an LCNG station with public access to both fuel types as well as a separate private access CNG station to enable UPS to fuel their expanded fleet of heavy-duty natural gas powered vehicles. This project is a refurbishment and upgrade to the existing station and will serve to continue and expand the natural gas refueling infrastructure in a critical corridor. The station is adjacent to the SR 60 and SR 91 freeways and south of the Ontario International Airport. This action is to recognize the \$150,000 of U.S. DOE revenue into the Clean Fuels Fund (31) and to execute a contract with UPS for an LCNG station refurbishment and upgrade at UPS's existing LCNG fueling station in Ontario. The contract will also be funded by \$300,000 of previously recognized CEC funds.

Benefits to SCAQMD

The AQMP relies on the expedited implementation of low-emission technologies and the implementation of these natural gas infrastructure projects will help the SCAQMD to achieve its clean air goals. Furthermore, these stations fill critical gaps in the region for CNG and LNG and promote the utilization of the cleanest available fleet and

passenger vehicles. The proposed projects are included in the *Technology Advancement Office 2014 Plan Update* under “Infrastructure and Deployment.”

Sole Source Justification

The proposed projects were selected by CEC and/or U.S. DOE as qualifying projects under their competitive solicitations. Section VIII.B.2 of the Procurement Policy and Procedures identifies four major provisions under which a sole source award may be justified. This request for a sole source award is made under B.2.c (1): The unique experience and capabilities of the proposed contractor or contractor team, and B.2.d (1): Projects including cost sharing by multiple sponsors. The CEC has given its approval to proceed with the City of Perris LNG station project. In addition, the MSRC is cost sharing the City of West Covina station upgrade. Lastly, the CEC and U.S. DOE are major sponsors of the UPS Ontario station upgrade. Furthermore, Section VIII.B.3 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified when contracts are funded in whole or in part with federal funds. The UPS proposed project qualifies as a sole source award under B.3.a: this item is available only from a single source. Specifically, UPS owns both the site and the existing equipment and has extensive experience with both LNG and CNG fueling stations.

Resource Impacts

The amendment to the Clean Energy contract shall not exceed \$400,000 and will be fully funded using CEC revenue previously recognized into the Clean Fuels Fund (31). The City of West Covina amendment shall not exceed \$200,000 from the Clean Fuels Fund (31). The contract with UPS for its Ontario LCNG refurbishment and upgrade shall not exceed \$450,000 (comprised of the \$150,000 from U.S. DOE and \$300,000 from CEC) from the Clean Fuels Fund (31). The table below lists the proposed projects, funding sources and total project costs.

Table 1: Requested Project Awards

Project	CEC	DOE	MSRC	CF	\$ Project*
Clean Energy Perris New LNG Station	\$400,000	-	-	-	\$1,287,323
City of West Covina CNG Upgrade	-	-	\$300,000	\$200,000	\$619,429
UPS Ontario LCNG Refurbish/Upgrade	\$300,000	\$150,000	-	-	\$484,000
Total	\$700,000	\$150,000	\$300,000	\$200,000	\$2,390,752

*Estimated project costs include funding contributed by each proposed awardee (i.e. Clean Energy, City of West Covina, and UPS)

The Clean Fuels Program Fund (31) was established as a special revenue fund resulting from the state-mandated Clean Fuels Program. The Clean Fuels Program, under Health and Safety Code Sections 40448.5 and 40512 and Vehicle Code Section 9250.11,

establishes mechanisms to collect revenues from mobile sources to support projects to increase the utilization of clean fuels, including the development of the necessary advanced enabling technologies. Funds collected from motor vehicles are restricted, by statute, to be used for projects and program activities related to mobile sources that support the objectives of the Clean Fuels Program.

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 7

PROPOSAL: Issue Program Announcements for Electric Lawn Mower Vendors, Licensed Scrappers and Support Service Providers 

SYNOPSIS: Staff proposes to extend the successful Lawn Mower Exchange Program by offering similar incentives in spring 2015 to generate cost-effective emission reductions. This action is to issue Program Announcements to solicit competitive bids from manufacturers of cordless electric lawn mowers in sufficient quantities and at the lowest possible price for the 2015 program as well as from licensed scrappers and support service providers to physically handle mowers at lawn mower exchange events.

COMMITTEE: Mobile Source, July 25, 2014, Recommended for Approval

RECOMMENDED ACTION:

Approve issuance of the following Program Announcements for the Lawn Mower Exchange Program:

- 1) #PA2015-04 for production of up to 4,000 electric lawn mowers;
- 2) #PA2015-03 for scrapping old gasoline-powered lawn mowers; and
- 3) #PA2015-02 for support service providers at exchange events.

Barry R. Wallerstein, D. Env
Executive Officer

CSL:MMM:FM:SS

Background

As part of Rule 2202 On-Road Motor Vehicle Mitigation Options, affected employers may elect to participate by funding the Air Quality Investment Program (AQIP) which is an SCAQMD-administered restricted fund. Investment can be either \$45 annually per employee reporting to the worksite during the 6:00 a.m. to 10:00 a.m. peak window, or \$125 triennially per employee. The restricted monies are used by the SCAQMD to fund proposals that achieve mobile source emission reductions that would otherwise have been achieved by implementing a rideshare program.

Upon registering under this option and submitting the designated investment amount, an employer is considered to be in compliance with Rule 2202, and there is no need for the employer to take further action to reduce mobile source emissions. The collected monies are used to fund alternative mobile source emission reduction strategies that reduce mobile source emissions at a more cost-effective rate which could potentially result in greater overall emission reductions.

The 2014-15 Carl Moyer Program (Year 17) provides a subsidy of \$145 for every gasoline-powered lawn mower exchanged for a cordless zero emission electric lawn mower. The program also allows five percent of the amount used for subsidies to be allocated towards administration costs. If sufficient funds are not available for administrative expenses from the Carl Moyer Program, funds from the Rule 2202 AQIP Special Revenue Fund can be used.

Proposals

Over the last 12 years, SCAQMD has conducted 87 lawn mower exchange events where over 53,000 operable gasoline-powered lawn mowers were exchanged for zero emission cordless electric lawn mowers. The program, funded by the Rule 2202 AQIP, has helped mitigate a significant amount of emissions. Individuals exchanging their lawn mowers pay a substantially discounted price. This action is to release three program announcements to conduct additional events in spring 2015.

Program Announcement #PA2015-04 is to solicit competitive proposals from qualified manufacturers/suppliers for the production and supply of cordless electric lawn mowers to be used in the Lawn Mower Exchange Program in the South Coast Air Basin. Participants will be offered a specific discount and an option to choose from different manufacturers/models. The goal of this solicitation is to identify potential manufacturers/suppliers and products for SCAQMD's Lawn Mower Exchange Program at the lowest possible price. Proposals from Original Equipment Manufacturers/suppliers are to include, but not be limited to, the following:

- Detailed product specification
- Availability
- Supply commitment
- Manufacturer's Suggested Retail Price (MSRP)
- Price offered to SCAQMD:
Each manufacturer must provide their best price for each model they plan to offer. Although the SCAQMD plans to exchange up to a total of 4,000 mowers, there is no way to predict how many of each make or model will be sold.
- Lead time

- Details of assistance to be provided for the lawn mower exchange event advertisement outreach
- Details on exchange-event staffing to be provided by the company:
At minimum, each company is expected to provide adequate staff to operate its own cashier stations and product loading lines. In addition, each company must staff a small display area at each event where undecided customers can see and discuss the product.
- Product warranty information to be provided to consumer

Program Announcement #PA2015-03 is to solicit competitive bids from licensed scrappers to provide roll-off bins and the required staff to collect lawn mowers, drain fuel from the gas mowers, and haul the fuel and the mowers for scrapping to a licensed scrapping yard, all in a safe manner and in compliance with all applicable federal, state and local laws.

Under Program Announcement #PA2015-02, competitive bids are also being sought from vendors to provide traffic control and provide manpower to unload gasoline mowers from participant vehicles at the Lawn Mower Exchange Program events.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may be notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ will be e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>) where it can be viewed by making the selection "Grants & Bids."

Bid Evaluation

SCAQMD staff will evaluate the proposals based on product specifications, availability, production capacity and the lead time, price of the product and the exchange event assistance capabilities of the contractor.

Resource Impacts

The amount of funding necessary will be determined after the selection of contractors is made from the submitted proposals. The mower subsidy and a portion of the administration costs will be funded by the Carl Moyer Program (Fund 80). Any

outreach and program administration costs not covered by the Carl Moyer Program will be funded by Rule 2202 AQIP Special Revenue Fund (27).

Attachments

Program Announcement #PA2015-04 - Lawn Mower Exchange Program

Program Announcement #PA2015-03 - Licensed Scrappers/Recyclers

Program Announcement #PA2015-02 -Support Service Providers

Announcing the
South Coast Air Quality Management District's

Lawn Mower Exchange Program

Program Announcement

#PA2015-04

September 5, 2014

DATE: September 5, 2014
TO: All Interested Parties
FROM: Barry Wallerstein, Executive Officer, SCAQMD
SUBJECT: SCAQMD Lawn Mower Exchange Program Announcement

The South Coast Air Quality Management District (SCAQMD) is pleased to announce a funding opportunity for implementation of the Lawn Mower Exchange Program in the spring of 2015. This program is designed to identify potential manufacturers/suppliers of cordless electric lawn mowers to be used in the lawn mower exchange program in the South Coast Air Basin. Contracts may be awarded to multiple manufacturers/suppliers. All interested parties are encouraged to apply. The required product specifications are listed in Section D.

The SCAQMD staff is available to assist applicants during the preparation of their applications for this program. Points of contact for administrative and technical assistance are included in the attached Program Announcement in Section F.

Should you have any questions regarding this Program Announcement, please contact Mr. Shashi Singeetham, Air Quality Specialist, at (909) 396-3298. The Announcement and Application documents can also be accessed via the Internet by visiting SCAQMD's website at www.aqmd.gov.

Our main objective is to reduce exposure to harmful emissions from the use of gasoline powered lawn mowers in the South Coast Air Basin and we look forward to receiving your application.

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A. *LAWN MOWER EXCHANGE PROGRAM OVERVIEW*

The purpose of this Program Announcement is to solicit competitive proposals from qualified contractors for the production and supply of cordless electric lawn mowers to be used in the lawn mower exchange program in the South Coast Air Basin. The goal of this proposal is to identify potential manufacturers/suppliers and products for SCAQMD's lawn mower exchange program at the lowest possible price. Contracts may be awarded to multiple manufacturers/suppliers.

The successful bidders should be knowledgeable and experienced in the manufacture, and commercial distribution of reliable cordless electric lawn mowers. They should have a network of customer service and distribution centers.

Total SCAQMD funding to be allocated would depend upon the availability of funds and the amount of buy down per unit offered by the manufacturer at the time of the lawn mower exchange events.

B. *PROGRAM SCHEDULE*

The implementation schedule of this program is illustrated below

September 5, 2014	Issue the Program Announcement & Application #PA2015-04
October 16, 2014	Applications due no later than 9:00 AM
November 21, 2014	Proposals approved by Mobile Source Committee
December 5, 2014	Proposals approved by Board
January 16, 2015	Contract Execution
December 31, 2015	Completion of Program

C. APPLICATION SUBMITTAL

The applicant shall submit **four copies** of the application and the project proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the applicant and the words “Program Application #PA2014-04. **All applications for the Lawn Mower Exchange Program are due no later than 9:00 a.m., October 16, 2014.**

Procurement Unit
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA. 91765

The written proposals must be received by SCAQMD by the specified date and time regardless of when they may be postmarked for delivery. E-mail and faxed copies will not be accepted.

D. PARTICIPATION GUIDELINES, REQUIREMENTS, & CONDITIONS

Amounts of Funding

The amount of SCAQMD funding will be determined at a later date prior to the scheduling of lawn mower exchange events

Proposal Requirements

The South Coast Air Quality Management District (SCAQMD) is pleased to announce a funding opportunity for implementation of the Lawn mower Exchange Program in the spring of 2015. SCAQMD intends to provide the participants the opportunity of selecting from a choice of makes and models of cordless electric mowers including different cutting widths. Participants in the Program will have to pre-register either online or by phone and select the make/model of the cordless electric lawn mower they intend to purchase. SCAQMD will provide the pre-registered participants a fixed incentive amount towards the purchase of a model of their choice by paying the required cost differential. Bidders to this Program Announcement should provide the following specification details for each of the models they are proposing and must have the capability to produce and supply up to a total of 4,000 cordless electric lawn mowers by April 18, 2015. If additional funds become available larger quantities may be needed.

<i>Specifications</i>	
Cordless/Rechargeable	Yes/No
Clipping Bag Included	Yes/No
Cutting width	
Ease of Assembly	

Height adjustability (Range)	
Mulching Capability	Yes/No
If yes, is it included in the price?	Yes/No
Self-propelled?	Yes/No
List of Service locations local to SCAQMD	
Battery:	
Charging Time (From zero charge)	
Lift-out Replaceable Battery	Yes/No
Mowing Time per charge	
Battery - Voltage	
Battery – Amp Hour Capacity	
Warranty:	
Warranty Exchange	
Warranty period for the mower	
Warranty period for the battery	
Weight (Including Battery)	
Toll-free service number	
Cost and Promotional Information	
Manufacturer’s Suggested Retail Price (MSRP)	
Cost to AQMD (Quantities of up to 4,000)	
Advertising/Promotional Assistance (\$\$)	
Promotional mowers provided	Yes/No; How many?
Event Staffing	Yes/No

During the lawn mower exchange program, the SCAQMD intends to offer these lawn mowers to the consumers at a subsidized price in exchange for their old operable gasoline powered lawn mowers. Proposals from Manufacturers /suppliers should include but not be limited to the following information for production quantities of up to 4,000 units. As the participants are given the choice of make/model the actual numbers of different mowers would not be known until after the registration process is completed.

- Detailed product specification
- Availability
- Supply commitment
- Lead time
- Details of assistance to be provided for the lawn mower exchange event advertisement outreach.
- Details on exchange-event staffing to be provided by the company.
At a minimum, each company is expected to provide adequate staff to operate its own cashier stations and product loading lines. In addition, each company must staff a small display area at each event where undecided customers can see and discuss the product.
- Product warranty information to be provided to consumer.
- Service Centers: Minimum of 5 locations required with at least one center located in each of the four counties served by SCAQMD.

- Price offered to SCAQMD:
Each manufacturer must provide their best price for each model they plan to offer. Although the AQMD plans to exchange up to a total of 4,000 mowers, there is no way to predict how many of each make or model will be sold. The following table provides guidance for the maximum allowable price per each category.

	Non Self Propelled	Self Propelled
Maximum cost to SCAQMD	\$325	\$395

In the selection process preference may be given to models with the best specifications and or cost-effectiveness.

Company Contact

Proposers shall provide the company's contact person's name, address, phone numbers and the e-mail address.

E. PROJECT IMPLEMENTATION

Project Selection

Contractor(s) will be selected based on, but not limited to, the following criteria:

- Product specifications
- Price of the units
- Lead times

Project Completion Deadlines

Product shall be available no later than April 18, 2015

F. IF YOU NEED HELP

This Program Announcement and Application can be obtained by accessing the SCAQMD web site at www.aqmd.gov. SCAQMD staff members are available to answer questions during the application acceptance period. In order to help expedite assistance, please direct your inquiries to the applicable staff person, as follows:

- For **General, Administrative, or Technical Assistance**, please contact:

Shashi Singeetham
Air Quality Specialist
Phone: 909-396-3298
Fax: 909-396-3608

ATTACHMENT A

CERTIFICATIONS AND REPRESENTATIONS



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear SCAQMD Contractor/Supplier:

The South Coast Air Quality Management District (SCAQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, complete the enclosed W-9 form, remember to sign both documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Michael B. O'Kelly
Chief Financial Officer

DH:tm

Enclosures: Business Information Request
Disadvantaged Business Certification
W-9
Form 590 Withholding Exemption Certificate
Federal Contract Debarment Certification
Campaign Contributions Disclosure
Direct Deposit Authorization



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

**Attention: Accounts Payable, Accounting Department
 South Coast Air Quality Management District
 21865 Copley Drive
 Diamond Bar, CA 91765-4178**

DISADVANTAGED BUSINESS CERTIFICATION

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to the SCAQMD, _____(name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, **as applicable**, in accordance with SCAQMD Procurement Policy and Procedure:

Check all that apply:

- | | |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise |
| <input type="checkbox"/> Local business | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise | |

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

_____	_____
NAME	TITLE
_____	_____
TELEPHONE NUMBER	DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of the SCAQMD at the time of bid application.
- performs 90 percent of the work within SCAQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

"Minority" person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

Request for Taxpayer Identification Number and Certification

Give Form to the
 requester. Do not
 send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
	<input type="checkbox"/> Exempt payee	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code		
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number									

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number									

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,
- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a “saving clause.” Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called “backup withholding.” Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Partnership, C Corporation, or S Corporation. Enter the entity’s name on the “Name” line and any business, trade, or “doing business as (DBA) name” on the “Business name/disregarded entity name” line.

Disregarded entity. Enter the owner’s name on the “Name” line. The name of the entity entered on the “Name” line should never be a disregarded entity. The name on the “Name” line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner’s name is required to be provided on the “Name” line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on the “Business name/disregarded entity name” line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the “Name” line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the “Name” line is an LLC, check the “Limited liability company” box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter “P” for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter “C” for C corporation or “S” for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the “Name” line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the “Name” line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the "Business name/disregarded entity name," sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
2. The United States or any of its agencies or instrumentalities,
3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,
7. A foreign central bank of issue,
8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
9. A futures commission merchant registered with the Commodity Futures Trading Commission,
10. A real estate investment trust,
11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
12. A common trust fund operated by a bank under section 584(a),
13. A financial institution,
14. A middleman known in the investment community as a nominee or custodian, or
15. A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 5 and 7 through 13. Also, C corporations.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 7 ²

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, below, and items 4 and 5 on page 4 indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt Payee* on page 3.

Signature requirements. Complete the certification as indicated in items 1 through 3, below, and items 4 and 5 on page 4.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor [*]
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

^{*}Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2013 Withholding Exemption Certificate**590**

This form can only be used to certify exemption from nonresident withholding under California Revenue and Taxation Code (R&TC) Section 18662. Do not use this form for exemption from wage withholding.

File this form with your withholding agent. (Please type or print)

Withholding agent's name _____

Payee's name _____

Payee's SSN or ITIN FEIN
 CA corp. no. CA SOS file no

Address (number and street, PO Box, or PMB no.) _____

Apt. no./ Ste. no. _____

City _____

State _____

ZIP Code _____

Read the following carefully and check the box that applies to the payee.

I certify that for the reasons checked below, the payee named on this form is exempt from the California income tax withholding requirement on payment(s) made to the entity or individual.

Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Who is a Resident, for the definition of a resident.

Corporations:

The above-named corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return and withhold on payments of California source income to nonresidents when required. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information F, What is a Permanent Place of Business, for the definition of permanent place of business.

Partnerships or limited liability companies (LLC):

The above-named partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return and will withhold on foreign and domestic nonresident partners or members when required. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

Tax-Exempt Entities:

The above-named entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). The tax-exempt entity will withhold on payments of California source income to nonresidents when required. If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:

The above-named entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required. If the trustee becomes a nonresident at any time, I will promptly notify the withholding agent.

Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required.

Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE: Please complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) _____ Daytime telephone no. _____

Payee's signature _____ Date _____

Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

Private Mail Box (PMB) – Include the PMB in the address field. Write “PMB” first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Enter the information in the following order: City, Country, Province/Region, and Postal Code. Follow the country’s practice for entering the postal code. Do not abbreviate the country’s name.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding. California residents or entities should complete and present Form 590 to the withholding agent. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless told by the Franchise Tax Board (FTB) that the form should not be relied upon.

Important – This form cannot be used for exemption from wage and real estate withholding.

- If you are an employee, any wage withholding questions should be directed to the FTB General Information number, 800.852.5711. Employers should call 888.745.3886 or go to edd.ca.gov.
- Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from real estate withholding.

B Requirement

R&TC Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident S corporation shareholders, partners and members and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent’s business.
- Payments to nonresidents for royalties with activities in California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication see General Information H, Publications, Forms, and Additional Information.

Backup Withholding – Beginning on or after January 1, 2010, with certain limited exceptions, payers that are required to withhold and remit backup withholding to the Internal Revenue Service (IRS) are also required to withhold and remit to the FTB. The California backup withholding rate is 7% of the payment. For California purposes, dividends, interests, and any financial institutions release of loan funds made in the normal course of business are exempt from backup withholding. For additional information on California backup withholding, go to ftb.ca.gov and search for **backup withholding**.

If a payee has backup withholding, the payee must contact the FTB to provide a valid Taxpayer Identification Number (TIN) before filing a tax return. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp No.); or California Secretary of State (SOS) file number. Failure to provide a valid TIN will result in the denial of the backup withholding credit. For more information go to ftb.ca.gov and search for **backup withholding**.

Who is Excluded from Withholding – The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities
- A foreign government or any of its political subdivisions, agencies, or instrumentalities

C Who Certifies this Form

Form 590 is certified by the payee. An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed certificate on the preprinted form, the

withholding agent may accept as a substitute certificate a letter from the payee explaining why the payee is not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee’s taxpayer identification number. The withholding agent must retain a copy of the certificate or substitute for at least four years after the last payment to which the certificate applies, and provide it upon request to the FTB.

For example, if an entertainer (or the entertainer’s business entity) is paid for a performance, the entertainer’s information must be provided. Do not submit the entertainer’s agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes.

Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled “Individuals — Certification of Residency.”

D Who is a Resident

A California resident is any individual who is in California for other than a temporary or transitory purpose or any individual domiciled in California who is absent for a temporary or transitory purpose.

An individual domiciled in California who is absent from California for an uninterrupted period of at least 546 consecutive days under an employment-related contract is considered outside California for other than a temporary or transitory purpose.

An individual is still considered outside California for other than a temporary or transitory purpose if return visits to California do not total more than 45 days during any taxable year covered by an employment contract.

This provision does not apply if an individual has income from stocks, bonds, notes, or other intangible personal property in excess of \$200,000 in any taxable year in which the employment-related contract is in effect.

A spouse/RDP absent from California for an uninterrupted period of at least 546 days to accompany a spouse/RDP under an employment-related contract is considered outside of California for other than a temporary or transitory purpose.

Generally, an individual who comes to California for a purpose which will extend over a long or indefinite period will be considered a resident. However, an individual who comes to perform a particular contract of short duration will be considered a nonresident.

For assistance in determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status, and FTB Pub. 1032, Tax Information for Military Personnel, or call the FTB at 800.852.5711 or 916.845.6500.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home
- To which you intend to return whenever you are absent

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders.

Note: California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

F What is a Permanent Place of Business

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or if it is a foreign corporation qualified to transact intrastate business by the California SOS. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

G Withholding Agent

Keep Form 590 for your records. Do not send this form to the FTB unless it has been specifically requested.

For more information, contact Withholding Services and Compliance, see General Information H.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

The withholding agent must then withhold and report the withholding using Form 592, Resident and Nonresident Withholding Statement, and remit the withholding using Form 592-V, Payment Voucher for Resident and Nonresident Withholding. Form 592-B, Resident and Nonresident Withholding Tax Statement, is retained by the withholding agent and a copy is given to the payee.

H Additional Information

To get additional nonresident withholding information, contact the Withholding Services and Compliance.

WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

Telephone: 888.792.4900
916.845.4900
Fax: 916.845.9512

You can download, view, and print California tax forms and publications at ftb.ca.gov.

OR to get forms by mail write to:

TAX FORMS REQUEST UNIT MS F284
FRANCHISE TAX BOARD
PO BOX 307
RANCHO CORDOVA CA 95741-0307

For all other questions unrelated to withholding or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: ftb.ca.gov

Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov

Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 personas con discapacidades auditivas y del habla



United State Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before the SCAQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at the SCAQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

- | |
|---|
| <input type="checkbox"/> DBA, Name _____, County Filed in _____
<input type="checkbox"/> Corporation, ID No. _____
<input type="checkbox"/> LLC/LLP, ID No. _____ |
|---|

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12 months preceding the date of execution of this disclosure?

Yes No

**If YES, complete Section II below and then sign and date the form.
If NO, sign and date below. Include this form with your submittal.**

Campaign Contributions Disclosure, *continued*:

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast
AIR QUALITY MANAGEMENT DISTRICT
 21865 Copley Dr., Diamond Bar, CA 91765

Direct Deposit Authorization

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

Authorization

- I authorize South Coast Air Quality Management District (SCAQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by SCAQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to SCAQMD for distribution. This will delay my payment.
- This authorization remains in effect until SCAQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless SCAQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution		
	Account Holder Name(s)		
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking	Account Number	Routing Number
	Bank Representative Printed Name	Bank Representative Signature	Date
	ACCOUNT HOLDER SIGNATURE:		Date

For SCAQMD Use
Only

Input By _____

Date _____

Announcing the

South Coast Air Quality Management District's

Funding for Licensed Scrappers/Recyclers
of Gasoline Mowers Traded in at
SCAQMD's Lawn Mower Exchange Program

Program Announcement

#PA2015-03

September 5, 2014

DATE: September 5, 2014

TO: All Interested Parties

FROM: Barry Wallerstein, Executive Officer, SCAQMD

SUBJECT: SCAQMD Program Announcement for Licensed Scrappers/Recyclers of gasoline mowers traded in at AQMD's Lawn Mower Exchange Events

The South Coast Air Quality Management District (SCAQMD) is pleased to announce a funding opportunity for scrapping/recycling gasoline lawn mowers traded in at the Lawn Mower Exchange events in the spring of 2015. This program is designed to identify potential scrappers/recyclers with the capacity of providing roll off bins, the required staff, handling the gas mowers, draining the fuel on site, hauling the mowers to a recycling center and scrapping them all in a safe manner and in accordance with the applicable local, state and federal laws. Contracts may be awarded to multiple entities. All interested parties are encouraged to apply. The required tasks are listed in Section D.

The SCAQMD staff is available to assist applicants during the preparation of their applications for this program. Points of contact for administrative and technical assistance are included in the attached Program Announcement in Section F.

Should you have any questions regarding this Program Announcement, please contact Mr. Shashi Singeetham, Air Quality Specialist, at (909) 396-3298. The Announcement and Application documents can also be accessed via the Internet by visiting SCAQMD's website at www.aqmd.gov.

Our main objective is to reduce exposure to harmful emissions from the use of gasoline powered lawn mowers in the South Coast Air Basin and we look forward to receiving your application.

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A. LAWN MOWER EXCHANGE PROGRAM OVERVIEW

The purpose of this Program Announcement is to solicit competitive proposals from qualified scrappers/recyclers with the capacity of providing roll off bins, required staff, handling the gas mowers, draining the fuel on site, hauling the mowers to a recycling center and scrapping them all in a safe manner and in accordance with the applicable local, state and federal laws at all of SCAQMD’s 2015 Lawn Mower Exchange events. The goal of this proposal is to identify potential scrappers/recyclers for SCAQMD’s lawn mower exchange program at the lowest possible price. Contracts may be awarded to multiple entities.

The successful bidders should be a licensed scrapper/recycler knowledgeable and experienced in draining fuel, and be able to provide large roll off bins for the collection of the trade-in gasoline mowers, provide the required staff, render the mowers useless, haul them away to a recycling center, and scrap them all in a safe manner and in accordance with all applicable local, state and federal laws.

B. PROGRAM SCHEDULE

The implementation schedule of this program is illustrated below

September 5, 2014	Issue the Program Announcement & Application #PA2015-03
October 16, 2014	Applications due no later than 9:00 AM
November 21, 2014	Proposals approved by Mobile Source Committee
December 5, 2014	Proposals approved by Board
January 16, 2015	Contract Execution
December 31, 2015	Completion of Program

C. APPLICATION SUBMITTAL

The applicant shall submit **four copies** of the application and the project proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the applicant and the words “Program Application #PA2015-03. **All applications for the Lawn Mower Exchange Program/ are due no later than 9:00 a.m., October 16, 2014**

Procurement Unit
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA. 91765

The written proposals must be received by SCAQMD by the specified date and time regardless of when they may be postmarked for delivery. E-mail and faxed copies will not be accepted.

D. PARTICIPATION GUIDELINES, REQUIREMENTS, & CONDITIONS

Amounts of Funding

The amount of SCAQMD funding will be determined at a later date prior to the scheduling of lawn mower exchange events

Proposal Requirements

The South Coast Air Quality Management District (SCAQMD) is pleased to announce a funding opportunity for providing scrapping service in connection with SCAQMD’s Lawn Mower Exchange Program in the spring of 2015. The lawn mower exchange programs are drive-thru events where pre-registered customers bring their old operable gas mowers and exchange them for cordless electric lawn mowers for a subsidized price. The winning bidder will provide large roll-off bins to the event site, provide the required staff and equipment, drain fuel from the traded gas mowers, render them useless, haul them away to a scrapping yard and scrap them – all in a safe manner and in accordance with all applicable local, State and Federal laws. Unloading of the mowers from vehicles will be the responsibility of a different contractor. SCAQMD anticipates holding up to six events in the spring of 2015 and intends to offer up to 4,000 lawn mowers for exchange at these events. If additional State funds become available larger quantities may be exchanged.

The Tasks required of a successful bidder are as follows:

- Task 1:** The day before the Lawn mower Exchange event, CONTRACTOR shall place roll off bins used to collect old gas mowers at pre-determined locations SCAQMD shall inform CONTRACTOR of the date, time and location for each Lawn Mower Exchange event as soon as possible. However, AQMD has the right to cancel at any time any or all scheduled events. CONTRACTOR shall not be paid for a cancelled event.
- Task 2:** During the event, CONTRACTOR shall drain fuel from the gas mowers in a safe manner and in accordance with all the applicable local, state and federal laws and place the emptied gas mowers in the roll off bins. The drained fuel shall be placed in container(s) approved for fuel collection and transportation by local, state and/or federal law, as applicable.
- Task 3:** At the end of the event, CONTRACTOR shall haul away the mowers collected at the event to a licensed scrapping yard for scrapping and shall transport the drained fuel for disposal at an authorized disposal facility, all in a safe manner and in accordance with the applicable local, state and federal laws.
- Task 4:** CONTRACTOR shall be solely responsible for the cleanup of any fuel or other spills in a manner that meets all the applicable local, state and federal laws.

Proposals from Licensed Scrappers/Recyclers should include but not limited to the following information:

- Cost per exchange event
- Cost per mower handled
- Details of equipment used
- Experience in handling large volume
- Scrapping methodology including final disposal of all materials
- References from recent similar work completed
- Other information that could qualify you to be a successful bidder

Insurance Requirements:

To be eligible the successful bidder shall:

- Furnish evidence to SCAQMD of workers' compensation insurance for each of its employees, in accordance with either California or other states' applicable statutory requirements prior to commencement of any work;
- Furnish evidence to SCAQMD of general liability insurance with a limit of at least \$1,000,000 per occurrence, and \$2,000,000 in a general aggregate prior to commencement of any work on the Contract. SCAQMD shall be named as an

additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given to SCAQMD;

- Furnish evidence to SCAQMD of automobile liability insurance with limits of at least \$100,000 per person and \$300,000 per accident for bodily injuries, and \$50,000 in property damage, or \$1,000,000 combined single limit for bodily injury or property damage, prior to commencement of any work on this Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given to SCAQMD.
- Furnish evidence to SCAQMD of Professional Liability Insurance with an aggregate limit of not less than \$5,000,000.

Company Contact

Bidders shall provide the company's contact person's name, address, phone numbers and the e-mail address.

E. PROJECT IMPLEMENTATION

Project Selection

Contractor(s) will be selected based on, but not limited to, the following criteria:

- Be a licensed scrapper
- Have all necessary permits with EPA for Hazardous Material Disposal
- Be able to provide and transport large roll off bins from the exchange sites
- Be able to provide trained staff to disable lawn mowers and render them useless
- Be a licensed scrapper capable of scrapping the mowers collected at the events

F. IF YOU NEED HELP

This Program Announcement and Application can be obtained by accessing the SCAQMD web site at www.aqmd.gov. SCAQMD staff members are available to answer questions during the application acceptance period. In order to help expedite assistance, please direct your inquiries to the applicable staff person, as follows:

- For **General, Administrative, or Technical Assistance**, please contact:

Shashi Singeetham
Air Quality Specialist
Phone: 909-396-3298
Fax: 909-396-3608
ssingeetham@aqmd.gov

ATTACHMENT A

CERTIFICATIONS AND REPRESENTATIONS



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear SCAQMD Contractor/Supplier:

The South Coast Air Quality Management District (SCAQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, complete the enclosed W-9 form, remember to sign both documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Michael B. O'Kelly
Chief Financial Officer

DH:tm

Enclosures: Business Information Request
Disadvantaged Business Certification
W-9
Form 590 Withholding Exemption Certificate
Federal Contract Debarment Certification
Campaign Contributions Disclosure
Direct Deposit Authorization



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

DISADVANTAGED BUSINESS CERTIFICATION

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to the SCAQMD, _____ (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, **as applicable**, in accordance with SCAQMD Procurement Policy and Procedure:

Check all that apply:

- | | |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise |
| <input type="checkbox"/> Local business | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise | |

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

NAME

TITLE

TELEPHONE NUMBER

DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of the SCAQMD at the time of bid application.
- performs 90 percent of the work within SCAQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

"Minority" person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
	<input type="checkbox"/> Exempt payee	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code		
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number									

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number									

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,
- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a “saving clause.” Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called “backup withholding.” Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Partnership, C Corporation, or S Corporation. Enter the entity’s name on the “Name” line and any business, trade, or “doing business as (DBA) name” on the “Business name/disregarded entity name” line.

Disregarded entity. Enter the owner’s name on the “Name” line. The name of the entity entered on the “Name” line should never be a disregarded entity. The name on the “Name” line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner’s name is required to be provided on the “Name” line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on the “Business name/disregarded entity name” line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the “Name” line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the “Name” line is an LLC, check the “Limited liability company” box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter “P” for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter “C” for C corporation or “S” for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the “Name” line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the “Name” line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the "Business name/disregarded entity name," sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
2. The United States or any of its agencies or instrumentalities,
3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,
7. A foreign central bank of issue,
8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
9. A futures commission merchant registered with the Commodity Futures Trading Commission,
10. A real estate investment trust,
11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
12. A common trust fund operated by a bank under section 584(a),
13. A financial institution,
14. A middleman known in the investment community as a nominee or custodian, or
15. A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 5 and 7 through 13. Also, C corporations.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 7 ²

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, below, and items 4 and 5 on page 4 indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt Payee* on page 3.

Signature requirements. Complete the certification as indicated in items 1 through 3, below, and items 4 and 5 on page 4.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor [*]
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2013 Withholding Exemption Certificate**590**

This form can only be used to certify exemption from nonresident withholding under California Revenue and Taxation Code (R&TC) Section 18662. Do not use this form for exemption from wage withholding.

File this form with your withholding agent. (Please type or print)

Withholding agent's name _____

Payee's name _____

Payee's SSN or ITIN FEIN
 CA corp. no. CA SOS file no

Address (number and street, PO Box, or PMB no.) _____

Apt. no./ Ste. no. _____

City _____

State _____

ZIP Code _____

Read the following carefully and check the box that applies to the payee.

I certify that for the reasons checked below, the payee named on this form is exempt from the California income tax withholding requirement on payment(s) made to the entity or individual.

Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Who is a Resident, for the definition of a resident.

Corporations:

The above-named corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return and withhold on payments of California source income to nonresidents when required. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information F, What is a Permanent Place of Business, for the definition of permanent place of business.

Partnerships or limited liability companies (LLC):

The above-named partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return and will withhold on foreign and domestic nonresident partners or members when required. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

Tax-Exempt Entities:

The above-named entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). The tax-exempt entity will withhold on payments of California source income to nonresidents when required. If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:

The above-named entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required. If the trustee becomes a nonresident at any time, I will promptly notify the withholding agent.

Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required.

Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE: Please complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) _____ Daytime telephone no. _____

Payee's signature _____ Date _____

Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

Private Mail Box (PMB) – Include the PMB in the address field. Write “PMB” first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Enter the information in the following order: City, Country, Province/Region, and Postal Code. Follow the country’s practice for entering the postal code. Do not abbreviate the country’s name.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding. California residents or entities should complete and present Form 590 to the withholding agent. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless told by the Franchise Tax Board (FTB) that the form should not be relied upon.

Important – This form cannot be used for exemption from wage and real estate withholding.

- If you are an employee, any wage withholding questions should be directed to the FTB General Information number, 800.852.5711. Employers should call 888.745.3886 or go to edd.ca.gov.
- Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from real estate withholding.

B Requirement

R&TC Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident S corporation shareholders, partners and members and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent’s business.
- Payments to nonresidents for royalties with activities in California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication see General Information H, Publications, Forms, and Additional Information.

Backup Withholding – Beginning on or after January 1, 2010, with certain limited exceptions, payers that are required to withhold and remit backup withholding to the Internal Revenue Service (IRS) are also required to withhold and remit to the FTB. The California backup withholding rate is 7% of the payment. For California purposes, dividends, interests, and any financial institutions release of loan funds made in the normal course of business are exempt from backup withholding. For additional information on California backup withholding, go to ftb.ca.gov and search for **backup withholding**.

If a payee has backup withholding, the payee must contact the FTB to provide a valid Taxpayer Identification Number (TIN) before filing a tax return. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp No.); or California Secretary of State (SOS) file number. Failure to provide a valid TIN will result in the denial of the backup withholding credit. For more information go to ftb.ca.gov and search for **backup withholding**.

Who is Excluded from Withholding – The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities
- A foreign government or any of its political subdivisions, agencies, or instrumentalities

C Who Certifies this Form

Form 590 is certified by the payee. An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed certificate on the preprinted form, the

withholding agent may accept as a substitute certificate a letter from the payee explaining why the payee is not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee’s taxpayer identification number. The withholding agent must retain a copy of the certificate or substitute for at least four years after the last payment to which the certificate applies, and provide it upon request to the FTB.

For example, if an entertainer (or the entertainer’s business entity) is paid for a performance, the entertainer’s information must be provided. Do not submit the entertainer’s agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes.

Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled “Individuals — Certification of Residency.”

D Who is a Resident

A California resident is any individual who is in California for other than a temporary or transitory purpose or any individual domiciled in California who is absent for a temporary or transitory purpose.

An individual domiciled in California who is absent from California for an uninterrupted period of at least 546 consecutive days under an employment-related contract is considered outside California for other than a temporary or transitory purpose.

An individual is still considered outside California for other than a temporary or transitory purpose if return visits to California do not total more than 45 days during any taxable year covered by an employment contract.

This provision does not apply if an individual has income from stocks, bonds, notes, or other intangible personal property in excess of \$200,000 in any taxable year in which the employment-related contract is in effect.

A spouse/RDP absent from California for an uninterrupted period of at least 546 days to accompany a spouse/RDP under an employment-related contract is considered outside of California for other than a temporary or transitory purpose.

Generally, an individual who comes to California for a purpose which will extend over a long or indefinite period will be considered a resident. However, an individual who comes to perform a particular contract of short duration will be considered a nonresident.

For assistance in determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status, and FTB Pub. 1032, Tax Information for Military Personnel, or call the FTB at 800.852.5711 or 916.845.6500.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home
- To which you intend to return whenever you are absent

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders.

Note: California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

F What is a Permanent Place of Business

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or if it is a foreign corporation qualified to transact intrastate business by the California SOS. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

G Withholding Agent

Keep Form 590 for your records. Do not send this form to the FTB unless it has been specifically requested.

For more information, contact Withholding Services and Compliance, see General Information H.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

The withholding agent must then withhold and report the withholding using Form 592, Resident and Nonresident Withholding Statement, and remit the withholding using Form 592-V, Payment Voucher for Resident and Nonresident Withholding. Form 592-B, Resident and Nonresident Withholding Tax Statement, is retained by the withholding agent and a copy is given to the payee.

H Additional Information

To get additional nonresident withholding information, contact the Withholding Services and Compliance.

WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

Telephone: 888.792.4900
916.845.4900
Fax: 916.845.9512

You can download, view, and print California tax forms and publications at ftb.ca.gov.

OR to get forms by mail write to:

TAX FORMS REQUEST UNIT MS F284
FRANCHISE TAX BOARD
PO BOX 307
RANCHO CORDOVA CA 95741-0307

For all other questions unrelated to withholding or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: ftb.ca.gov

Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov

Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 personas con discapacidades auditivas y del habla



United State Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before the SCAQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at the SCAQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

<input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12 months preceding the date of execution of this disclosure?

Yes No

**If YES, complete Section II below and then sign and date the form.
If NO, sign and date below. Include this form with your submittal.**

Campaign Contributions Disclosure, *continued*:

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast
 AIR QUALITY MANAGEMENT DISTRICT
 21865 Copley Dr., Diamond Bar, CA 91765

Direct Deposit Authorization

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

Authorization

- I authorize South Coast Air Quality Management District (SCAQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by SCAQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to SCAQMD for distribution. This will delay my payment.
- This authorization remains in effect until SCAQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless SCAQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution		
	Account Holder Name(s)		
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking	Account Number	Routing Number
	Bank Representative Printed Name	Bank Representative Signature	Date
	ACCOUNT HOLDER SIGNATURE:		Date

For SCAQMD Use
 Only

Input By _____

Date _____

Announcing the
South Coast Air Quality Management District's

Funding for Support Service Providers at
SCAQMD's Lawn Mower Exchange Program

Program Announcement

#PA2015-02

September 5, 2014

DATE: September 5, 2014

TO: All Interested Parties

FROM: Barry Wallerstein, Executive Officer, SCAQMD

SUBJECT: AQMD Program Announcement for Support Service Providers at
AQMD's Lawn Mower Exchange Events

The South Coast Air Quality Management District (SCAQMD) is pleased to announce a funding opportunity for Support Service Providers at the Lawn Mower Exchange events in the spring of 2015. This Program Announcement is designed to identify potential support service providers with the capacity of providing staff for unloading gas powered lawn mowers from vehicles at the drive-thru Lawn Mower Exchange events, and also the necessary equipment and staff to direct traffic at these events. Contracts may be awarded to multiple entities. All interested parties are encouraged to apply. The required tasks are listed in Section D.

The SCAQMD staff is available to assist applicants during the preparation of their applications for this program. Points of contact for administrative and technical assistance are included in the attached Program Announcement in Section F.

Should you have any questions regarding this Program Announcement, please contact Mr. Shashi Singeetham, Air Quality Specialist, at (909) 396-3298. The Announcement and Application documents can also be accessed via the Internet by visiting SCAQMD's website at www.aqmd.gov.

Our main objective is to reduce exposure to harmful emissions from the use of gasoline powered lawn mowers in the South Coast Air Basin and we look forward to receiving your application.

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A. LAWN MOWER EXCHANGE PROGRAM OVERVIEW

The purpose of this Program Announcement is to solicit competitive proposals from support service providers with the capacity of providing staff for unloading gas powered lawn mowers from vehicles at the SCAQMD’s drive-thru Lawn mower Exchange events, and also the necessary equipment and staff to direct traffic at these events. The goal of this proposal is to identify potential vendors for SCAQMD’s lawn mower exchange program at the lowest possible price. Contracts may be awarded to multiple entities.

The successful bidders should be able to provide the required staff to unload lawn mowers at SCAQMD’s Lawn Mower Exchange events, provide the required equipment and staff to direct traffic at these events.

B. PROGRAM SCHEDULE

The implementation schedule of this program is illustrated below

September 5, 2014	Issue the Program Announcement & Application #PA2015-02
October 16, 2014	Applications due no later than 9:00 AM
November 21, 2014	Proposals approved by Mobile Source Committee
December 5, 2014	Proposals approved by Board
January 16, 2015	Contract Execution
December 31, 2015	Completion of Program

C. APPLICATION SUBMITTAL

The applicant shall submit **four copies** of the application and the project proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the applicant and the words “Program Application #PA2015-02. **All applications for the Lawn Mower Exchange Program Support Service Providers/ are due no later than 9:00 a.m., October 16, 2014.**

Procurement Unit
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA. 91765

The written proposals must be received by SCAQMD by the specified date and time regardless of when they may be postmarked for delivery. E-mail and faxed copies will not be accepted.

D. PARTICIPATION GUIDELINES, REQUIREMENTS, & CONDITIONS

Amounts of Funding

The amount of SCAQMD funding will be determined at a later date prior to the scheduling of lawn mower exchange events

Proposal Requirements

The South Coast Air Quality Management District (SCAQMD) is pleased to announce a funding opportunity for providing Support Service Providers in connection with SCAQMD’s Lawn Mower Exchange Program in the spring of 2015. The lawn mower exchange programs are drive-thru events where pre-registered customers bring their old operable gas mowers and exchange them for cordless electric lawn mowers for a subsidized price. The winning bidder will provide the required staff to unload lawn mowers from participant vehicles, and also provide staff and equipment to direct traffic at these Lawn Mower Exchange events. SCAQMD anticipates holding up to six events in the spring of 2015 and intends to offer up to 4,000 lawn mowers for exchange at these events. If additional State funds become available larger quantities may be exchanged.

Required Tasks

The Tasks required of a successful bidder are as follows:

- Task 1:** On the day of the Lawn Mower Exchange, arrive at the event site two hours early with required equipment like traffic cones, caution tape and barricades. CONTRACTOR shall place traffic cones, barricades, signage as directed SCAQMD project officer on site. SCAQMD shall inform CONTRACTOR of the date, time and location for each Lawn Mower Exchange event as soon as possible. However, SCAQMD has the right to cancel at any time any or all scheduled events. CONTRACTOR shall not be paid for a cancelled event.
- Task 2:** During the event, CONTRACTOR shall unload the old gas mowers from participant vehicles and hand them over to the licensed scrapper on site. CONTRACTOR will also provide traffic directors to ensure smooth flow of traffic.
- Task 3:** At the end of the event, CONTRACTOR shall make sure all equipment is picked up and the area is kept clean of any debris from the event.

Proposals from Support Service Providers should include but not limited to the following:

- Demonstrated experience in performing similar services at large public events
- Experience in events conducted in Los Angeles, Orange, San Bernardino and Riverside Counties
- Hourly rate per mower handler
- Hourly rate per traffic director
- Rental rate for traffic cones/tape
- Rental rate for A-frame barricades for signage

Insurance Requirements:

To be eligible the successful bidder shall:

- Furnish evidence to SCAQMD of workers' compensation insurance for each of its employees, in accordance with either California or other states' applicable statutory requirements prior to commencement of any work;
- Furnish evidence to SCAQMD of general liability insurance with a limit of at least \$1,000,000 per occurrence, and \$2,000,000 in a general aggregate prior to commencement of any work on the Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given to SCAQMD;
- Furnish evidence to SCAQMD of automobile liability insurance with limits of at least \$100,000 per person and \$300,000 per accident for bodily injuries, and

\$50,000 in property damage, or \$1,000,000 combined single limit for bodily injury or property damage, prior to commencement of any work on this Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given to SCAQMD.

- Furnish evidence to SCAQMD of Professional Liability Insurance with an aggregate limit of not less than \$5,000,000.

Company Contact

Bidders shall provide the company's contact person's name, address, phone numbers and the e-mail address.

E. PROJECT IMPLEMENTATION

Project Selection

Contractor(s) will be selected based on, but not limited to, the following criteria:

- Meet insurance requirements listed in Section D
- Be able to provide trained staff to unload lawn mowers from participant vehicles
- Be able to provide assistance with signage and traffic flow at the event

F. IF YOU NEED HELP

This Program Announcement and Application can be obtained by accessing the SCAQMD web site at www.aqmd.gov. SCAQMD staff members are available to answer questions during the application acceptance period. In order to help expedite assistance, please direct your inquiries to the applicable staff person, as follows:

- For **General, Administrative, or Technical Assistance**, please contact:

Shashi Singeetham
Air Quality Specialist
Phone: 909-396-3298
Fax: 909-396-3608
ssingeetham@aqmd.gov

ATTACHMENT A

CERTIFICATIONS AND REPRESENTATIONS



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear SCAQMD Contractor/Supplier:

The South Coast Air Quality Management District (SCAQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, complete the enclosed W-9 form, remember to sign both documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Michael B. O'Kelly
Chief Financial Officer

DH:tm

Enclosures: Business Information Request
Disadvantaged Business Certification
W-9
Form 590 Withholding Exemption Certificate
Federal Contract Debarment Certification
Campaign Contributions Disclosure
Direct Deposit Authorization



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

**Attention: Accounts Payable, Accounting Department
 South Coast Air Quality Management District
 21865 Copley Drive
 Diamond Bar, CA 91765-4178**

DISADVANTAGED BUSINESS CERTIFICATION

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to the SCAQMD, _____ (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, **as applicable**, in accordance with SCAQMD Procurement Policy and Procedure:

Check all that apply:

- | | |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise |
| <input type="checkbox"/> Local business | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise | |

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

NAME

TITLE

TELEPHONE NUMBER

DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of the SCAQMD at the time of bid application.
- performs 90 percent of the work within SCAQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

"Minority" person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

Request for Taxpayer Identification Number and Certification

**Give Form to the
 requester. Do not
 send to the IRS.**

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
	<input type="checkbox"/> Exempt payee	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code		
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number									

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number									

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,
- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a “saving clause.” Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called “backup withholding.” Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate Instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Partnership, C Corporation, or S Corporation. Enter the entity’s name on the “Name” line and any business, trade, or “doing business as (DBA) name” on the “Business name/disregarded entity name” line.

Disregarded entity. Enter the owner’s name on the “Name” line. The name of the entity entered on the “Name” line should never be a disregarded entity. The name on the “Name” line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner’s name is required to be provided on the “Name” line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity’s name on the “Business name/disregarded entity name” line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the “Name” line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the “Name” line is an LLC, check the “Limited liability company” box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter “P” for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter “C” for C corporation or “S” for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the “Name” line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the “Name” line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the "Business name/disregarded entity name," sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
2. The United States or any of its agencies or instrumentalities,
3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
5. An international organization or any of its agencies or instrumentalities.

Other payees that may be exempt from backup withholding include:

6. A corporation,
7. A foreign central bank of issue,
8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
9. A futures commission merchant registered with the Commodity Futures Trading Commission,
10. A real estate investment trust,
11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
12. A common trust fund operated by a bank under section 584(a),
13. A financial institution,
14. A middleman known in the investment community as a nominee or custodian, or
15. A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 5 and 7 through 13. Also, C corporations.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 7 ²

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, below, and items 4 and 5 on page 4 indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt Payee* on page 3.

Signature requirements. Complete the certification as indicated in items 1 through 3, below, and items 4 and 5 on page 4.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee) b. So-called trust account that is not a legal or valid trust under state law	The grantor-trustee ¹ The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor [*]
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

^{*}Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2013 Withholding Exemption Certificate**590**

This form can only be used to certify exemption from nonresident withholding under California Revenue and Taxation Code (R&TC) Section 18662. Do not use this form for exemption from wage withholding.

File this form with your withholding agent. (Please type or print)

Withholding agent's name _____

Payee's name _____

Payee's SSN or ITIN FEIN
 CA corp. no. CA SOS file no

Address (number and street, PO Box, or PMB no.) _____

Apt. no./ Ste. no. _____

City _____

State _____

ZIP Code _____

Read the following carefully and check the box that applies to the payee.

I certify that for the reasons checked below, the payee named on this form is exempt from the California income tax withholding requirement on payment(s) made to the entity or individual.

Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Who is a Resident, for the definition of a resident.

Corporations:

The above-named corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return and withhold on payments of California source income to nonresidents when required. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information F, What is a Permanent Place of Business, for the definition of permanent place of business.

Partnerships or limited liability companies (LLC):

The above-named partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return and will withhold on foreign and domestic nonresident partners or members when required. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

Tax-Exempt Entities:

The above-named entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). The tax-exempt entity will withhold on payments of California source income to nonresidents when required. If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:

The above-named entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required. If the trustee becomes a nonresident at any time, I will promptly notify the withholding agent.

Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required.

Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE: Please complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) _____ Daytime telephone no. _____

Payee's signature _____ Date _____

Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners.

Private Mail Box (PMB) – Include the PMB in the address field. Write “PMB” first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Enter the information in the following order: City, Country, Province/Region, and Postal Code. Follow the country’s practice for entering the postal code. Do not abbreviate the country’s name.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding. California residents or entities should complete and present Form 590 to the withholding agent. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless told by the Franchise Tax Board (FTB) that the form should not be relied upon.

Important – This form cannot be used for exemption from wage and real estate withholding.

- If you are an employee, any wage withholding questions should be directed to the FTB General Information number, 800.852.5711. Employers should call 888.745.3886 or go to edd.ca.gov.
- Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from real estate withholding.

B Requirement

R&TC Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident S corporation shareholders, partners and members and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent’s business.
- Payments to nonresidents for royalties with activities in California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication see General Information H, Publications, Forms, and Additional Information.

Backup Withholding – Beginning on or after January 1, 2010, with certain limited exceptions, payers that are required to withhold and remit backup withholding to the Internal Revenue Service (IRS) are also required to withhold and remit to the FTB. The California backup withholding rate is 7% of the payment. For California purposes, dividends, interests, and any financial institutions release of loan funds made in the normal course of business are exempt from backup withholding. For additional information on California backup withholding, go to ftb.ca.gov and search for **backup withholding**.

If a payee has backup withholding, the payee must contact the FTB to provide a valid Taxpayer Identification Number (TIN) before filing a tax return. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp No.); or California Secretary of State (SOS) file number. Failure to provide a valid TIN will result in the denial of the backup withholding credit. For more information go to ftb.ca.gov and search for **backup withholding**.

Who is Excluded from Withholding – The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities
- A foreign government or any of its political subdivisions, agencies, or instrumentalities

C Who Certifies this Form

Form 590 is certified by the payee. An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed certificate on the preprinted form, the

withholding agent may accept as a substitute certificate a letter from the payee explaining why the payee is not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee’s taxpayer identification number. The withholding agent must retain a copy of the certificate or substitute for at least four years after the last payment to which the certificate applies, and provide it upon request to the FTB.

For example, if an entertainer (or the entertainer’s business entity) is paid for a performance, the entertainer’s information must be provided. Do not submit the entertainer’s agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes.

Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled “Individuals — Certification of Residency.”

D Who is a Resident

A California resident is any individual who is in California for other than a temporary or transitory purpose or any individual domiciled in California who is absent for a temporary or transitory purpose.

An individual domiciled in California who is absent from California for an uninterrupted period of at least 546 consecutive days under an employment-related contract is considered outside California for other than a temporary or transitory purpose.

An individual is still considered outside California for other than a temporary or transitory purpose if return visits to California do not total more than 45 days during any taxable year covered by an employment contract.

This provision does not apply if an individual has income from stocks, bonds, notes, or other intangible personal property in excess of \$200,000 in any taxable year in which the employment-related contract is in effect.

A spouse/RDP absent from California for an uninterrupted period of at least 546 days to accompany a spouse/RDP under an employment-related contract is considered outside of California for other than a temporary or transitory purpose.

Generally, an individual who comes to California for a purpose which will extend over a long or indefinite period will be considered a resident. However, an individual who comes to perform a particular contract of short duration will be considered a nonresident.

For assistance in determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status, and FTB Pub. 1032, Tax Information for Military Personnel, or call the FTB at 800.852.5711 or 916.845.6500.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home
- To which you intend to return whenever you are absent

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders.

Note: California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

F What is a Permanent Place of Business

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or if it is a foreign corporation qualified to transact intrastate business by the California SOS. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

G Withholding Agent

Keep Form 590 for your records. Do not send this form to the FTB unless it has been specifically requested.

For more information, contact Withholding Services and Compliance, see General Information H.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

The withholding agent must then withhold and report the withholding using Form 592, Resident and Nonresident Withholding Statement, and remit the withholding using Form 592-V, Payment Voucher for Resident and Nonresident Withholding. Form 592-B, Resident and Nonresident Withholding Tax Statement, is retained by the withholding agent and a copy is given to the payee.

H Additional Information

To get additional nonresident withholding information, contact the Withholding Services and Compliance.

WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

Telephone: 888.792.4900
916.845.4900
Fax: 916.845.9512

You can download, view, and print California tax forms and publications at ftb.ca.gov.

OR to get forms by mail write to:

TAX FORMS REQUEST UNIT MS F284
FRANCHISE TAX BOARD
PO BOX 307
RANCHO CORDOVA CA 95741-0307

For all other questions unrelated to withholding or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: ftb.ca.gov

Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov

Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 personas con discapacidades auditivas y del habla



United State Environmental Protection Agency
Washington, DC 20460

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before the SCAQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at the SCAQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

<input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12 months preceding the date of execution of this disclosure?

Yes No

**If YES, complete Section II below and then sign and date the form.
If NO, sign and date below. Include this form with your submittal.**

Campaign Contributions Disclosure, *continued*:

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate	Amount of Contribution	Date of Contribution
---	------------------------	----------------------

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast
AIR QUALITY MANAGEMENT DISTRICT
 21865 Copley Dr., Diamond Bar, CA 91765

Direct Deposit Authorization

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

Authorization

- I authorize South Coast Air Quality Management District (SCAQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by SCAQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to SCAQMD for distribution. This will delay my payment.
- This authorization remains in effect until SCAQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless SCAQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution					
	Account Holder Name(s)					
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking		Account Number	Routing Number		
	Bank Representative Printed Name		Bank Representative Signature		Date	
	ACCOUNT HOLDER SIGNATURE:				Date	

For SCAQMD Use
 Only

Input By _____

Date _____

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 8

PROPOSAL: Issue RFP to Measure Emissions from Refineries and Other Sources Utilizing Advanced Remote Sensing Technologies, Develop Advanced Fenceline Monitoring Systems and Issue RFQ to Procure Wind LIDAR System

SYNOPSIS: Recent advances in optical remote sensing technology have made it possible to quantify fugitive VOC emissions from an entire refinery complex. Two recent SCAQMD-funded pilot studies have demonstrated the capabilities of some of these remote sensing methods. However, it was concluded that longer term measurements and more detailed wind profile information are needed to enhance the accuracy of emissions data. This action is to issue an RFP to conduct a series of measurement campaigns intended to fully characterize and quantify fugitive and stack emissions from large refineries and other important VOC sources and to develop two different remote sensing monitoring systems. This action is to also issue an RFQ and subsequent purchase order to procure a portable wind LIDAR system for continuous wind profile measurements in an amount not to exceed \$250,000 from the Rule 1118 Mitigation Fund (54).

COMMITTEE: Technology, July 25, 2014; Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.

RECOMMENDED ACTIONS:

1. Approve issuance of RFP #P2015-07 to solicit proposals to:
 - a. Conduct a series of three measurement projects intended to better characterize and quantify fugitive and stack emissions and improve current emission inventory estimates (Projects 1 through 3 in Table 1); and
 - b. Develop a remote sensing “Optical Tent” and a portable Imaging-Differential Optical Absorption Spectroscopy (I-DOAS) system that would allow for the near-real time characterization and quantification of VOC emissions at a refinery

fenceline and to provide early warning and real-time alerts to communities downwind of a refinery (Projects 4 and 5 in Table 1).

2. Transfer and appropriate \$250,000 from the Rule 1118 Mitigation Fund (54) to the General Fund, Science and Technology Advancement, Capital Outlay Major Object, Capital Outlay Account and authorize the Executive Officer to issue an RFQ for the purchase of a wind LIDAR system for continuous wind profile measurements (Table 1) and execute subsequent purchase order in accordance with SCAQMD's Procurement Policy and Procedure in an amount not to exceed \$250,000.

Barry R. Wallerstein, D.Env.
Executive Officer

MMM:LT:AP:PMF:RE:JL

Background

Modern atmospheric optical remote sensing (ORS) techniques offer unique capabilities for monitoring trace gas emissions from point and area sources in near-real time. These spectroscopic methods allow for an absolute determination of the path averaged gas concentration and, for certain applications, a direct determination of emission fluxes. This capability can be especially valuable for fugitive emission sources, which are often extremely challenging to identify and/or quantify. ORS methods do not require instrument calibration and can be used for continuous monitoring of gaseous pollutants from outside of the fenceline of a facility, thus avoiding complications due to safety and security constraints.

In March 2011, the SCAQMD awarded \$300,000 to UCLA to demonstrate the capabilities of various ORS methods for industrial fenceline monitoring. Three different UV-visible Differential Optical Absorption Spectroscopy (DOAS) remote sensing techniques (i.e. LP-DOAS, I-DOAS, and MAX-DOAS) were successfully used to monitor trace gas concentrations near the Tesoro refinery in Wilmington. In September 2013, the SCAQMD awarded \$50,000 to FluxSense AB (Göteborg, Sweden) to conduct a similar technology demonstration study evaluating the effectiveness of another ORS technique (i.e. Solar Occultation Flux or SOF) for its ability to quantify fugitive VOC emissions from the Tesoro and Phillips 66 refineries, both located in Wilmington. Measured VOC emission rates from this limited-scale pilot study were significantly higher than rates derived from annual emissions reported based on currently acceptable quantification and reporting procedures. Overall, these two pilot projects have demonstrated that ORS techniques can be used to characterize and quantify emissions from refineries, although longer term measurements (e.g., one month to a year) and more detailed wind profile information are needed to minimize measurement uncertainties and validate earlier observations. Such validation would be critical to improving emission inventories and air quality model performance as well as fine-tuning future attainment strategies. Such techniques could provide facility

operators with crucial information in improving the efficiency of existing leak detection and repair programs and other emission control strategies.

In addition, the chemical release and fire that occurred in August 2012 at Chevron's oil refinery in Richmond illustrated how critical and urgent it is to develop capabilities for real-time monitoring of Hazardous Air Pollutant (HAP) levels in the air in and around refineries. This is especially important for refineries situated in densely populated metropolitan areas such as Los Angeles. The SCAQMD has eight major and minor refineries under its jurisdiction, and while a number of rules, regulations and practices are already in place to assure safe operations and minimize air pollution, adding continuous, real-time monitoring, in addition to improved emissions characterization, will greatly augment capabilities for early detection and alarm of harmful releases.

In May 2014, the U.S. EPA issued a proposed rule that would impose more stringent fugitive emission control requirements of HAPs for flares, coking units and catalytic reforming unit vents of petroleum refineries (<http://www.epa.gov/ttn/atw/petref.html>). To ensure that proposed standards are being met, and to protect the public from exposure to harmful HAPs, EPA is proposing to require monitoring of benzene concentrations (a surrogate for organic HAP fugitive emissions) at the fenceline of refineries using a network of passive sensors and collecting two-week averaged benzene concentrations. EPA also conducted an extensive technology review of recent years' advancements in fenceline monitoring capabilities to assess the feasibility of using ORS techniques for continuous fenceline monitoring of fugitive emissions. In addition to passive and active sampling networks, EPA concluded that UV-DOAS and open-path Fourier Transform InfraRed spectroscopy (FTIR) are feasible and appropriate methods for monitoring long-term organic HAP at the fenceline of a petroleum refinery.

Proposal

Issue RFP

This action is to issue RFP #P2015-07 to solicit proposals for a series of three measurement and evaluation projects (Projects 1 through 3 in Table 1) to better characterize and quantify fugitive and stack emissions from refineries and other important sources of VOCs, such as gas stations, oil wells, marine vessels, barges and railyards. RFP #P2015-07 is also to further develop spectroscopic techniques and capabilities for continuous near-real time emission monitoring (Projects 4 and 5 in Table 1). This RFP seeks qualified, independent vendors, academic institutions, national laboratories and other public and private organizations with proven expertise in developing, manufacturing, installing, operating and maintaining advanced ORS technologies (see attached RFP for further details and a complete list of desirable qualifications). The RFP will allow bidding entities to submit proposals on one or more of the five proposed projects, which are detailed below. Table 1 lists all proposed projects in the RFP and their estimated costs.

For Projects 4 and 5, prospective contractors not capable of providing the SCAQMD with a complete “turnkey” project but still interested in assisting SCAQMD staff with the various phases of the development, implementation and/or operation of the proposed ORS systems (e.g., instrumentation, fabrication, software development, integration and construction) can also apply for these proposals by submitting a list of their qualifications, their hourly rates, a detailed description of the type of services they could provide and associated costs. This information will be used to create a list of qualified contractors that may be asked to work independently or as part of a team to perform one or more functions/tasks within these two projects.

Project #1: Quantification of Fugitive Emissions from Large Refineries

A comprehensive multiple week campaign will be conducted at local refineries in the Los Angeles Basin to quantify total fugitive and stack emissions of methane, non-methane VOC, nitrogen oxides (NO_x) and sulfur dioxide (SO₂) using one or more well-established fenceline monitoring techniques. Acceptable ORS methods may include, but not be limited to, DOAS, SOF, FTIR and Differential Absorption LIDAR (DIAL). Preferably, two or more of these techniques will be used in combination to allow for the detection of a wider array of trace gases. Measurements will be taken at the refinery fenceline as well as inside the facility (with the consent of the facility operators) to identify the specific emission sources and further validate the fenceline data. Meteorological data (e.g., wind speed and wind direction) will also be collected as part of this project to better interpret the emission results. Measurements obtained from the successful completion of this project will contribute to narrow the gap between measured and reported fugitive emission levels from refineries and will serve as valuable input to future environmental decision-making. Cost estimates for multi-year projects/proposals (e.g., repeated annual/bi-annual measurements) will also be considered.

Project #2: Quantification of Gaseous Emissions from Gas Stations, Oil Wells and Other Small Point Sources

A multiple week campaign will be conducted to characterize and quantify gaseous emissions from small point sources (primarily gas stations and oil wells) using one or more of the following ORS techniques: DOAS, SOF and FTIR. Measurements of methane and non-methane VOC will be taken from a mobile vehicle targeting 50 to 100 oil wells, 20 to 40 gas stations and at several other point sources (e.g., tank depots, fuel loading from barges and railyards) all located in the South Coast Air Basin. The SCAQMD will help identify suitable measurement sites located in areas with good access to wind and other meteorological data. Cost estimates for multi-year projects/proposals (e.g., repeated annual/bi-annual measurements) will also be considered.

Project #3: Quantification of Stack Emissions from Marine Vessels

This field campaign will be conducted over a multiple week period to measure “real world” emissions (g/s) of SO₂ and NO₂ and emission factors (g/Kg fuel burnt) of SO₂,

NO_x and particulates from individual ships moving in and out of either the Port of Los Angeles or Long Beach. Land and mobile (i.e. on-vessel) measurements will be carried out using either ORS techniques or more traditional methods including (but not limited to) SO₂, NO_x, CO₂, particulate matter (PM), ultrafine particle (UFP), black carbon (BC) and similar real-time analyzers. Such measurements will then be used to estimate “actual” emission factors for individual ships and total emissions in various modes of ship operation. Cost estimates for multi-year projects/proposals (e.g., repeated annual/bi-annual measurements) will also be considered. The SCAQMD will work with the Ports and other local authorities to facilitate all land- and vessel-based measurements.

Project #4: Seek Services and/or Technical Assistance to Develop a Remote Sensing “Optical Tent” for Continuous Near-Real Time Emissions Monitoring from Refineries
Under contract with SCAQMD, UCLA is currently operating a UV-LED Long Path (LP)-DOAS instrument along the fenceline of the Tesoro refinery in Carson for continuous monitoring of aromatic hydrocarbons, such as benzene, toluene and xylenes. This is the first optical system in the nation demonstrating the capability to reliably measure levels of aromatic hydrocarbons continuously, in near-real time, and with little supervision. While the results to date from this ongoing project are very encouraging, it is also apparent that one instrument operating at a single light path along one side of the refinery fenceline will not be able to capture all releases within the facility. Therefore, in order to maximize the likelihood of detecting emissions from anywhere within the refinery complex, staff is interested in developing an “Optical Tent” around the facility. This could be achieved through multiple LP-DOAS telescopes placed at a high vantage point above the refinery complex and sending light to a network of LED reflectors placed around a facility’s fenceline or some alternative configuration. Such setup would ensure for the continuous 24-hour detection of potential releases from ground level as well as from elevated sources, allowing refineries and chemical operators to promptly identify potential leaks, reduce emissions and substantially improve the existing Leak Detection and Repair (LDAR) program. Furthermore, this would provide early warning and real-time alerts to communities downwind of a refinery. To the best of our knowledge, this would be the first “Optical Tent” VOC detection system ever built in the U.S. This project will include designing, building, installing, operating (for one year) and maintaining this system. Cost estimates for multi-year projects/proposals (e.g., continuous 24-hour operation for multiple years) will also be considered. After the completion of this project, SCAQMD will retain permanent ownership of the LP-DOAS system, the LED reflectors and any other associated hardware and software. This instrument will be used in future programs for localized assessment of total emissions from other refineries. FTIR or other similar ORS technologies/solutions capable of detecting VOC emissions and of other trace gases across the entire refinery perimeter (e.g., 360 degree monitoring) and of measuring total fugitive and stack emissions will also be considered.

Project #5: Development of a Portable Imaging-DOAS to Survey Emissions from Individual Smoke Stacks and Flares

Recently, UCLA has demonstrated that Imaging-DOAS can be used to survey VOC, NO₂ and SO₂ emissions from individual point sources. The SCAQMD is seeking to collaborate with qualified public and/or private organizations to develop a portable, battery-operated Imaging-DOAS and its operating software to make survey scans of smoke stacks, flares and other similar sources. This project will develop, build and demonstrate the capabilities of such a system. SCAQMD will retain permanent ownership of the Imaging-DOAS system and any other associated hardware and software. This instrument will be used in future programs for localized assessment of trace gas emissions.

Issue RFQ

This action is to authorize the Executive Officer to issue an RFQ and execute a purchase order for the purchase of a portable wind LIDAR system. As demonstrated by the pilot study conducted by FluxSense AB in late 2013, it is difficult to assess the total uncertainty of refinery emission measurements at facilities located in the Los Angeles Basin. This is because Southern California is characterized by complex wind patterns, sea breeze circulation and rapidly changing vertical wind profiles, and the correct interpretation of SOF (or other ORS) data relies on the collection and integration of detailed wind profile information. Typical uncertainty for optical column measurements is $\pm 30\%$; however when detailed wind information is not available uncertainties can be as high as $\pm 50\%$ or more. Therefore, since the correct interpretation of ORS data relies on the collection of accurate wind data, this action is also to procure a portable wind LIDAR system for continuous wind profile measurements to complement the wind speed/direction data already available from our existing meteorological network sites. A purchase order will be issued following an RFQ process conducted in accordance with the SCAQMD's Procurement Policy and Procedure. This wind LIDAR system would substantially improve the accuracy of the VOC emission measurements proposed in Projects 1 through 3. This LIDAR will also be used in other programs to study the transport of air pollutants across the Basin and to refine current atmospheric models.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFP and RFQ and inviting bids will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may be notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ will be e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website

(<http://www.aqmd.gov>) where it can be viewed by making the selection “Grants & Bids.”

Bid Evaluation

Proposals will be reviewed and evaluated by a diverse, technically qualified panel of experts in accordance with criteria contained in the RFP.

Benefits to SCAQMD

This proposed work will provide SCAQMD and its stakeholders with advanced capabilities for continuous monitoring of a number of trace gas pollutants in the air in and around the refinery complex, with low detection limits and high temporal resolution. The successful deployment and implementation of these ORS techniques will establish SCAQMD as the first air monitoring agency in the country with such capabilities. The availability of continuous 24-hour near-real time VOC concentrations will further our understanding on sources and magnitudes of fugitive emissions from refineries and will provide the refinery operators with instantaneous feedback in identifying fugitive leaks and improving the efficiency of their LDAR program. Furthermore, the implementation of an “Optical Tent” and of an Imaging-DOAS will serve as an important alarm system to alert nearby communities of accidental releases from petroleum refineries and other large stationary sources. Enhanced monitoring capabilities will greatly contribute to enhancing emission inventory estimates by narrowing the gap between measured and reported fugitive emission levels from refineries. It will also serve as valuable input to improving future air quality model performance and refining future attainments/control strategies and environmental decision-making. In addition, measured data on VOC emissions will allow SCAQMD to refine its air quality forecasting capabilities by better predicting ozone and particle formation in the South Coast Basin.

Resource Impacts

Table 1 lists the five proposed projects included in the RFP as well as the procurement of the wind LIDAR system. Awards under the RFP along with the LIDAR system purchase order are estimated to be approximately \$1,400,000 and will be made from the Rule 1118 Mitigation Fund (54), which has sufficient funds for this project.

Table 1: Estimated Costs for RFP and RFQ

Description	Estimated Cost
Project #1: Quantification of Fugitive Emissions from Large Refineries	\$200,000
Project #2: Quantification of Gaseous Emissions from Gas Stations, Oil Wells and Other Small Point Sources	\$180,000
Project #3: Quantification of Stack Emissions from Marine Vessels	\$160,000
Project #4: Seek Services and/or Technical Assistance to Develop a Remote Sensing “Optical Tent” for Continuous Near-Real Time Emissions Monitoring from Refineries	\$460,000
Project #5: Development of a Portable Imaging-DOAS to Survey Emissions From Individual Smoke Stacks and Flares	\$150,000
Total Estimated Costs (Projects 1 through 5)	\$1,150,000
Portable Wind LIDAR System	\$250,000
Total Estimated Costs (RFP and RFQ)	\$1,400,000

Attachment

RFP #P2015-07 – Application and Development of Advanced Optical Remote Sensing Technologies to Characterize and Quantify Fugitive and Stack Emissions from Refineries and Other Sources

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

REQUEST FOR PROPOSALS

Application and Development of Advanced Optical Remote Sensing Technologies to Characterize and Quantify Fugitive and Stack Emissions from Refineries and Other Sources

#P2015-07

The South Coast Air Quality Management District (SCAQMD) requests proposals for the following purpose according to terms and conditions attached. In the preparation of this Request for Proposals (RFP) the words "Proposer," "Contractor," and "Consultant" are used interchangeably.

PURPOSE

The purpose of this RFP is to solicit proposals from qualified institutions and/or sole individuals for a series of measurement campaigns aimed to fully characterize and quantify fugitive and stack emissions from large refineries and other important sources of VOCs, NO_x and SO₂ including gas stations, oil wells, marine vessels, barges, and rail-yards. This RFP is also to solicit proposals for the development of advanced Optical Remote Sensing (ORS) instrumentations, methods, and capabilities to provide early warning and real-time alerts to schools and communities located downwind of a refinery.

The RFP consists of five major projects aimed to achieve the goals outlined above (see Section V for details). The RFP will allow for contractor to submit proposals on individual or multiple projects. Proposers shall demonstrate ample knowledge and experience in the development, installation, operation and maintenance of advanced ORS instruments and/or associated software and components, as well as experience in the design and setup of field measurement studies employing ORS technology. Proposals will be reviewed and evaluated by a diverse, technically qualified panel of experts in accordance with criteria contained in this RFP.

For Projects 4 and 5, prospective contractors not capable of providing the SCAQMD with a complete "turnkey" project but still interested in assisting SCAQMD staff with the various phases of the development, implementation and/or operation of the proposed ORS systems (e.g. instrumentation, fabrication, software development, integration, and construction) can also apply for these proposals by submitting a list of their qualifications, their hourly rates, a detailed description of the type of services they could provide and associated costs. This information will be used to create a list of qualified contractors that may be asked to work independently or as part of a team to perform one or more functions/tasks within these two projects.

INDEX - The following are contained in this RFP:

Section I	Background/Information
Section II	Contact Person
Section III	Schedule of Events
Section IV	Participation in the Procurement Process
Section V	Statement of Work/Schedule of Deliverables
Section VI	Required Qualifications
Section VII	Proposal Submittal Requirements
Section VIII	Proposal Submission
Section IX	Proposal Evaluation/Contractor Selection Criteria
Section X	Funding
Section XI	Draft Contract

Attachment A - Certifications and Representations

SECTION I: BACKGROUND/INFORMATION

Modern atmospheric optical remote sensing (ORS) techniques offer unique capabilities for monitoring trace gas emissions from point and area sources in near-real time. These spectroscopic methods allow for an absolute determination of the path averaged gas concentration and, for certain applications, a direct determination of emission fluxes. This capability can be especially valuable for fugitive emission sources, which are often extremely challenging to identify and/or quantify. ORS methods do not require instrument calibration and can be used for continuous monitoring of gaseous pollutants from outside of the fence line of a facility, thus avoiding complications due to safety and security constraints.

In the past few years SCAQMD performed two pilot studies to ascertain feasibility of ORS techniques for air quality and emissions monitoring from large refinery complexes. Overall, these projects have demonstrated that ORS techniques can be used to characterize and quantify emissions from refineries. The feasibility of an ORS-based neighborhood alarm system based on the early detection of harmful releases from refineries was also demonstrated. It was also concluded that longer term measurements (e.g. one month to a year), combined with more detailed wind profile information are needed to increase the robustness of emissions estimates, minimize measurement uncertainties, and validate earlier observations.

The recent chemical release and fire that occurred at Chevron's oil refinery in Richmond (CA) in August 2012 proved that it is urgent to develop capabilities for real-time monitoring of Hazardous Air Pollutants (HAPs) in the air in and around refineries. This is especially important for refineries situated in densely populated metropolitan areas such as Los Angeles. The SCAQMD has eight major and minor refineries under its jurisdiction, and while a number of rules, regulations and practices are already in place to assure safe operations and minimize air pollution, adding continuous, real-time monitoring will greatly augment capabilities for early detection and alarm of harmful releases.

In May 2014, US EPA issued a proposed rule that would impose more stringent fugitive emission control requirements of HAPs for flares, coking units and catalytic reforming unit vents of petroleum refineries (<http://www.epa.gov/ttn/atw/petref.html>). To ensure that proposed standards are being met, and to protect public from exposure to harmful HAPs,

EPA is proposing to require monitoring of benzene concentrations (a surrogate for organic HAP fugitive emissions) at the fenceline of refineries using passive sensors network, and collecting 2-week averaged benzene concentrations. EPA also conducted an extensive technology review of recent years' advancements in fenceline monitoring capabilities to assess the feasibility of using ORS techniques for continuous fenceline monitoring of fugitive emissions. In addition to passive and active sampling networks, EPA concluded that UV-DOAS and open-path Fourier Transform InfraRed spectroscopy (FTIR) are feasible and appropriate methods for monitoring long-term organic HAP at the fenceline of a petroleum refinery.

Based on experience gained from previous fenceline monitoring studies and a pressing need for early detection of harmful releases, as well as improved estimates of fugitive emissions, it is prudent to continue to expand SCAQMD's remote sensing capabilities. This RFP is also designed to accomplish this goal.

SECTION II: CONTACT PERSON:

Questions regarding the content or intent of this RFP or on procedural matters should be addressed to:

Dr. Andrea Polidori
Quality Assurance Manager
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3283
Email: apolidori@aqmd.gov

SECTION III: SCHEDULE OF EVENTS

September 5, 2014	RFP Released
October 8, 2014	Proposals Due – by 5:00 pm PST
October 28, 2014	Proposal Evaluations
November 21, 2014	Technology Committee
December 5, 2014	Governing Board Approval
February 3, 2015	Anticipated Contract Execution

SECTION IV: PARTICIPATION IN THE PROCUREMENT PROCESS

A. It is the policy of the South Coast Air Quality Management District to ensure that all businesses including minority business enterprises, women business enterprises, disabled veteran business enterprises and small businesses have a fair and equitable opportunity to compete for and participate in SCAQMD contracts.

B. Definitions:

The definition of minority, women or disadvantaged business enterprises set forth below is included for purposes of determining compliance with the affirmative steps requirement described in Paragraph G below on procurements funded in whole or in part with federal

grant funds which involve the use of subcontractors. The definition provided for disabled veteran business enterprise, local business, small business enterprise, low-emission vehicle business and off-peak hours delivery business are provided for purposes of determining eligibility for point or cost considerations in the evaluation process.

1. "Women business enterprise" (WBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. a business that is at least 51 percent owned by one or more women, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
 - b. a business whose management and daily business operations are controlled by one or more women.
 - c. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
2. "Disabled veteran" as used in this policy is a United States military, naval, or air service veteran with at least 10 percent service-connected disability who is a resident of California.
3. "Disabled veteran business enterprise" (DVBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. is a sole proprietorship or partnership of which at least 51 percent is owned by one or more disabled veterans or, in the case of a publicly owned business, at least 51 percent of its stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
 - b. the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
 - c. is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.
4. "Local business" as used in this policy means a company that has an ongoing business within geographical boundaries of the SCAQMD at the time of bid or proposal submittal and performs 90% of the work related to the contract within the geographical boundaries of the SCAQMD and satisfies the requirements of subparagraph H below.

5. "Small business" as used in this policy means a business that meets the following criteria:
 - a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.
 - b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 and 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.
6. "Joint ventures" as defined in this policy pertaining to certification means that one party to the joint venture is a DVBE or small business and owns at least 51 percent of the joint venture.
7. "Low-Emission Vehicle Business" as used in this policy means a company or contractor that uses low-emission vehicles in conducting deliveries to the SCAQMD. Low-emission vehicles include vehicles powered by electric, compressed natural gas (CNG), liquefied natural gas (LNG), liquefied petroleum gas (LPG), ethanol, methanol, hydrogen and diesel retrofitted with particulate matter (PM) traps.
8. "Off-Peak Hours Delivery Business" as used in this policy means a company or contractor that commits to conducting deliveries to the SCAQMD during off-peak traffic hours defined as between 10:00 a.m. and 3:00 p.m.
9. "Benefits Incentive Business" as used in this policy means a company or contractor that provides janitorial, security guard or landscaping services to the SCAQMD and commits to providing employee health benefits (as defined below in Section VIII.D.2.d) for full time workers with affordable deductible and co-payment terms.
10. "Minority Business Enterprise" as used in this policy means a business that is at least 51 percent owned by one or more minority person(s), or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more or minority persons.
 - a. a business whose management and daily business operations are controlled by one or more minority persons.
 - b. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.

- c. "Minority person" for purposes of this policy, means a Black American, Hispanic American, Native-American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian (including a person whose origins are from India, Pakistan, and Bangladesh), Asian-Pacific-American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, and Taiwan).

11. Disadvantaged Business Enterprise" as used in this policy means a business that is an entity owned and/or controlled by a socially and economically disadvantaged individual(s) as described by Title X of the Clean Air Act Amendments of 1990 (42 U.S.C. 7601 note) (10% statute), and Public Law 102-389 (42 U.S.C. 4370d)(8% statute), respectively;
a Small Business Enterprise (SBE);
a Small Business in a Rural Area (SBRA);
a Labor Surplus Area Firm (LSAF); or
a Historically Underutilized Business (HUB) Zone Small Business Concern, or a concern under a successor program.

- C. Under Request for Quotations (RFQ), DVBEs, DVBE business joint ventures, small businesses, and small business joint ventures shall be granted a preference in an amount equal to 5% of the lowest cost responsive bid. Low-Emission Vehicle Businesses shall be granted a preference in an amount equal to 5 percent of the lowest cost responsive bid. Off-Peak Hours Delivery Businesses shall be granted a preference in an amount equal to 2 percent of the lowest cost responsive bid. Local businesses (if the procurement is not funded in whole or in part by federal grant funds) shall be granted a preference in an amount equal to 2% of the lowest cost responsive bid.
- D. Under Request for Proposals, DVBEs, DVBE joint ventures, small businesses, and small business joint ventures shall be awarded ten (10) points in the evaluation process. A non-DVBE or large business shall receive seven (7) points for subcontracting at least twenty-five (25%) of the total contract value to a DVBE and/or small business. Low-Emission Vehicle Businesses shall be awarded five (5) points in the evaluation process. On procurements which are not funded in whole or in part by federal grant funds local businesses shall receive five (5) points. Off-Peak Hours Delivery Businesses shall be awarded two (2) points in the evaluation process.
- E. SCAQMD will ensure that discrimination in the award and performance of contracts does not occur on the basis of race, color, sex, national origin, marital status, sexual preference, creed, ancestry, medical condition, or retaliation for having filed a discrimination complaint in the performance of SCAQMD contractual obligations.
- F. SCAQMD requires Contractor to be in compliance with all state and federal laws and regulations with respect to its employees throughout the term of any awarded contract, including state minimum wage laws and OSHA requirements.
- G. When contracts are funded in whole or in part by federal funds, and if subcontracts are to be let, the Contractor must comply with the following, evidencing a good faith effort to solicit disadvantaged businesses. Contractor shall submit a certification signed by an authorized official affirming its status as a MBE or WBE, as applicable, at the time of contract execution. The SCAQMD reserves the right to request documentation demonstrating compliance with the following good faith efforts prior to contract execution.

1. Ensure Disadvantaged Business Enterprises (DBEs) are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
 2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
 3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and Local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
 4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
 5. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
 6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.
- H. To the extent that any conflict exists between this policy and any requirements imposed by federal and state law relating to participation in a contract by a certified MBE/WBE/DVBE as a condition of receipt of federal or state funds, the federal or state requirements shall prevail.
- I. When contracts are not funded in whole or in part by federal grant funds, a local business preference will be awarded. For such contracts that involve the purchase of commercial off-the-shelf products, local business preference will be given to suppliers or distributors of commercial off-the-shelf products who maintain an ongoing business within the geographical boundaries of the SCAQMD. However, if the subject matter of the RFP or RFQ calls for the fabrication or manufacture of custom products, only companies performing 90% of the manufacturing or fabrication effort within the geographical boundaries of the SCAQMD shall be entitled to the local business preference.
- J. In compliance with federal fair share requirements set forth in 40 CFR Part 33, the SCAQMD shall establish a fair share goal annually for expenditures with federal funds covered by its procurement policy.

SECTION V: STATEMENT OF WORK/SCHEDULE OF DELIVERABLES

Project #1: Quantification of Fugitive Emissions from Large Refineries

Proposals are being solicited for an approximately five-week long measurement campaign aimed to quantify total facility-wide emissions of non-methane VOC, nitrogen oxides (NO_x), sulfur dioxide (SO₂), and methane from one or more oil refining facilities in the Los Angeles Basin using one or more of the following ORS methods: DOAS, Solar Occultation Flux (SOF), FTIR, and Differential Absorption LIDAR (DIAL). As a result of this campaign, a measurement-based estimate of facility-wide emissions for the above-mentioned trace gases shall be obtained and compared with the corresponding emission inventory values. If discrepancies are found, lead causes shall be investigated.

Contractor(s) shall perform the following tasks:

1. ORS measurements shall be performed at the fenceline as well as inside the facility(s) for the entire duration of this campaign
2. Preferably, a combination of two or more of the above mentioned ORS techniques shall be used to allow for the identification of a wider array of gaseous species as well as for data inter-comparison
3. In order to validate the accuracy of the fenceline measurements a Federal Reference Method (FRM) or equivalent (if feasible) shall be employed to compare observed emission profiles. Alternatively, a trace gas study can be employed whereby known amounts of one or more inert traceable gases should be released from near the monitoring area and quantified using the same ORS method(s) selected for this project. Provided it is approved by SCAQMD, that Contractor can propose the use of other methods to validate measurement accuracy
4. Provide evidence/demonstrate that observed measurements are free of any potential interference from other local sources
5. Provide raw data, Standard Operating Procedures (SOPs), protocols, other related quality assurance/quality control documentation and the methodology used to derive quantified emissions
6. Meteorological data shall be collected in order to quantify emissions and to facilitate data interpretation
7. SCAQMD will assist in obtaining the necessary permits to access the facility(s)
8. Fugitive emissions of the above mentioned trace gases shall be quantified based on the collected ORS and meteorological data and compared to the reported annual emission inventory values

9. During the campaign, contractor(s) shall work in close collaboration with SCQMD Staff. Weekly phone meetings shall be held between the contractor(s) and SCAQMD Staff to discuss and resolve potential issues related to the measurements performed
10. Contractor(s) shall submit a final report to SCAQMD no later than one month after completion of this project

The cost of this project is estimated at \$200,000. Cost estimates for multi-year projects/proposals (e.g. repeated annual/bi-annual measurements) will also be considered.

Project #2: Quantification of Gaseous Emissions from Gas Stations, Oil Wells, and Other Small Point Sources

Proposals are being solicited for an approximately five-week long measurement campaign aimed to characterize and quantify methane and non-methane VOC emissions from small point sources (primarily gas stations and oil wells).

Contractor(s) shall perform the following tasks:

1. Contractor(s) shall perform measurements at 50 to 100 oil wells, 20 to 40 gas stations and, possibly, at several other point sources (e.g. tank depots, fuel loading from barges, and rail-yards) located in the South Coast Air Basin using one or more of the following ORS techniques: DOAS, SOF, and FTIR
2. Preferably, a mobile platform such as a car, van, or truck retrofitted to accommodate the ORS instrument(s) shall be used to perform these measurement(s)
3. In order to validate the accuracy of the fenceline measurements a Federal Reference Method (FRM) or equivalent (if feasible) shall be employed to compare observed emission profiles. Alternatively, a trace gas study can be employed whereby known amounts of one or more inert traceable gases should be released from near the monitoring area and quantified using the same ORS method(s) selected for this project. Provided it is approved by SCAQMD, that Contractor can propose the use of other methods to validate measurement accuracy
4. Provide evidence/demonstrate that observed measurements are free of any potential interference from other local sources
5. Provide raw data, Standard Operating Procedures (SOPs), protocols, other related quality assurance/quality control documentation and the methodology used to derive quantified emissions
6. The SCAQMD will help identifying suitable measurement sites located in areas with good access to wind and other meteorological data

7. Contractor(s) shall provide regular updates to SCAQMD Staff on preliminary results. Sampling sites/locations shall be added, removed, or revisited based on preliminary results
8. Contractor(s) shall submit a final report to SCAQMD no later than one month after completion of this project

The cost of this project is estimated at \$180,000. Cost estimates for multi-year projects/proposals (e.g. repeated annual/bi-annual measurements) will also be considered.

Project #3: Quantification of Stack Emissions from Marine Vessels

Proposals are being solicited for an approximately four-week measurement long campaign aimed to characterize and quantify emissions from ships moving in and out of the Los Angeles Port area. Stationary (i.e. land-based) and/or mobile (i.e. on-vessel) measurements shall be carried out using ORS techniques and/or more traditional "in-situ" instruments including (but not limited to) SO₂, NO_x, CO₂, particulate matter (PM), black carbon (BC), and similar real-time analyzers. Measurement-based estimates of ship emissions shall be obtained and compared with reported emissions. If discrepancies are found, lead causes shall be investigated.

Contractor(s) shall perform the following tasks:

1. Measurements from individual ships moving in and out of the Los Angeles and/or Long Beach Ports shall be taken in order to determine "actual" emission (g/s) of SO₂ and NO₂ and emission factors (g/Kg fuel burnt) of SO₂, NO_x and particulates during various modes of ship operation
2. If stationary (i.e. land-based) measurements are to be conducted, a fixed monitoring station shall be set-up at an appropriate site located within the boundaries of the Los Angeles or Long Beach Port area. If mobile (i.e. on-vessel) measurements are to be conducted, instrument(s) shall be set-up on board of one or more selected vessels
3. In order to validate the accuracy of the fenceline measurements a Federal Reference Method (FRM) or equivalent (if feasible) shall be employed to compare observed emission profiles. Alternatively, a trace gas study can be employed whereby known amounts of one or more inert traceable gases should be released from near the monitoring area and quantified using the same ORS method(s) selected for this project. Provided it is approved by SCAQMD, that Contractor can propose the use of other methods to validate measurement accuracy
4. Provide evidence/demonstrate that observed measurements are free of any potential interference from other local sources
5. Provide raw data, Standard Operating Procedures (SOPs), protocols, other related quality assurance/quality control documentation and the methodology used to derive quantified emissions

6. The SCAQMD will work with the Ports and other local authorities to facilitate all land- and/or vessel-based measurements
7. During the field experiment contractor(s) shall provide regular updates to the SCAQMD Staff on preliminary results. Sampling locations can be added, removed, or revisited based on preliminary results
8. Contractor(s) shall submit a final report to the SCAQMD no later than one month after completion of the study

The cost of this project is estimated at \$160,000. Cost estimates for multi-year projects/proposals (e.g. repeated annual/bi-annual measurements) will also be considered.

Project #4: Seek Services and/or Technical Assistance to Develop a Remote Sensing “Optical Tent” for Continuous Near-real Time Emissions Monitoring from Refineries

This project is aimed to further implement ORS techniques for refinery monitoring by developing a system for continuous (24-hr), real-time or near-real time monitoring of aromatic hydrocarbons and other gaseous pollutants from anywhere within the refinery complex. Such a setup calls for the deployment of one or more optical telescopes within the refinery property or at the refinery fenceline, on multiple light paths, in order to maximize likelihood of detecting harmful emissions from anywhere within the refinery perimeter (e.g. from ground-level as well as from elevated sources), essentially creating an “Optical tent” around the facility. As a result, refinery-related levels of aromatic hydrocarbons, ozone and other trace gases will be monitored continuously (24-hr) around the refinery. Should elevated levels of these pollutants be detected, an automated notification will be sent to both the refinery and the SCAQMD to allow chemical operators at the facility to promptly identify potential leaks, and to provide early warning and real-time alerts to schools and communities downwind of the refinery.

Contractor(s) interested in developing and implementing a complete “turnkey” project shall perform the following tasks:

1. Contractor(s) shall develop and/or build an “active” ORS system comprised of multiple telescopes (e.g. LP-DOAS, FTIR) placed at a high vantage point above the refinery complex and sending light to a network of reflectors (e.g. LED) placed around facility’s fenceline. Other “active” or “passive” ORS technologies/systems/solutions capable of detecting emission of VOCs and other trace gases across the entire refinery perimeter (e.g. 360⁰ monitoring) will also be considered.
2. Contractor(s) shall provide all necessary hardware and software to develop a “Optical Tent” around the selected refinery
3. SCAQMD will provide guidance and assistance with selection of the facility(s) suitable for an “Optical Tent” pilot study implementation. SCAQMD will also assist with

obtaining the facility's cooperation on this project, as well as all necessary permits for the "Optical Tent" deployment and setup

4. The "Optical Tent" system developed under this contract shall be able to reliably detect and quantify aromatic hydrocarbons and other VOCs, ozone, and possibly other trace gases, continuously (24-hr), in real- or near-real time, for extended periods of time, and at low detection limits. Desired detection limits for selected compounds shall be at least as low as those indicated in the Table below:

Trace Gas	Detection Limit
SO ₂	0.5 ppb
NO ₂	1 ppb
O ₃	2 ppb
HCHO	3 ppb
Benzene	0.15 ppb
Toluene	0.3 ppb
Xylene (o/m/p)	2 / 0.5 / 0.2 ppb
Phenol	0.02 ppb
Benzaldehyde	0.1 ppb

5. ORS systems that also allow for the quantification of total facility-wide emissions of VOCs and other trace gases are highly desirable
6. Contractors(s) involved in the project shall submit quarterly progress report to the SCAQMD and participate in bi-weekly project update teleconferences
7. Final report(s) shall be provided to SCAQMD no later than one month after completion of this project
8. SCAQMD will retain permanent ownership of the ORS system and of any other associated hardware and software

The development and implementation of the proposed "Optical tent" system should be completed in six (6) to twelve (12) months. The cost of designing, building, installing, operating (for one year), and maintaining this system is estimated at \$460,000. Cost estimates for multi-year projects/proposals (e.g. continuous 24-hr operation for multiple years) will also be considered.

Prospective contractors not capable of providing the SCAQMD with a complete "turnkey" project but still interested in assisting SCAQMD staff with the various phases of the development, implementation and/or operation of an "Optical Tent" system (e.g. instrumentation, fabrication, software development, integration, and construction) can also apply for this proposal by submitting a list of their qualifications, their hourly rates, a detailed description of the type of services they could provide and associated costs. This information will be used to create a list of qualified contractors that may be asked to work independently or as part of a team to perform one or more functions/tasks within this project.

Project #5: Development of a Portable Imaging-DOAS system to Survey Emissions from Individual Smoke Stacks and Flares

This project is calling for proposals to develop and build a portable, battery-operated imaging system based on Differential Optical Absorption Spectroscopy (I-DOAS) that will remotely measure source-specific emissions (i.e. mass/hour) of HCHO, SO₂ and NO₂ from smoke stacks, flares, and other similar sources. A database of observation-based emissions of HCHO, SO₂, and NO₂ from flares and smoke stacks shall be obtained and compared with reported emissions. If discrepancies are found, lead causes shall be investigated.

Contractor(s) interested in developing and implementing a complete “turnkey” project shall perform the following tasks:

1. The contractor(s) shall build a portable, battery-operated I-DOAS system and provide (or develop) an operating software for data acquisition and on-line analysis
2. The I-DOAS system shall be coupled with a digital camera and be able to overlay the results of spectral analysis with a video of the measurement area
3. Desired minimum detection limits for measured slant column densities of the I-DOAS system shall be as follows: HCHO: 0.15×10^{16} molecules/cm²; SO₂: 0.5×10^{16} molecules/cm²; NO₂: 0.1×10^{16} molecules/cm². The desired spectral resolution of the I-DOAS system shall be 0.6 nm or better
4. After the I-DOAS system is built, the contractor(s) shall perform measurements at smoke stacks, flares, ship stacks or similar sources for a minimum of 15 days to validate the instrument performance and to complement the measurements outlined in Projects 1 through 4
5. The contractor(s) shall work in close collaboration with SCAQMD staff, submit quarterly progress reports, and participate in bi-weekly project update teleconferences
6. A final report shall be provided to SCAQMD no later than one month after the completion of this project
7. SCAQMD will retain permanent ownership of the Imaging-DOAS system and any other associated hardware and software

The development and implementation of the proposed Imaging-DOAS system should be completed in approximately six (6) months. The cost of developing, building, and demonstrating the full capabilities of this system is estimated at \$150,000.

Prospective contractors not capable of providing the SCAQMD with a complete “turnkey” project but still interested in assisting SCAQMD staff with the various phases of the development, implementation and/or operation of an Imaging-DOAS system (e.g. instrumentation, fabrication, software development, integration, and construction) can

also apply for this proposal by submitting a list of their qualifications, their hourly rates, a detailed description of the type of services they could provide and associated costs. This information will be used to create a list of qualified contractors that may be asked to work independently or as part of a team to perform one or more functions/tasks within this project.

SECTION VI: REQUIRED QUALIFICATIONS

- A. Persons or firms submitting proposals on all or part of the five above mentioned projects must be qualified and experienced in the deployment, operation, maintenance and development of ORS instruments and/or their components (e.g. operating software). Proposers also have to have ample experience in field site setup as well as performing field measurements.
- B. Proposers must submit the following:
1. Resumes or similar statement of qualifications of person or persons who may be designated as leads
 2. Summary of proposer's general qualifications to meet required qualifications and fulfill statement of work
 3. List of clients to whom similar services were provided in the past

SECTION VII: PROPOSAL SUBMITTAL REQUIREMENTS

Submitted proposals must follow the format outlined below and all requested information must be supplied. Failure to submit proposals in the required format will result in elimination from proposal evaluation.

Each proposal must be submitted in three separate volumes:

- Volume I - Technical Proposal
- Volume II - Cost Proposal
- Volume III - Certifications and Representations included in Attachment A to this RFP, should be executed by an authorized official of the Contractor.

A separate cover letter including the name, address, and telephone number of the contractor, and signed by the person or persons authorized to represent the firm should accompany the proposal submission. Firm contact information as follows should also be included in the cover letter:

1. Address and telephone number of office in, or nearest to, Diamond Bar, California.
2. Name and title of firm's representative designated as contact.

A separate Table of Contents should be provided for Volumes I and II.

VOLUME I - TECHNICAL PROPOSAL

DO NOT INCLUDE ANY COST INFORMATION IN THE TECHNICAL VOLUME

Summary (Section A) - State overall approach to meeting the objectives and satisfying the scope of work to be performed, the sequence of activities, and a description of methodology or techniques to be used, including the specific pollutants to be measured and corresponding detection levels.

Program Schedule (Section B) - Provide projected milestones or benchmarks within the total time allowed.

Project Organization (Section C) - Describe the proposed management structure, program monitoring procedures, and organization of the proposed team.

Qualifications (Section D) - Describe the technical capabilities of the institution. Provide references of other similar studies performed during the last five years demonstrating ability to successfully complete the project. Include contact name, title, and telephone number for any references listed. Provide a statement of your institution's background and experience in performing similar projects for other governmental organizations.

Assigned Personnel (Section E) - Provide the following information on the staff to be assigned to this project:

1. List all key personnel assigned to the project by level and name. Provide a resume or similar statement of the qualifications of the lead person and all persons assigned to the project. Substitution of project manager or lead personnel will not be permitted without prior written approval of SCAQMD.
2. Provide a spreadsheet of the labor hours proposed for each labor category at the task level.
3. Provide a statement indicating whether or not 90% of the work will be performed within the geographical boundaries of the SCAQMD.
4. Provide a statement of the education and training program provided by, or required of, the staff identified for participation in the project, particularly with reference to management consulting, governmental practices and procedures, and technical matters.
5. Provide a summary of your institution's general qualifications to meet required qualifications and fulfill statement of work, including additional personnel and resources beyond those who may be assigned to the project.

Subcontractors (Section F) - This project may require expertise in multiple technical areas. List any subcontractors that may be used and the work to be performed by them.

Conflict of Interest (Section G) - Address possible conflicts of interest with other clients affected by actions performed by the firm on behalf of SCAQMD. Although the Proposer will not be automatically disqualified by reason of work performed for such firms, SCAQMD reserves the right to consider the nature and extent of such work in evaluating the proposal.

Additional Data (Section H) - Provide other essential data that may assist in the evaluation of this proposal.

VOLUME II - COST PROPOSAL

Name and Address - The Cost Proposal must list the name and complete address of the Proposer in the upper left-hand corner.

Cost Proposal – SCAQMD anticipates awarding a fixed price contract. Cost information must be provided as listed below:

1. Detail must be provided by the following categories:
 - A. Labor - List the total number of hours and the hourly billing rate for each level of professional staff. A breakdown of the proposed billing rates must identify the direct labor rate, overhead rate and amount, fringe benefit rate and amount, General and Administrative rate and amount, and proposed profit or fee. Provide a basis of estimate justifying the proposed labor hours and proposed labor mix.
 - B. Subcontractor Costs - List subcontractor costs and identify subcontractors by name. Itemize subcontractor charges per hour or per day.
 - C. Travel Costs - Indicate amount of travel cost and basis of estimate to include trip destination, purpose of trip, length of trip, airline fare or mileage expense, per diem costs, lodging and car rental.
 - D. Other Direct Costs -This category may include such items as postage and mailing expense, printing and reproduction costs, etc. Provide a basis of estimate for these costs.

VOLUME III - CERTIFICATIONS AND REPRESENTATIONS (see Attachment A to this RFP)

SECTION VIII: PROPOSAL SUBMISSION

All proposals must be submitted according to specifications set forth in the section above. Failure to adhere to these specifications may be cause for rejection of proposal.

Signature - All proposals should be signed by an authorized representative of the Proposer.

Due Date - The Proposer shall submit four (4) complete copies of the proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the Proposer and the words "Request for Proposals #2015-07." **All proposals are due no later than 5:00 p.m., October 8, 2014, and should be directed to:**

Procurement Unit
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3520

Late bids/proposals will not be accepted under any circumstances.

Grounds for Rejection - A proposal may be immediately rejected if:

- It is not prepared in the format described, or
- It is signed by an individual not authorized to represent the firm.

Modification or Withdrawal - Once submitted, proposals cannot be altered without the prior written consent of SCAQMD. All proposals shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the last day to accept proposals.

SECTION IX: PROPOSAL EVALUATION/CONTRACTOR SELECTION CRITERIA

- A. Proposals will be evaluated by a panel of three to five SCAQMD staff members familiar with the subject matter of the project. The panel shall be appointed by the Executive Officer or his designee. In addition, the evaluation panel may include such outside public sector or academic community expertise as deemed desirable by the Executive Officer. The panel will make a recommendation to the Executive Officer and/or the Governing Board of the SCAQMD for final selection of a contractor and negotiation of a contract.
- B. Each member of the evaluation panel shall be accorded equal weight in his or her rating of proposals. The evaluation panel members shall evaluate the proposals according to the specified criteria and numerical weightings set forth below.

1. Proposal Evaluation Criteria

R&D Projects Requiring Technical or Scientific Expertise, or Special Projects Requiring Unique Knowledge or Abilities

Understanding the Problem	20
Technical/Management Approach	20
Contractor Qualifications	20
Previous Experience on Similar Projects	10
Cost	<u>30</u>
TOTAL	100

Additional Points

Small Business or Small Business Joint Venture	10
DVBE or DVBE Joint Venture	10
Use of DVBE or Small Business Subcontractors	7
Low-Emission Vehicle Business	5
Local Business (Non-Federally Funded Projects Only)	5
Off-Peak Hours Delivery Business	2

The cumulative points awarded for small business, DVBE, use of small business or DVBE subcontractors, low-emission vehicle business, local business, and off-peak hours delivery business shall not exceed 15 points.

Self-Certification for Additional Points

The award of these additional points shall be contingent upon Proposer completing the Self-Certification section of Attachment A – Certifications and Representations and/or inclusion of a statement in the proposal self-certifying that Proposer qualifies for additional points as detailed above.

2. To receive additional points in the evaluation process for the categories of Small Business or Small Business Joint Venture, DVBE or DVBE Joint Venture or Local Business (for non-federally funded projects), the proposer must submit a self-certification or certification from the State of California Office of Small Business Certification and Resources at the time of proposal submission certifying that the proposer meets the requirements set forth in Section III. To receive points for the use of DVBE and/or Small Business subcontractors, at least 25 percent of the total contract value must be subcontracted to DVBEs and/or Small Businesses. To receive points as a Low-Emission Vehicle Business, the proposer must demonstrate to the Executive Officer, or designee, that supplies and materials delivered to the SCAQMD are delivered in vehicles that operate on either clean-fuels or if powered by diesel fuel, that the vehicles have particulate traps installed. To receive points as an Off-Peak Hours Delivery Business, the proposer must submit, at proposal submission, certification of its commitment to delivering supplies and materials to SCAQMD between the hours of 10:00 a.m. and 3:00 p.m. The cumulative points awarded for small business, DVBE, use of Small Business or DVBE Subcontractors, Local Business, Low-Emission Vehicle Business and Off-Peak Hour Delivery Business shall not exceed 15 points.

The Procurement Section will be responsible for monitoring compliance of suppliers awarded purchase orders based upon use of low-emission vehicles or off-peak traffic hour delivery commitments through the use of vendor logs which will identify the contractor awarded the incentive. The purchase order shall incorporate terms which obligate the supplier to deliver materials in low-emission vehicles or deliver during off-peak traffic hours. The Receiving department will monitor those qualified supplier deliveries to ensure compliance to the purchase order requirements. Suppliers in non-compliance will be subject to a two percent of total purchase order value penalty. The Procurement Manager will adjudicate any disputes regarding either low-emission vehicle or off-peak hour deliveries.

3. For procurement of Research and Development (R & D) projects or projects requiring technical or scientific expertise or special projects requiring unique knowledge and abilities, technical factors including past experience shall be weighted at 70 points and cost shall be weighted at 30 points. A proposal must receive at least 56 out of 70 points on R & D projects and projects requiring

technical or scientific expertise or special projects requiring unique knowledge and abilities, in order to be deemed qualified for award.

4. The lowest cost proposal will be awarded the maximum cost points available and all other cost proposals will receive points on a prorated basis. For example if the lowest cost proposal is \$1,000 and the maximum points available are 30 points, this proposal would receive the full 30 points. If the next lowest cost proposal is \$1,100 it would receive 27 points reflecting the fact that it is 10% higher than the lowest cost (90% of 30 points = 27 points).
- C. During the selection process the evaluation panel may wish to interview some proposers for clarification purposes only. No new material will be permitted at this time. Additional information provided during the bid review process is limited to clarification by the Proposer of information presented in his/her proposal, upon request by SCAQMD.
- D. The Executive Officer or Governing Board may award the contract to a Proposer other than the Proposer receiving the highest rating in the event the Governing Board determines that another Proposer from among those technically qualified would provide the best value to SCAQMD considering cost and technical factors. The determination shall be based solely on the Evaluation Criteria contained in the Request for Proposal (RFP), on evidence provided in the proposal and on any other evidence provided during the bid review process.
- E. Selection will be made based on the above-described criteria and rating factors. The selection will be made by and is subject to Executive Officer or Governing Board approval. Proposers may be notified of the results by letter.
- F. The Governing Board has approved a Bid Protest Procedure which provides a process for a bidder or prospective bidder to submit a written protest to the SCAQMD Procurement Manager in recognition of two types of protests: Protest Regarding Solicitation and Protest Regarding Award of a Contract. Copies of the Bid Protest Policy can be secured through a request to the SCAQMD Procurement Department.
- G. The Executive Officer or Governing Board may award contracts to more than one proposer if in (his or their) sole judgment the purposes of the (contract or award) would best be served by selecting multiple proposers.
- H. If additional funds become available, the Executive Officer or Governing Board may increase the amount awarded. The Executive Officer or Governing Board may also select additional proposers for a grant or contract if additional funds become available.
- I. Disposition of Proposals – Pursuant to the District's Procurement Policy and Procedure, SCAQMD reserves the right to reject any or all proposals. All proposals become the property of SCAQMD, and are subject to the California Public Records Act. One copy of the proposal shall be retained for SCAQMD files. Additional copies and materials will be returned only if requested and at the proposer's expense.

SECTION X: FUNDING

The total funding for the work contemplated by this RFP will be a maximum **\$1,150,000**. Maximum award for each project are outlined in the table below:

Description	Maximum Award
Project #1: Quantification of Fugitive Emissions from Large Refineries	\$200,000
Project #2: Quantification of Gaseous Emissions from Gas Stations, Oil Wells, and Other Small Point Sources	\$180,000
Project #3: Quantification of Stack Emissions from Marine Vessels	\$160,000
Project #4: Seek Services and/or Technical Assistance to Develop a Remote Sensing “Optical Tent” for Continuous Near-real Time Emissions Monitoring from Refineries	\$460,000
Project #5: Development of a Portable Imaging-DOAS to Survey Emissions From Individual Smoke Stacks and Flares	\$150,000
Total funding available	\$1,150,000

SECTION XI: DRAFT CONTRACT (Provided as a sample only)



**South Coast
Air Quality Management District**

This Contract consists of *** pages.

1. PARTIES - The parties to this Contract are the South Coast Air Quality Management District (referred to here as "SCAQMD") whose address is 21865 Copley Drive, Diamond Bar, California 91765-4178, and *** (referred to here as "CONTRACTOR") whose address is ***.
2. RECITALS
 - A. SCAQMD is the local agency with primary responsibility for regulating stationary source air pollution within the geographical boundaries of the South Coast Air Quality Management District in the State of California. SCAQMD is authorized to enter into this Contract under California Health and Safety Code Section 40489. SCAQMD desires to contract with CONTRACTOR for services described in Attachment 1 - Statement of Work, attached here and made a part here by this reference. CONTRACTOR warrants that it is well-qualified and has the experience to provide such services on the terms set forth here.
 - B. CONTRACTOR is authorized to do business in the State of California and attests that it is in good tax standing with the California Franchise Tax Board.
 - C. All parties to this Contract have had the opportunity to have this Contract reviewed by their attorney.
3. PERFORMANCE REQUIREMENTS
 - A. CONTRACTOR agrees to obtain and maintain the required licenses, permits, and all other appropriate legal authorizations from all applicable federal, state and local jurisdictions and pay all applicable fees. CONTRACTOR further agrees to immediately notify SCAQMD in writing of any change in its licensing status which has a material impact on the CONTRACTOR's performance under this Contract.
 - B. CONTRACTOR shall submit reports to SCAQMD as outlined in Attachment 1 - Statement of Work. All reports shall be submitted in an environmentally friendly format: recycled paper; stapled, not bound; black and white, double-sided print; and no three-ring, spiral, or plastic binders or cardstock covers. SCAQMD reserves the right to review, comment, and request changes to any report produced as a result of this Contract.
 - C. CONTRACTOR shall perform all tasks set forth in Attachment 1 - Statement of Work, and shall not engage, during the term of this Contract, in any performance of work that is in direct or indirect conflict with duties and responsibilities set forth in Attachment 1 - Statement of Work.
 - D. CONTRACTOR shall be responsible for exercising the degree of skill and care customarily required by accepted professional practices and procedures subject to SCAQMD's final approval which SCAQMD will not unreasonably withhold. Any costs incurred due to the failure to meet the foregoing standards, or otherwise defective services which require re-performance, as directed by SCAQMD, shall be the responsibility of CONTRACTOR. CONTRACTOR's failure to achieve the performance goals and objectives stated in Attachment 1- Statement of Work, is not a basis for requesting re-performance unless work conducted by CONTRACTOR is deemed by SCAQMD to have failed the foregoing standards of performance.
 - E. CONTRACTOR shall post a performance bond in the amount of *** Dollars (\$***) from a surety authorized to issue such bonds within the State.
 - F. SCAQMD has the right to review the terms and conditions of the performance bond and to request modifications thereto which will ensure that SCAQMD will be compensated in the event CONTRACTOR

fails to perform and also provides SCAQMD with the opportunity to review the qualifications of the entity designated by the issuer of the performance bond to perform in CONTRACTOR's absence and, if necessary, the right to reject such entity.

G. CONTRACTOR shall require its subcontractors to abide by the requirements set forth in this Contract.

4. TERM - The term of this Contract is from the date of execution by both parties (or insert date) to ***, unless further extended by amendment of this Contract in writing. No work shall commence until this Contract is fully executed by all parties.

5. TERMINATION

A. In the event any party fails to comply with any term or condition of this Contract, or fails to provide services in the manner agreed upon by the parties, including, but not limited to, the requirements of Attachment 1 – Statement of Work, this failure shall constitute a breach of this Contract. The non-breaching party shall notify the breaching party that it must cure this breach or provide written notification of its intention to terminate this contract. Notification shall be provided in the manner set forth in Clause 11. The non-breaching party reserves all rights under law and equity to enforce this contract and recover damages.

B. SCAQMD reserves the right to terminate this Contract, in whole or in part, without cause, upon thirty (30) days' written notice. Once such notice has been given, CONTRACTOR shall, except as and to the extent or directed otherwise by SCAQMD, discontinue any Work being performed under this Contract and cancel any of CONTRACTOR's orders for materials, facilities, and supplies in connection with such Work, and shall use its best efforts to procure termination of existing subcontracts upon terms satisfactory to SCAQMD. Thereafter, CONTRACTOR shall perform only such services as may be necessary to preserve and protect any Work already in progress and to dispose of any property as requested by SCAQMD.

C. CONTRACTOR shall be paid in accordance with this Contract for all Work performed before the effective date of termination under Clause 5.B. Before expiration of the thirty (30) days' written notice, CONTRACTOR shall promptly deliver to SCAQMD all copies of documents and other information and data prepared or developed by CONTRACTOR under this Contract with the exception of a record copy of such materials, which may be retained by CONTRACTOR.

6. STOP WORK – SCAQMD may, at any time, by written notice to CONTRACTOR, require CONTRACTOR to stop all or any part of the work tasks in this Contract. A stop work order may be issued for reasons including, but not limited to, the project exceeding the budget, out of scope work, delay in project schedule, or misrepresentations. Upon receipt of the stop work order, CONTRACTOR shall immediately take all necessary steps to comply with the order. CONTRACTOR shall resume the work only upon receipt of written instructions from SCAQMD cancelling the stop work order. CONTRACTOR agrees and understands that CONTRACTOR will not be paid for performing work while the stop work order is in effect, unless SCAQMD agrees to do so in its written cancellation of the stop work order.

7. INSURANCE

A. CONTRACTOR shall furnish evidence to SCAQMD of workers' compensation insurance for each of its employees, in accordance with either California or other states' applicable statutory requirements prior to commencement of any work on this Contract.

B. CONTRACTOR shall furnish evidence to SCAQMD of general liability insurance with a limit of at least \$1,000,000 per occurrence, and \$2,000,000 in a general aggregate prior to commencement of any work on this Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given by CONTRACTOR to SCAQMD.

- C. CONTRACTOR shall furnish evidence to SCAQMD of automobile liability insurance with limits of at least \$100,000 per person and \$300,000 per accident for bodily injuries, and \$50,000 in property damage, or \$1,000,000 combined single limit for bodily injury or property damage, prior to commencement of any work on this Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given by CONTRACTOR to SCAQMD.
 - D. CONTRACTOR shall furnish evidence to SCAQMD of Professional Liability Insurance with an aggregate limit of not less than \$5,000,000. [OPTIONAL FOR PROFESSIONAL SERVICES – USE FOR LAW FIRMS AND SOFTWARE RELATED CONTRACTS]
 - E. If CONTRACTOR fails to maintain the required insurance coverage set forth above, SCAQMD reserves the right either to purchase such additional insurance and to deduct the cost thereof from any payments owed to CONTRACTOR or terminate this Contract for breach.
 - F. All insurance certificates should be mailed to: SCAQMD Risk Management, 21865 Copley Drive, Diamond Bar, CA 91765-4178. **The SCAQMD Contract Number must be included on the face of the certificate.**
 - G. CONTRACTOR must provide updates on the insurance coverage throughout the term of the Contract to ensure that there is no break in coverage during the period of contract performance. Failure to provide evidence of current coverage shall be grounds for termination for breach of Contract.
8. **INDEMNIFICATION** - CONTRACTOR agrees to hold harmless, defend and indemnify SCAQMD, its officers, employees, agents, representatives, and successors-in-interest against any and all loss, damage, costs, lawsuits, claims, demands, causes of action judgments, attorney's fees, or any other expenses arising from or related to any third party claim against SCAQMD, its officers, employees, agents, representatives, or successors in interest that arise or result in whole or in part, from any actual or alleged act or omission of CONTRACTOR, its employees, subcontractors, agents or representatives in the performance of this Contract.
9. **CO-FUNDING** [USE IF REQUIRED]
- A. CONTRACTOR shall obtain co-funding as follows: ***, *** Dollars (\$***); ***, *** Dollars (\$***); ***, *** Dollars (\$***); ***, *** Dollars (\$***); ***, *** Dollars (\$***); and ***, *** Dollars (\$***).
 - B. If CONTRACTOR fails to obtain co-funding in the amount(s) referenced above, then SCAQMD reserves the right to renegotiate or terminate this Contract.
 - C. CONTRACTOR shall provide co-funding in the amount of *** Dollars (\$***) for this project. If CONTRACTOR fails to provide this co-funding, then SCAQMD reserves the right to renegotiate or terminate this Contract.
10. **PAYMENT**
[FIXED PRICE]-use this one or the T&M one below.
- A. SCAQMD shall pay CONTRACTOR a fixed price of *** Dollars (\$***) for work performed under this Contract in accordance with Attachment 2 - Payment Schedule, attached here and included here by reference. Payment shall be made by SCAQMD to CONTRACTOR within thirty (30) days after approval by SCAQMD of an invoice prepared and furnished by CONTRACTOR showing services performed and referencing tasks and deliverables as shown in Attachment 1 - Statement of Work, and the amount of charge claimed. Each invoice must be prepared in duplicate, on company letterhead, and list SCAQMD's Contract number, period covered by invoice, and CONTRACTOR's social security number or Employer Identification Number and submitted to: South Coast Air Quality Management District, Attn: ***.
 - B. An amount equal to ten percent (10%) shall be withheld from all charges paid until satisfactory completion and final acceptance of work by SCAQMD. [OPTIONAL]

C. SCAQMD reserves the right to disallow charges when the invoiced services are not performed satisfactorily in SCAQMD's sole judgment.

[T & M]-use this one or the Fixed Price one above.

A. SCAQMD shall pay CONTRACTOR a total not to exceed amount of *** Dollars (\$***), including any authorized travel-related expenses, for time and materials at rates in accordance with Attachment 2 – Cost Schedule, attached here and included here by this reference. Payment of charges shall be made by SCAQMD to CONTRACTOR within thirty (30) days after approval by SCAQMD of an itemized invoice prepared and furnished by CONTRACTOR referencing line item expenditures as listed in Attachment 2 and the amount of charge claimed. Each invoice must be prepared in duplicate, on company letterhead, and list SCAQMD's Contract number, period covered by invoice, and CONTRACTOR's social security number or Employer Identification Number and submitted to: South Coast Air Quality Management District, Attn: ***.

B. CONTRACTOR shall adhere to total tasks and/or cost elements (cost category) expenditures as listed in Attachment 2. Reallocation of costs between tasks and/or cost category expenditures is permitted up to One Thousand Dollars (\$1,000) upon prior written approval from SCAQMD. Reallocation of costs in excess of One Thousand Dollars (\$1,000) between tasks and/or cost category expenditures requires an amendment to this Contract.

C. SCAQMD's payment of invoices shall be subject to the following limitations and requirements:

i) Charges for equipment, material, and supply costs, travel expenses, subcontractors, and other charges, as applicable, must be itemized by CONTRACTOR. Reimbursement for equipment, material, supplies, subcontractors, and other charges shall be made at actual cost. Supporting documentation must be provided for all individual charges (with the exception of direct labor charges provided by CONTRACTOR). SCAQMD's reimbursement of travel expenses and requirements for supporting documentation are listed below.

ii) CONTRACTOR's failure to provide receipts shall be grounds for SCAQMD's non-reimbursement of such charges. SCAQMD may reduce payments on invoices by those charges for which receipts were not provided.

iii) SCAQMD shall not pay interest, fees, handling charges, or cost of money on Contract.

D. SCAQMD shall reimburse CONTRACTOR for travel-related expenses only if such travel is expressly set forth in Attachment 2 – Cost Schedule of this Contract or pre-authorized by SCAQMD in writing.

i) SCAQMD's reimbursement of travel-related expenses shall cover lodging, meals, other incidental expenses, and costs of transportation subject to the following limitations:

Air Transportation - Coach class rate for all flights. If coach is not available, business class rate is permissible.

Car Rental - A compact car rental. A mid-size car rental is permissible if car rental is shared by three or more individuals.

Lodging - Up to One Hundred Fifty Dollars (\$150) per night. A higher amount of reimbursement is permissible if pre-approved by SCAQMD.

Meals - Daily allowance is Fifty Dollars (\$50.00).

ii) Supporting documentation shall be provided for travel-related expenses in accordance with the following requirements:

Lodging, Airfare, Car Rentals - Bill(s) for actual expenses incurred.

Meals - Meals billed in excess of \$50.00 each day require receipts or other supporting documentation for the total amount of the bill and must be approved by SCAQMD.

Mileage - Beginning each January 1, the rate shall be adjusted effective February 1 by the Chief Financial Officer based on the Internal Revenue Service Standard Mileage Rate

Other travel-related expenses - Receipts are required for all individual items.

E. SCAQMD reserves the right to disallow charges when the invoiced services are not performed satisfactorily in SCAQMD's sole judgment.

11. INTELLECTUAL PROPERTY RIGHTS - Title and full ownership rights to any software, documents, or reports developed under this Contract shall at all times remain with SCAQMD. Such material is agreed to be SCAQMD proprietary information.
 - A. Rights of Technical Data - SCAQMD shall have the unlimited right to use technical data, including material designated as a trade secret, resulting from the performance of services by CONTRACTOR under this Contract. CONTRACTOR shall have the right to use technical data for its own benefit.
 - B. Copyright - CONTRACTOR agrees to grant SCAQMD a royalty-free, nonexclusive, irrevocable license to produce, translate, publish, use, and dispose of all copyrightable material first produced or composed in the performance of this Contract.

12. NOTICES - Any notices from either party to the other shall be given in writing to the attention of the persons listed below, or to other such addresses or addressees as may hereafter be designated in writing for notices by either party to the other. Notice shall be given by certified, express, or registered mail, return receipt requested, and shall be effective as of the date of receipt indicated on the return receipt card.

SCAQMD: South Coast Air Quality Management District
 21865 Copley Drive
 Diamond Bar, CA 91765-4178
 Attn: ***

CONTRACTOR: ***

 Attn: ***

13. INDEPENDENT CONTRACTOR – CONTRACTOR is an independent contractor. CONTRACTOR, its officers, employees, agents, representatives, or subcontractors shall in no sense be considered employees or agents of SCAQMD, nor shall CONTRACTOR, its officers, employees, agents, representatives, or subcontractors be entitled to or eligible to participate in any benefits, privileges, or plans, given or extended by SCAQMD to its employees. SCAQMD will not supervise, direct, or have control over, or be responsible for, CONTRACTOR's or subcontractor's means, methods, techniques, work sequences or procedures or for the safety precautions and programs incident thereto, or for any failure by them to comply with any local, state, or federal laws, or rules or regulations, including state minimum wage laws and OSHA requirements. CONTRACTOR shall promptly notify SCAQMD of any material changes to subcontracts that affect the Contract's scope of work, deliverable schedule, and/or payment/cost schedule.

14. CONFIDENTIALITY - It is expressly understood and agreed that SCAQMD may designate in a conspicuous manner the information which CONTRACTOR obtains from SCAQMD as confidential. CONTRACTOR agrees to:
 - A. Observe complete confidentiality with respect to such information, including without limitation, agreeing not to disclose or otherwise permit access to such information by any other person or entity in any manner whatsoever, except that such disclosure or access shall be permitted to employees or subcontractors of CONTRACTOR requiring access in fulfillment of the services provided under this Contract.
 - B. Ensure that CONTRACTOR's officers, employees, agents, representatives, and independent contractors are informed of the confidential nature of such information and to assure by agreement or otherwise that they are prohibited from copying or revealing, for any purpose whatsoever, the contents of such information or any part thereof, or from taking any action otherwise prohibited under this clause.

- C. Not use such information or any part thereof in the performance of services to others or for the benefit of others in any form whatsoever whether gratuitously or for valuable consideration, except as permitted under this Contract.
- D. Notify SCAQMD promptly and in writing of the circumstances surrounding any possession, use, or knowledge of such information or any part thereof by any person or entity other than those authorized by this clause.
- E. Take at CONTRACTOR expense, but at SCAQMD's option and in any event under SCAQMD's control, any legal action necessary to prevent unauthorized use of such information by any third party or entity which has gained access to such information at least in part due to the fault of CONTRACTOR.
- F. Take any and all other actions necessary or desirable to assure such continued confidentiality and protection of such information.
- G. Prevent access to such information by any person or entity not authorized under this Contract.
- H. Establish specific procedures in order to fulfill the obligations of this clause.
- I. Notwithstanding the above, nothing herein is intended to abrogate or modify the provisions of Government Code Section 6250 et.seq. (Public Records Act).

15. PUBLICATION

- A. SCAQMD shall have the right of prior written approval of any document which shall be disseminated to the public by CONTRACTOR in which CONTRACTOR utilized information obtained from SCAQMD in connection with performance under this Contract.
- B. Information, data, documents, or reports developed by CONTRACTOR for SCAQMD, pursuant to this Contract, shall be part of SCAQMD public record unless otherwise indicated. CONTRACTOR may use or publish, at its own expense, such information provided to SCAQMD. The following acknowledgment of support and disclaimer must appear in each publication of materials, whether copyrighted or not, based upon or developed under this Contract.

"This report was prepared as a result of work sponsored, paid for, in whole or in part, by the South Coast Air Quality Management District (SCAQMD). The opinions, findings, conclusions, and recommendations are those of the author and do not necessarily represent the views of SCAQMD. SCAQMD, its officers, employees, contractors, and subcontractors make no warranty, expressed or implied, and assume no legal liability for the information in this report. SCAQMD has not approved or disapproved this report, nor has SCAQMD passed upon the accuracy or adequacy of the information contained herein."
- C. CONTRACTOR shall inform its officers, employees, and subcontractors involved in the performance of this Contract of the restrictions contained herein and require compliance with the above.

16. NON-DISCRIMINATION - In the performance of this Contract, CONTRACTOR shall not discriminate in recruiting, hiring, promotion, demotion, or termination practices on the basis of race, religious creed, color, national origin, ancestry, sex, age, or physical or mental disability and shall comply with the provisions of the California Fair Employment & Housing Act (Government Code Section 12900 et seq.), the Federal Civil Rights Act of 1964 (P.L. 88-352) and all amendments thereto, Executive Order No. 11246 (30 Federal Register 12319), and all administrative rules and regulations issued pursuant to said Acts and Order.

17. SOLICITATION OF EMPLOYEES - CONTRACTOR expressly agrees that CONTRACTOR shall not, during the term of this Contract, nor for a period of six months after termination, solicit for employment, whether as an employee or independent contractor, any person who is or has been employed by SCAQMD during the term of this Contract without the consent of SCAQMD.

18. PROPERTY AND SECURITY - Without limiting CONTRACTOR obligations with regard to security, CONTRACTOR shall comply with all the rules and regulations established by SCAQMD for access to and activity in and around SCAQMD premises.
19. ASSIGNMENT - The rights granted hereby may not be assigned, sold, licensed, or otherwise transferred by either party without the prior written consent of the other, and any attempt by either party to do so shall be void upon inception.
20. NON-EFFECT OF WAIVER - The failure of CONTRACTOR or SCAQMD to insist upon the performance of any or all of the terms, covenants, or conditions of this Contract, or failure to exercise any rights or remedies hereunder, shall not be construed as a waiver or relinquishment of the future performance of any such terms, covenants, or conditions, or of the future exercise of such rights or remedies, unless otherwise provided for herein.
21. ATTORNEYS' FEES - In the event any action is filed in connection with the enforcement or interpretation of this Contract, each party shall bear its own attorneys' fees and costs.
22. FORCE MAJEURE - Neither SCAQMD nor CONTRACTOR shall be liable or deemed to be in default for any delay or failure in performance under this Contract or interruption of services resulting, directly or indirectly, from acts of God, civil or military authority, acts of public enemy, war, strikes, labor disputes, shortages of suitable parts, materials, labor or transportation, or any similar cause beyond the reasonable control of SCAQMD or CONTRACTOR.
23. SEVERABILITY - In the event that any one or more of the provisions contained in this Contract shall for any reason be held to be unenforceable in any respect by a court of competent jurisdiction, such holding shall not affect any other provisions of this Contract, and the Contract shall then be construed as if such unenforceable provisions are not a part hereof.
24. HEADINGS - Headings on the clauses of this Contract are for convenience and reference only, and the words contained therein shall in no way be held to explain, modify, amplify, or aid in the interpretation, construction, or meaning of the provisions of this Contract.
25. DUPLICATE EXECUTION - This Contract is executed in duplicate. Each signed copy shall have the force and effect of an original.
26. GOVERNING LAW - This Contract shall be construed and interpreted and the legal relations created thereby shall be determined in accordance with the laws of the State of California. Venue for resolution of any disputes under this Contract shall be Los Angeles County, California.
27. PRE-CONTRACT COSTS - Any costs incurred by CONTRACTOR prior to CONTRACTOR receipt of a fully executed Contract shall be incurred solely at the risk of the CONTRACTOR. In the event that a formal Contract is not executed, the SCAQMD shall not be liable for any amounts expended in anticipation of a formal Contract. If a formal Contract does result, pre-contract cost expenditures authorized by the Contract will be reimbursed in accordance with the cost schedule and payment provision of the Contract.
28. CITIZENSHIP AND ALIEN STATUS
 - A. CONTRACTOR warrants that it fully complies with all laws regarding the employment of aliens and others, and that its employees performing services hereunder meet the citizenship or alien status requirements contained in federal and state statutes and regulations including, but not limited to, the

Immigration Reform and Control Act of 1986 (P.L. 99-603). CONTRACTOR shall obtain from all covered employees performing services hereunder all verification and other documentation of employees' eligibility status required by federal statutes and regulations as they currently exist and as they may be hereafter amended. CONTRACTOR shall have a continuing obligation to verify and document the continuing employment authorization and authorized alien status of employees performing services under this Contract to insure continued compliance with all federal statutes and regulations. Notwithstanding the above, CONTRACTOR, in the performance of this Contract, shall not discriminate against any person in violation of 8 USC Section 1324b.

- B. CONTRACTOR shall retain such documentation for all covered employees for the period described by law. CONTRACTOR shall indemnify, defend, and hold harmless SCAQMD, its officers and employees from employer sanctions and other liability which may be assessed against CONTRACTOR or SCAQMD, or both in connection with any alleged violation of federal statutes or regulations pertaining to the eligibility for employment of persons performing services under this Contract.

29. REQUIREMENT FOR FILING STATEMENT OF ECONOMIC INTERESTS - In accordance with the Political Reform Act of 1974 (Government Code Sec. 81000 et seq.) and regulations issued by the Fair Political Practices Commission (FPPC), SCAQMD has determined that the nature of the work to be performed under this Contract requires CONTRACTOR to submit a Form 700, Statement of Economic Interests for Designated Officials and Employees, for each of its employees assigned to work on this Contract. These forms may be obtained from SCAQMD's District Counsels' office. **[REMOVE IF NOT REQUESTED ON CRAM]**

In addition, the Act requires a contractor to disqualify himself or herself from participating in, making or influencing a decision, which would have a foreseeable material effect on his or her financial interests.

30. COMPLIANCE WITH SINGLE AUDIT ACT REQUIREMENTS **[OPTIONAL - TO BE INCLUDED IN CONTRACTS WITH FOR-PROFIT CONTRACTORS WHICH HAVE FEDERAL PASS-THROUGH FUNDING]** - During the term of the Contract, and for a period of three (3) years from the date of Contract expiration, and if requested in writing by the SCAQMD, CONTRACTOR shall allow the SCAQMD, its designated representatives and/or the cognizant Federal Audit Agency, access during normal business hours to all records and reports related to the work performed under this Contract. CONTRACTOR assumes sole responsibility for reimbursement to the Federal Agency funding the prime grant or contract, a sum of money equivalent to the amount of any expenditures disallowed should the SCAQMD, its designated representatives and/or the cognizant Federal Audit Agency rule through audit exception or some other appropriate means that expenditures from funds allocated to the CONTRACTOR were not made in compliance with the applicable cost principles, regulations of the funding agency, or the provisions of this Contract.

[OPTIONAL - TO BE INCLUDED IN CONTRACTS WITH NON-PROFIT CONTRACTORS WHICH HAVE FEDERAL PASS-THROUGH FUNDING] - Beginning with CONTRACTOR's current fiscal year and continuing through the term of this Contract, CONTRACTOR shall have a single or program-specific audit conducted in accordance with the requirements of the Office of Management and Budget (OMB) Circular A-133 (Audits of States, Local Governments and Non-Profit Organizations), if CONTRACTOR expended Five Hundred Thousand Dollars (\$500,000) or more in a year in Federal Awards. Such audit shall be conducted by a firm of independent accountants in accordance with Generally Accepted Government Audit Standards (GAGAS). Within thirty (30) days of Contract execution, CONTRACTOR shall forward to SCAQMD the most recent A-133 Audit Report issued by its independent auditors. Subsequent A-133 Audit Reports shall be submitted to the SCAQMD within thirty (30) days of issuance.

CONTRACTOR shall allow the SCAQMD, its designated representatives and/or the cognizant Federal Audit Agency, access during normal business hours to all records and reports related to the work performed under this Contract. CONTRACTOR assumes sole responsibility for reimbursement to the Federal Agency funding the prime grant or contract, a sum of money equivalent to the amount of any expenditures disallowed should the SCAQMD, its designated representatives and/or the cognizant Federal Audit Agency rule through audit exception or some other appropriate means that expenditures from funds allocated to the CONTRACTOR were not made in compliance with the applicable cost principles, regulations of the funding agency, or the provisions of this Contract.

31. OPTION TO EXTEND THE TERM OF THE CONTRACT - SCAQMD reserves the right to extend the contract for a one-year period commencing *****(enter date) at the (option price or Not-to-Exceed Amount) set forth in Attachment 2. In the event that SCAQMD elects to extend the contract, a written notice of its intent to extend the contract shall be provided to CONTRACTOR no later than thirty (30) days prior to Contract expiration. **[REMOVE IF NOT REQUESTED ON CRAM]**
32. PROPOSAL INCORPORATION – CONTRACTOR’s proposal dated *** submitted in response to Request for Proposal (RFP) #***, is expressly incorporated herein by this reference and made a part hereof of this Contract. **[REMOVE IF NOT REQUESTED ON CRAM]**
33. KEY PERSONNEL - *insert person's name* is deemed critical to the successful performance of this Contract. Any changes in key personnel by CONTRACTOR must be approved by SCAQMD. All substitute personnel must possess qualifications/experience equal to the original named key personnel and must be approved by SCAQMD. SCAQMD reserves the right to interview proposed substitute key personnel. **[REMOVE IF NOT REQUESTED ON CRAM]**
34. PREVAILING WAGES – **[USE FOR INFRASTRUCTURE PROJECTS]** CONTRACTOR is alerted to the prevailing wage requirements of California Labor Code section 1770 et seq. Copies of the prevailing rate of per diem wages are on file at the SCAQMD’s headquarters, of which shall be made available to any interested party on request. Notwithstanding the preceding sentence, CONTRACTOR shall be responsible for determining the applicability of the provisions of California Labor Code and complying with the same, including, without limitation, obtaining from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work, making the same available to any interested party upon request, paying any applicable prevailing rates, posting copies thereof at the job site and flowing all applicable prevailing wage rate requirements to its subcontractors. CONTRACTOR shall indemnify, defend and hold harmless the South Coast Air Quality Management District against any and all claims, demands, damages, defense costs or liabilities based on failure to adhere to the above referenced statutes.
35. SUBCONTRACTOR APPROVAL – If CONTRACTOR intends to subcontract all or a portion of the work under this Contract, then CONTRACTOR must first obtain written approval from SCAQMD’s Executive Officer or designee prior to subcontracting any work. Any material changes to the subcontract(s) that affect the scope of work, deliverable schedule, and/or payment/cost schedule shall also require the prior written approval of the Executive Officer or designee. No subcontract charges will be reimbursed unless the required approvals have been obtained from SCAQMD.
36. ENTIRE CONTRACT - This Contract represents the entire agreement between the parties hereto related to CONTRACTOR providing services to SCAQMD and there are no understandings, representations, or warranties of any kind except as expressly set forth herein. No waiver, alteration, or modification of any of

the provisions herein shall be binding on any party unless in writing and signed by the party against whom enforcement of such waiver, alteration, or modification is sought.

IN WITNESS WHEREOF, the parties to this Contract have caused this Contract to be duly executed on their behalf by their authorized representatives.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Barry R. Wallerstein, D.Env., Executive Officer
Dr. William A. Burke, Chairman, Governing Board

Name:
Title:

Date: _____

Date: _____

ATTEST:
Saundra McDaniel, Clerk of the Board

By: _____

APPROVED AS TO FORM:
Kurt R. Wiese, General Counsel

By: _____

*//Standard Boilerplate
Revised: April 3, 2013*

ATTACHMENT A

CERTIFICATIONS AND REPRESENTATIONS



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear SCAQMD Contractor/Supplier:

The South Coast Air Quality Management District (SCAQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, complete the enclosed W-9 form, remember to sign both documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Michael B. O'Kelly
Chief Financial Officer

DH:tm

Enclosures: Business Information Request
Disadvantaged Business Certification
W-9
Form 590 Withholding Exemption Certificate
Federal Contract Debarment Certification
Campaign Contributions Disclosure
Direct Deposit Authorization

REV 3/13



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

Attention: Accounts Payable, Accounting Department South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178

DISADVANTAGED BUSINESS CERTIFICATION

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to the SCAQMD, _____ (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, as applicable, in accordance with SCAQMD Procurement Policy and Procedure:

Check all that apply:

- Small Business Enterprise/Small Business Joint Venture Women-owned Business Enterprise
 Local business Disabled Veteran-owned Business Enterprise/DVBE Joint Venture
 Minority-owned Business Enterprise

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

NAME

TITLE

TELEPHONE NUMBER

DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of the SCAQMD at the time of bid application.
- performs 90 percent of the work within SCAQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

"Minority" person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - **A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or**
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

**Request for Taxpayer
 Identification Number and Certification**

Give Form to the
 requester. Do not
 send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification (required): <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Other (see instructions) ▶ _____	
	<input type="checkbox"/> Exempt payee	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
City, state, and ZIP code		
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number		
-		

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number		
-		

Part II Certification

- Under penalties of perjury, I certify that:
- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
 - I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
 - I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶	Date ▶
------------------	----------------------------	--------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

- Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
- Certify that you are not subject to backup withholding, or
- Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,
- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name/disregarded entity name" line.

Partnership, C Corporation, or S Corporation. Enter the entity's name on the "Name" line and any business, trade, or "doing business as (DBA) name" on the "Business name/disregarded entity name" line.

Disregarded entity. Enter the owner's name on the "Name" line. The name of the entity entered on the "Name" line should never be a disregarded entity. The name on the "Name" line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner's name is required to be provided on the "Name" line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the "Business name/disregarded entity name" line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the "Name" line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the "Name" line is an LLC, check the "Limited liability company" box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter "P" for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter "C" for C corporation or "S" for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the "Name" line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the "Name" line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the "Business name/disregarded entity name," sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
 2. The United States or any of its agencies or instrumentalities,
 3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
 4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
 5. An international organization or any of its agencies or instrumentalities.
- Other payees that may be exempt from backup withholding include:
6. A corporation,
 7. A foreign central bank of issue,
 8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
 9. A futures commission merchant registered with the Commodity Futures Trading Commission,
 10. A real estate investment trust,
 11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
 12. A common trust fund operated by a bank under section 584(a),
 13. A financial institution,
 14. A middleman known in the investment community as a nominee or custodian, or
 15. A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 5 and 7 through 13. Also, C corporations.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 7 ²

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, below, and items 4 and 5 on page 4 indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt Payee* on page 3.

Signature requirements. Complete the certification as indicated in items 1 through 3, below, and items 4 and 5 on page 4.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor ⁴
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

*Note. Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN.
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4776 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2013 Withholding Exemption Certificate

590

This form can only be used to certify exemption from nonresident withholding under California Revenue and Taxation Code (R&TC) Section 18662. Do not use this form for exemption from wage withholding.

File this form with your withholding agent. (Please type or print)

Withholding agent's name _____

Payee's name _____

Payee's SSN or ITIN FEIN
 CA corp. no. CA SOS file no

Address (number and street, PO Box, or PMB no.) _____

Apt. no./ Ste. no. _____

City _____

State _____

ZIP Code _____

Read the following carefully and check the box that applies to the payee.

I certify that for the reasons checked below, the payee named on this form is exempt from the California income tax withholding requirement on payment(s) made to the entity or individual.

Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Who is a Resident, for the definition of a resident.

Corporations:

The above-named corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return and withhold on payments of California source income to nonresidents when required. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information F, What is a Permanent Place of Business, for the definition of permanent place of business.

Partnerships or limited liability companies (LLC):

The above-named partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return and will withhold on foreign and domestic nonresident partners or members when required. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

Tax-Exempt Entities:

The above-named entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). The tax-exempt entity will withhold on payments of California source income to nonresidents when required. If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:

The above-named entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required. If the trustee becomes a nonresident at any time, I will promptly notify the withholding agent.

Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required.

Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE: Please complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) _____ Daytime telephone no. _____

Payee's signature _____ Date _____

Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners. **Private Mail Box (PMB)** – Include the PMB in the address field. Write “PMB” first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Enter the information in the following order: City, Country, Province/Region, and Postal Code. Follow the country's practice for entering the postal code. Do not abbreviate the country's name.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding. California residents or entities should complete and present Form 590 to the withholding agent. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless told by the Franchise Tax Board (FTB) that the form should not be relied upon.

Important – This form cannot be used for exemption from wage and real estate withholding.

- If you are an employee, any wage withholding questions should be directed to the FTB General Information number, 800.852.5711. Employers should call 888.745.3886 or go to edd.ca.gov.
- Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from real estate withholding.

B Requirement

R&TC Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident S corporation shareholders, partners and members and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent's business.
- Payments to nonresidents for royalties with activities in California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication see General Information H, Publications, Forms, and Additional Information.

Backup Withholding – Beginning on or after January 1, 2010, with certain limited exceptions, payers that are required to withhold and remit backup withholding to the Internal Revenue Service (IRS) are also required to withhold and remit to the FTB. The California backup withholding rate is 7% of the payment. For California purposes, dividends, interests, and any financial institutions release of loan funds made in the normal course of business are exempt from backup withholding. For additional information on California backup withholding, go to ftb.ca.gov and search for **backup withholding**.

If a payee has backup withholding, the payee must contact the FTB to provide a valid Taxpayer Identification Number (TIN) before filing a tax return. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp No.); or California Secretary of State (SOS) file number. Failure to provide a valid TIN will result in the denial of the backup withholding credit. For more information go to ftb.ca.gov and search for **backup withholding**.

Who is Excluded from Withholding – The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities
- A foreign government or any of its political subdivisions, agencies, or instrumentalities

C Who Certifies this Form

Form 590 is certified by the payee. An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed certificate on the preprinted form, the

withholding agent may accept as a substitute certificate a letter from the payee explaining why the payee is not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee's taxpayer identification number. The withholding agent must retain a copy of the certificate or substitute for at least four years after the last payment to which the certificate applies, and provide it upon request to the FTB.

For example, if an entertainer (or the entertainer's business entity) is paid for a performance, the entertainer's information must be provided. Do not submit the entertainer's agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes.

Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled “Individuals — Certification of Residency.”

D Who is a Resident

A California resident is any individual who is in California for other than a temporary or transitory purpose or any individual domiciled in California who is absent for a temporary or transitory purpose.

An individual domiciled in California who is absent from California for an uninterrupted period of at least 546 consecutive days under an employment-related contract is considered outside California for other than a temporary or transitory purpose.

An individual is still considered outside California for other than a temporary or transitory purpose if return visits to California do not total more than 45 days during any taxable year covered by an employment contract.

This provision does not apply if an individual has income from stocks, bonds, notes, or other intangible personal property in excess of \$200,000 in any taxable year in which the employment-related contract is in effect.

A spouse/RDP absent from California for an uninterrupted period of at least 546 days to accompany a spouse/RDP under an employment-related contract is considered outside of California for other than a temporary or transitory purpose.

Generally, an individual who comes to California for a purpose which will extend over a long or indefinite period will be considered a resident. However, an individual who comes to perform a particular contract of short duration will be considered a nonresident.

For assistance in determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status, and FTB Pub. 1032, Tax Information for Military Personnel, or call the FTB at 800.852.5711 or 916.845.6500.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home
- To which you intend to return whenever you are absent

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders. Note: California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

F What is a Permanent Place of Business

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or if it is a foreign corporation qualified to transact intrastate business by the California SOS. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

G Withholding Agent

Keep Form 590 for your records. Do not send this form to the FTB unless it has been specifically requested.

For more information, contact Withholding Services and Compliance, see General Information H.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

The withholding agent must then withhold and report the withholding using Form 592, Resident and Nonresident Withholding Statement, and remit the withholding using Form 592-V, Payment Voucher for Resident and Nonresident Withholding. Form 592-B, Resident and Nonresident Withholding Tax Statement, is retained by the withholding agent and a copy is given to the payee.

H Additional Information

To get additional nonresident withholding information, contact the Withholding Services and Compliance.

WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

Telephone: 888.792.4900
916.845.4900
Fax: 916.845.9512

You can download, view, and print California tax forms and publications at ftb.ca.gov.

OR to get forms by mail write to:

TAX FORMS REQUEST UNIT MS F284
FRANCHISE TAX BOARD
PO BOX 307
RANCHO CORDOVA CA 95741-0307

For all other questions unrelated to withholding or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: ftb.ca.gov
Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov
Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 personas con discapacidades auditivas y del habla

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.

EPA Form 5700-49 (11-88)



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before the SCAQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at the SCAQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

- DBA, Name _____, County Filed in _____
Corporation, ID No. _____
LLC/LLP, ID No. _____

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12 months preceding the date of execution of this disclosure?

Yes No **If YES, complete Section II below and then sign and date the form. If NO, sign and date below. Include this form with your submittal.**

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast
AIR QUALITY MANAGEMENT DISTRICT
 21865 Copley Dr., Diamond Bar, CA 91765
 www.aqmd.gov

Direct Deposit Authorization

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

Authorization

- I authorize South Coast Air Quality Management District (SCAQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by SCAQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to SCAQMD for distribution. This will delay my payment.
- This authorization remains in effect until SCAQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless SCAQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution				
	Account Holder Name(s)				
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking		Account Number		Routing Number
	Bank Representative Printed Name		Bank Representative Signature		Date
	ACCOUNT HOLDER SIGNATURE:				Date

For SCAQMD Use Only

Input By _____

Date _____

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 9

PROPOSAL: Execute Contract for Insurance Brokerage Services

SYNOPSIS: The current contract for insurance brokerage services expires September 30, 2014. On April 4, 2014, the Board approved release of an RFP to solicit proposals from firms interested in providing these services for the next three-year period. This action is to execute a contract with Alliant Insurance Services through September 30, 2017, for an amount not to exceed \$ 49,000 per year. Funding for this contract has been included in the FY 2014-15 Budget and will be requested in successive fiscal years.

COMMITTEE: Administrative, July 18, 2014; Recommended for Approval

RECOMMENDED ACTION:

Authorize the Chairman to execute a three-year contract for the period October 1, 2014, through September 30, 2017, with Alliant Insurance Services to perform insurance brokerage services in an amount not to exceed \$49,000 for each of the three years.

Barry R. Wallerstein, D.Env.
Executive Officer

WJJ:PG

Background

SCAQMD currently contracts with Alliant Insurance Services to provide insurance brokerage services. These services include marketing SCAQMD's property and liability insurance needs and representing SCAQMD's interest in the negotiation and placement of various insurance instruments for loss exposures. Broker services also include data collection and analysis of properties subject to loss and their values (property valuation), preparation of insurance proposal submissions, and the development of strategies for obtaining cost-effective coverage based on existing market conditions.

The current contract expires September 30, 2014. On April 4, 2014, the Board approved release of RFP #P2014-18 to solicit proposals from insurance brokerage firms interested in providing these services for the next three-year period.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County's Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ has been e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>).

Bid Evaluation

A total of nine copies of the RFP were mailed to insurance brokerage firms. There were three proposals received by the deadline for submittal at 3:00 p.m. on Friday, May 9, 2014. The panel scored the three responsive proposals based on criteria set forth in the RFP, which included firms' understanding of the scope of work, technical insurance brokerage expertise, relevant public-sector experience, and cost.

The panel evaluating the proposals included a Controller, a Senior Deputy District Counsel, a Principal Deputy District Counsel, and a Human Resources Analyst. Of these, two are Asian/Pacific Islanders, one is Caucasian and one is Hispanic; one is male and three are female.

Alliant Insurance Services received the panel's highest rating. The firm demonstrated expertise in obtaining advantageous insurance coverage from national and international insurers at cost-effective rates, which would result in cost savings to SCAQMD. The attachment lists the proposals and their ratings.

Proposal

This action is to execute a contract with Alliant Insurance Services for the period October 1, 2014, through September 30, 2017, to perform insurance brokerage services. Under the contract, Alliant Insurance Services would utilize its resources to negotiate cost-effective and advantageous insurance coverage for SCAQMD based on current market conditions. Staff is recommending the selection of a proposer with a high technical score but with an initial higher fee-for-service, as opposed to a lower cost proposer with a lower proposed fee-for-service, as this proposer would not be able to access proprietary joint purchase property and excess liability insurance programs

available exclusively to Alliant Insurance Services. Utilizing an insurance brokerage service unable to access these joint purchase programs would increase substantially SCAQMD's annual insurance premiums well in excess of the reduced fee-for-service. Funds for insurance premiums are included in SCAQMD's budget each fiscal year under the District General – Insurance account.

Resource Impacts

Sufficient funding is available for the remainder of FY 2014-15, and funding in an amount not to exceed \$49,000 will be requested in successive budget years.

Attachment

Proposal Evaluation Summary

ATTACHMENT A

PROPOSAL EVALUATION SUMMARY

RFP 2014-18

INSURANCE BROKERAGE SERVICES

Contractor	3-Year Cost	Cost Points	Technical Points	Additional Points	Total Points
Alliant Insurance Services	\$147,000	22	69	5	96
Kaercher Campbell & Associates	\$105,000	30	59	5	94
DVBE Insurance Services	**	-0-	27	15	42

** Proposed commission based compensation as opposed to fee-for-service arrangement as required by the RFP.

[↑ Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 10

PROPOSAL: Issue RFP for Legislative Representation in Sacramento, California

SYNOPSIS: The current contracts for legislative representation in Sacramento, California expire on December 31, 2014. This action calls for the issuance of an RFP for legislative consulting services for SCAQMD in Sacramento, California for 2015. The RFP will also indicate that the services contract(s) may be extended for up to two additional one-year terms. Total expenditures for the contract(s) shall not exceed \$350,000 for the initial one-year period.

COMMITTEE: Administrative, July 18, 2014, Recommended for Approval

RECOMMENDED ACTION:

Approve release of RFP #P2015-09 to solicit proposals for legislative representation in Sacramento, California at a cost not to exceed \$350,000 for the initial one-year period

Barry R. Wallerstein, D.Env.
Executive Officer

LBS:DJA:WS:RAR:jf

Background

A legislative presence in Sacramento, California is critical to advancing Governing Board (“Board”) policies and South Coast Air Quality Management District’s (SCAQMD) legislative goals and objectives. This effort includes providing technical information and assistance to legislators regarding air quality matters, acting as a liaison between the SCAQMD and legislators regarding the Board’s priorities, funding and program support for technology advancement and emission reduction projects, and advocating the SCAQMD’s position on air quality-related bills. This effort also includes fostering state support for the SCAQMD’s federal initiatives which have synergy.

Much of the 2015 legislative goals and objectives for SCAQMD will depend on the outcome of the 2014 legislative session. However, many of the prior years' program elements are expected to continue and build upon in the coming session in Sacramento. The legislative priorities are expected to include, at minimum, the following:

- Support and/or possibly sponsor legislation to ensure the development and commercialization of clean technologies to reduce emissions of criteria pollutants, toxics and VOCs.
- Monitor, analyze, recommend positions, testify, and negotiate on behalf of SCAQMD on legislation affecting the agency, including state budget and subvention funding.
- Support funding to continue the implementation of the Board's clean air policies and programs as required by state and federal law.
- Work with the legislature and California Air Resources Board to maximize opportunities under Prop. 1B funding (both transportation and air quality), AB 118, and Moyer programs, for improved air quality and public health benefits.
- Support and/or possibly sponsor legislation to ensure implementation of the SCAQMD Air Quality Management Plan, including measures related to goods movement emission reductions, and increased use of preferred energy sources enhanced energy demand management.

The legislative priorities for SCAQMD for 2015 will be further refined and presented to the Board's Legislative Committee and the full Board for approval later in the year, as determined by the course of events in 2014.

Proposal

SCAQMD seeks the service(s) of contractor(s) to support the Board's goals and objectives for 2015 in Sacramento, California. The selected firm(s) will be expected to provide a variety of services, consistent with the Board's direction. Funding for the initial year shall be up to a maximum of \$350,000. The contract(s) may include options for two annual renewals, contingent on satisfactory performance and approval of subsequent budgets, at the Board's discretion.

Bid Evaluation

Proposals received will be initially evaluated by a diverse panel of technically qualified individuals according to the criteria described in the attached RFP #P2015-09. The

Legislative Committee of the Board is expected to conduct oral interviews of the most highly qualified bidders and will make a recommendation to the full Board for approval.

Outreach

In accordance with SCAQMD’s Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids will be published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may be notified utilizing SCAQMD’s own electronic listing of certified minority vendors. Notice of the RFP/RFQ will be e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet on SCAQMD’s website (www.aqmd.gov) where it can be viewed by making the selection “Grants & Bids.”

Resource Impacts

Sufficient funds are available in the Legislative & Public Affairs FY 2014-15 Budget for the services requested. Funding for fiscal years in the future is contingent upon Board approval of the Budget.

Attachment

RFP #P2015-09 for Legislative Representation in Sacramento, California



South Coast Air Quality Management District

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT REQUEST FOR PROPOSALS REPRESENTATION IN SACRAMENTO CALIFORNIA #P2015-09

The South Coast Air Quality Management District (SCAQMD) requests proposals for the following purpose according to terms and conditions attached. In the preparation of this Request for Proposals (RFP) the words "Proposer," "Contractor," and "Consultant" are used interchangeably.

PURPOSE

The SCAQMD requires representation in Sacramento, California, to make certain that air quality legislation and other related issues are monitored and SCAQMD viewpoints are presented in an effective and timely manner during the legislative and policy-setting process.

The intent of this RFP is to contract with outside representative(s) knowledgeable in air quality-related issues to provide assistance with and representation of SCAQMD policy positions and funding needs before the California State Legislature and state agencies. The consultant(s) selected pursuant to this RFP will be reimbursed on a monthly basis for services rendered at an agreed upon flat monthly fee and actual costs incurred for out-of-pocket expenses. The consultant may make use of the services of subcontractors, on an as-needed basis. A list of names of subcontractors along with their qualifications and the total hours of services expected shall be submitted with responses to this RFP. All subcontractors are subject to approval by SCAQMD and pre-approval is required before commencing any work.

The selected firm(s) will be expected to provide a variety of services, to be outlined in the work statement, and consistent with SCAQMD Board directions. Funding for the initial year shall be up to a maximum of \$350,000. The contract may include options for two annual renewals, contingent on satisfactory performance and approval of subsequent budgets, upon approval of the SCAQMD Governing Board.

INDEX - The following are contained in this RFP:

Section I	Background/Information
Section II	Contact Person
Section III	Schedule of Events
Section IV	Participation in the Procurement Process
Section V	Statement of Work/Schedule of Deliverables
Section VI	Required Qualifications
Section VII	Proposal Submittal Requirements
Section VIII	Proposal Submission
Section IX	Proposal Evaluation/Contractor Selection Criteria

Attachment A - Certifications and Representations

SECTION I: BACKGROUND/INFORMATION

SCAQMD is the air pollution control agency for all of Orange County and the urban portions of Los Angeles, Riverside and San Bernardino counties, the smoggiest region of the U.S. As a regulatory agency, SCAQMD is committed to protect the health of residents of the four-county area from the harmful effects of air pollution, while remaining sensitive to businesses and the economic vitality of the region.

A legislative presence in Sacramento is critical to advancing Governing Board policies and SCAQMD programs. This effort includes providing technical information and assistance to Legislators regarding air quality matters, acting as a liaison between the SCAQMD and Legislators regarding the Governing Board's Annual Initiatives, Technology Advancement Office (TAO) funding and activities, and advocating the SCAQMD's position on air quality-related bills. Sacramento efforts shall also include securing the support of the State Legislature and State agencies for SCAQMD's federal initiatives.

Much of the 2015 legislative goals and objectives for SCAQMD will depend on the outcome of 2014 legislative session. However, many of prior years' program elements are expected to continue and build upon in the coming legislative sessions in Sacramento. The legislative priorities are expected to include, at minimum, the following:

- Support and/or possibly sponsor legislation to ensure the development and commercialization of clean technologies to reduce emissions of criteria pollutants, toxics and VOC's.
- Monitor, analyze, recommend positions, testify, and negotiate on behalf of SCAQMD on legislation affecting the agency, including state budget and subvention Funding.
- Support funding to continue the implementation of the Board's clean air policies and programs as required by state and federal law.
- Work with the legislature and California Air Resources Board to maximize opportunities under Prop 1B funding (both transportation and air quality), AB 118, and Moyer programs, for improved air quality and public health benefits.
- Support and/or possibly sponsor legislation to ensure implementation of the SCAQMD Air Quality Management Plan, including measures related to goods movement emission reductions, and increased use of preferred energy sources enhanced energy demand management.

The legislative priorities for SCAQMD for 2015 may further be refined and presented to the Board's Legislative Committee and the full Board for approval later in the year, as determined by the course of events in 2014.

SECTION II: CONTACT PERSON:

Questions regarding the content or intent of this RFP or on procedural matters should be addressed to:

William "Guillermo" Sanchez
Legislative and Public Affairs
SCAQMD
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3203

SECTION III: SCHEDULE OF EVENTS

September 5, 2014	RFP Released
October 22, 2014	Proposals Due – No Later Than 1:00PM
October 22 – 31, 2014	Proposal Evaluations
November 14, 2014	Legislative Committee
	Approval/Interviews, if required
December 5, 2014	Governing Board Approval
December 2014	Anticipated Contract Execution

SECTION IV: PARTICIPATION IN THE PROCUREMENT PROCESS

A. It is the policy of the South Coast Air Quality Management District to ensure that all businesses including minority business enterprises, women business enterprises, disabled veteran business enterprises and small businesses have a fair and equitable opportunity to compete for and participate in SCAQMD contracts.

B. Definitions:

The definition of minority, women or disadvantaged business enterprises set forth below is included for purposes of determining compliance with the affirmative steps requirement described in Paragraph G below on procurements funded in whole or in part with federal grant funds which involve the use of subcontractors. The definition provided for disabled veteran business enterprise, local business, small business enterprise, low-emission vehicle business and off-peak hours delivery business are provided for purposes of determining eligibility for point or cost considerations in the evaluation process.

1. "Women business enterprise" (WBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. a business that is at least 51 percent owned by one or more women, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more or women.

- b. a business whose management and daily business operations are controlled by one or more women.
 - c. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
 2. "Disabled veteran" as used in this policy is a United States military, naval, or air service veteran with at least 10 percent service-connected disability who is a resident of California.
 3. "Disabled veteran business enterprise" (DVBE) as used in this policy means a business enterprise that meets all of the following criteria:
 - a. is a sole proprietorship or partnership of which at least 51 percent is owned by one or more disabled veterans or, in the case of a publicly owned business, at least 51 percent of its stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
 - b. the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
 - c. is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.
 4. "Local business" as used in this policy means a company that has an ongoing business within geographical boundaries of the SCAQMD at the time of bid or proposal submittal and performs 90% of the work related to the contract within the geographical boundaries of the SCAQMD and satisfies the requirements of subparagraph H below.
 5. "Small business" as used in this policy means a business that meets the following criteria:
 - a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or
 - A manufacturer with 100 or fewer employees.

- b. Manufacturer means a business that is both of the following:
- 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 and 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.
6. "Joint ventures" as defined in this policy pertaining to certification means that one party to the joint venture is a DVBE or small business and owns at least 51 percent of the joint venture.
7. "Low-Emission Vehicle Business" as used in this policy means a company or contractor that uses low-emission vehicles in conducting deliveries to the SCAQMD. Low-emission vehicles include vehicles powered by electric, compressed natural gas (CNG), liquefied natural gas (LNG), liquefied petroleum gas (LPG), ethanol, methanol, hydrogen and diesel retrofitted with particulate matter (PM) traps.
8. "Off-Peak Hours Delivery Business" as used in this policy means a company or contractor that commits to conducting deliveries to the SCAQMD during off-peak traffic hours defined as between 10:00 a.m. and 3:00 p.m.
9. "Benefits Incentive Business" as used in this policy means a company or contractor that provides janitorial, security guard or landscaping services to the SCAQMD and commits to providing employee health benefits (as defined below in Section VIII.D.2.d) for full time workers with affordable deductible and co-payment terms.
10. "Minority Business Enterprise" as used in this policy means a business that is at least 51 percent owned by one or more minority person(s), or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more or minority persons.
- a. a business whose management and daily business operations are controlled by one or more minority persons.
 - b. a business which is a sole proprietorship, corporation, or partnership with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign-based business.
 - c. "Minority person" for purposes of this policy, means a Black American, Hispanic American, Native-American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian (including a person whose origins are from India, Pakistan, and Bangladesh), Asian-Pacific-American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, and Taiwan).
11. "Disadvantaged Business Enterprise" as used in this policy means a business that is an entity owned and/or controlled by a socially and economically disadvantaged individual(s) as described by Title X of the Clean Air Act Amendments of 1990 (42

U.S.C. 7601 note) (10% statute), and Public Law 102-389 (42 U.S.C. 4370d)(8% statute), respectively;
a Small Business Enterprise (SBE);
a Small Business in a Rural Area (SBRA);
a Labor Surplus Area Firm (LSAF); or
a Historically Underutilized Business (HUB) Zone Small Business Concern, or a concern under a successor program.

- C. Under Request for Quotations (RFQ), DVBEs, DVBE business joint ventures, small businesses, and small business joint ventures shall be granted a preference in an amount equal to 5% of the lowest cost responsive bid. Low-Emission Vehicle Businesses shall be granted a preference in an amount equal to 5 percent of the lowest cost responsive bid. Off-Peak Hours Delivery Businesses shall be granted a preference in an amount equal to 2 percent of the lowest cost responsive bid. Local businesses (if the procurement is not funded in whole or in part by federal grant funds) shall be granted a preference in an amount equal to 2% of the lowest cost responsive bid.
- D. Under Request for Proposals, DVBEs, DVBE joint ventures, small businesses, and small business joint ventures shall be awarded ten (10) points in the evaluation process. A non-DVBE or large business shall receive seven (7) points for subcontracting at least twenty-five (25%) of the total contract value to a DVBE and/or small business. Low-Emission Vehicle Businesses shall be awarded five (5) points in the evaluation process. On procurements which are not funded in whole or in part by federal grant funds local businesses shall receive five (5) points. Off-Peak Hours Delivery Businesses shall be awarded two (2) points in the evaluation process.
- E. SCAQMD will ensure that discrimination in the award and performance of contracts does not occur on the basis of race, color, sex, national origin, marital status, sexual preference, creed, ancestry, medical condition, or retaliation for having filed a discrimination complaint in the performance of SCAQMD contractual obligations.
- F. SCAQMD requires Contractor to be in compliance with all state and federal laws and regulations with respect to its employees throughout the term of any awarded contract, including state minimum wage laws and OSHA requirements.
- G. When contracts are funded in whole or in part by federal funds, and if subcontracts are to be let, the Contractor must comply with the following, evidencing a good faith effort to solicit disadvantaged businesses. Contractor shall submit a certification signed by an authorized official affirming its status as a MBE or WBE, as applicable, at the time of contract execution. The SCAQMD reserves the right to request documentation demonstrating compliance with the following good faith efforts prior to contract execution.
 - 1. Ensure Disadvantaged Business Enterprises (DBEs) are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
 - 2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting

solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.

3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and Local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
 4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
 5. Using the services and assistance of the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
 6. If the prime contractor awards subcontracts, require the prime contractor to take the above steps.
- H. To the extent that any conflict exists between this policy and any requirements imposed by federal and state law relating to participation in a contract by a certified MBE/WBE/DVBE as a condition of receipt of federal or state funds, the federal or state requirements shall prevail.
- I. When contracts are not funded in whole or in part by federal grant funds, a local business preference will be awarded. For such contracts that involve the purchase of commercial off-the-shelf products, local business preference will be given to suppliers or distributors of commercial off-the-shelf products who maintain an ongoing business within the geographical boundaries of the SCAQMD. However, if the subject matter of the RFP or RFQ calls for the fabrication or manufacture of custom products, only companies performing 90% of the manufacturing or fabrication effort within the geographical boundaries of the SCAQMD shall be entitled to the local business preference.
- J. In compliance with federal fair share requirements set forth in 40 CFR Part 33, the SCAQMD shall establish a fair share goal annually for expenditures with federal funds covered by its procurement policy.

SECTION V: STATEMENT OF WORK/SCHEDULE OF DELIVERABLES

A. Statement of Work

Under the direction of the Executive Officer or Deputy Executive Officer of Legislative and Public Affairs, and in coordination with the SCAQMD legislative staff, the consultant(s) shall gather information, provide advice and assistance, and/or advocate positions on legislation in Sacramento as it directly pertains to the ability of the SCAQMD to carry out its statutory responsibilities. The selected Consultant(s) will perform the services listed below on legislative/regulatory matters; however, the responsibilities of the selected Consultant(s)

under the contract pursuant to this RFP are not necessarily limited to items listed since there may be other legislative needs that may arise during the course of the legislative process.

1. A written strategic and tactical implementation plan for 2015;
2. Drafting, and or assisting SCAQMD staff, consultants, or other parties in drafting, legislation and other policies and procedures as requested by SCAQMD and coordinating or assisting in their introduction;
3. Reviewing, identifying, tracking, and monitoring both the actions of the administration and related state agencies as well as the California Legislature for legislation and other proposals potentially affecting air quality and SCAQMD's operations, authorities, and funding;
4. Advocating as directed by SCAQMD, on all identified and/or drafted legislation and administrative and other proposals, providing testimony at committee and other special hearings, and providing written communications to legislators, key administrative officials, and other staff regarding such bills;
5. Negotiating bill language, policies or other state agency provisions related to air quality issues;
6. Assist in the integration of state legislative agenda with SCAQMD's federal legislative agenda and local efforts;
7. Planning for, and handling unforeseen emergency situations involving legislative staff or legislation, at the direction of SCAQMD;
8. Producing materials destined for strategic distribution or inclusion in Legislative Committee/Board proceedings;
9. Providing regular reports on the status of all legislative and administrative activities in which interest is expressed by SCAQMD;
10. Identifying the administration's upcoming environmental legislative agenda and providing work plans, analysis, and consultation on strategies to align efforts to secure support for SCAQMD proposals;
11. Securing the support of SCAQMD's mission and positions by the decision-makers in the legislative and administrative bodies of the State of California, including the Governor's Office;
12. Gathering information and scheduling appointments on behalf of SCAQMD with key legislators and administration members and appointees;
13. Attending and participating in meetings exclusively on behalf of SCAQMD with legislative representatives and administration members and appointees;
14. Preparing all reports and filings in the matter and form required of SCAQMD pursuant to the Political Reform Act of 1974, as amended and assisting SCAQMD in filing such reports. The contractor will promptly furnish to SCAQMD a copy of all reports filed with any governmental agency concerning its lobbying activities on behalf of SCAQMD.

*A copy of the 2014 SCAQMD's Governing Board Legislative Goals and Objectives is herein incorporated as reference as Attachment B.

B. Schedule of Deliverables

1. Preparation of a Strategic Plan for the upcoming legislative year by no later than February 10, 2015, maximizing SCAQMD Board and staff participation and involvement in the legislative process;

2. Written drafts of legislative/administrative proposals as requested by SCAQMD. Such drafts are to be submitted for review by SCAQMD prior to being released;
3. Written status of administrative actions pertaining to air quality-related issues of SCAQMD's programs for carrying out its legislative mandates. Such reports are to summarize each proposal/action and its potential impacts, recommend an SCAQMD position as appropriate, and identify any upcoming meetings or hearings to discuss the proposal;
4. Participation in the monthly SCAQMD Legislative Committee meetings, upon SCAQMD staff request, to provide updates and presentations on relative legislative and administrative issues and legislation recommended for SCAQMD position;
5. Written communications to legislators and key administrative officials conveying SCAQMD positions on various bills and administrative actions.
6. Following adjournment of the legislative session, a year-end report delineating and summarizing the final status/disposition of relevant administrative actions;
7. Legislative/administrative activities and legislative program planning documents and calendars as requested;
8. May include a "Capitol Briefing" or "Clean Air Legislative Action Day" or similar event(s) during the contract period to help establish an ongoing presence in the Capitol to garner support for the agency's mission and maintain the agency's presence as a resource to the Legislature;
9. A weekly written report covering pertinent legislative activities during the legislative session, written quarterly reports, a year-end report, and a year-end presentation delineating and summarizing relevant administrative and legislative actions;
10. A monthly written report to accompany invoice outlining contractor's specific activities;
11. An original signed confidentially agreement; and,
12. Maintaining permanent records from which the correctness of all written records and filings can be verified. These records are to be open to inspection by SCAQMD or its representatives during normal business hours.

SECTION VI: REQUIRED QUALIFICATIONS

- A. Persons or firms proposing to bid on this proposal must be qualified and experienced in representing and advising governmental agencies and must submit qualifications demonstrating this ability in cases involving as many as possible of the following areas: legislative representation, SCAQMD Rules and Regulations, air quality law, and other environmental issues.
- B. Proposer must submit the following:
 1. Resumes or similar statement of qualifications of person or persons who may be designated as the principal and other support and subcontractor qualification demonstrating the ability to represent SCAQMD before the California State Legislature and state agencies.
 2. List of representative clients.

3. Summary of proposer's general qualifications to meet required qualifications and fulfill statement of work, including additional firm personnel and resources beyond those of the designated principal.

SECTION VII: PROPOSAL SUBMITTAL REQUIREMENTS

Submitted proposals must follow the format outlined below and all requested information must be supplied. Failure to submit proposals in the required format will result in elimination from proposal evaluation.

Each proposal must be submitted in three separate volumes:

- Volume I - Technical Proposal
- Volume II - Cost Proposal
- Volume III - Certifications and Representations included in Attachment A to this RFP, should be executed by an authorized official of the Contractor.

A separate cover letter including the name, address, and telephone number of the contractor, and signed by the person or persons authorized to represent the firm should accompany the proposal submission. Firm contact information as follows should also be included in the cover letter:

1. Address and telephone number of office in, or nearest to, Diamond Bar, California.
2. Name and title of firm's representative designated as contact.

A separate Table of Contents should be provided for Volumes I and II.

VOLUME I - TECHNICAL PROPOSAL

DO NOT INCLUDE ANY COST INFORMATION IN THE TECHNICAL VOLUME

Summary (Section A) - State overall approach to meeting the objectives and satisfying the scope of work to be performed, the sequence of activities, and a description of methodology or techniques to be used.

Program Schedule (Section B) - Provide projected milestones or benchmarks for submitting reports within the total time allowed.

Project Organization (Section C) - Describe the proposed management structure, program monitoring procedures, and organization of the proposed team.

Qualifications (Section D) - Describe the technical capabilities of the firm. Provide references of other similar studies performed during the last five years demonstrating ability to successfully complete the project. Include contact name, title, and telephone number for any references listed. Provide a statement of your firm's background and experience in performing similar projects for other governmental organizations.

Assigned Personnel (Section E) - Provide the following information on the staff to be assigned to this project:

1. List all key personnel assigned to the project by level and name. Provide a resume or similar statement of the qualifications of the lead person and all persons assigned to the project. Substitution of project manager or lead personnel will not be permitted without prior written approval of SCAQMD.
2. Provide a spreadsheet of the labor hours proposed for each labor category at the task level.
3. Provide a statement indicating whether or not 90% of the work will be performed within the geographical boundaries of the SCAQMD.
4. Provide a statement of the education and training program provided by, or required of, the staff identified for participation in the project, particularly with reference to management consulting, governmental practices and procedures, and technical matters.
5. Provide a summary of your firm's general qualifications to meet required qualifications and fulfill statement of work, including additional firm personnel and resources beyond those who may be assigned to the project.

Subcontractors (Section F) - This project may require expertise in multiple technical areas. List any subcontractors that may be used and the work to be performed by them.

Conflict of Interest (Section G) - Address possible conflicts of interest with other clients affected by actions performed by the firm on behalf of SCAQMD. Although the Proposer will not be automatically disqualified by reason of work performed for such firms, SCAQMD reserves the right to consider the nature and extent of such work in evaluating the proposal.

Additional Data (Section H) - Provide other essential data that may assist in the evaluation of this proposal.

VOLUME II - COST PROPOSAL

Name and Address - The Cost Proposal must list the name and complete address of the Proposer in the upper left-hand corner.

Cost Proposal – SCAQMD anticipates awarding a fixed price contract. Cost information must be provided as listed below:

1. Detail must be provided by the following categories:
 - A. Labor - List the total number of hours and the hourly billing rate for each level of professional staff. A breakdown of the proposed billing rates must identify the direct labor rate, overhead rate and amount, fringe benefit rate and amount, General and Administrative rate and amount, and proposed profit or fee. Provide a basis of estimate justifying the proposed labor hours and proposed labor mix.
 - B. Subcontractor Costs - List subcontractor costs and identify subcontractors by name. Itemize subcontractor charges per hour or per day.
 - C. Travel Costs - Indicate amount of travel cost and basis of estimate to include trip destination, purpose of trip, length of trip, airline fare or mileage expense, per diem costs, lodging and car rental.

- D. Other Direct Costs -This category may include such items as postage and mailing expense, printing and reproduction costs, etc. Provide a basis of estimate for these costs.

VOLUME III - CERTIFICATIONS AND REPRESENTATIONS (see Attachment A to this RFP)

SECTION VIII: PROPOSAL SUBMISSION

All proposals must be submitted according to specifications set forth in the section above. Failure to adhere to these specifications may be cause for rejection of proposal.

Signature - All proposals should be signed by an authorized representative of the Proposer.

Due Date - The Proposer shall submit eight (8) complete copies of the proposal in a sealed envelope, plainly marked in the upper left-hand corner with the name and address of the Proposer and the words "Request for Proposals #2015-09." **All proposals are due no later than 1:00 p.m. (PST), October 22, 2014, and should be directed to:**

Procurement Unit
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178
(909) 396-3520

Late bids/proposals will not be accepted under any circumstances.

Grounds for Rejection - A proposal may be immediately rejected if:

- It is not prepared in the format described, or
- It is signed by an individual not authorized to represent the firm.

Modification or Withdrawal - Once submitted, proposals cannot be altered without the prior written consent of SCAQMD. All proposals shall constitute firm offers and may not be withdrawn for a period of ninety (90) days following the last day to accept proposals.

SECTION IX: PROPOSAL EVALUATION/CONTRACTOR SELECTION CRITERIA

- A. Proposals will be evaluated by a panel of three to five SCAQMD staff members familiar with the subject matter of the project. The panel shall be appointed by the Executive Officer or his designee. In addition, the evaluation panel may include such outside public sector or academic community expertise as deemed desirable by the Executive Officer. The panel will make a recommendation to the Executive Officer and/or the Governing Board of the SCAQMD for final selection of a contractor and negotiation of a contract.
- B. Each member of the evaluation panel shall be accorded equal weight in his or her rating of proposals. The evaluation panel members shall evaluate the proposals according to the specified criteria and numerical weightings set forth below.

1. Proposal Evaluation Criteria

(a) R&D Projects Requiring Technical or Scientific Expertise, or Special Projects Requiring Unique Knowledge or Abilities

Understanding the Problem	20
Technical/Management Approach	20
Contractor Qualifications	30
Previous Experience on Similar Projects	10
Cost	<u>20</u>
TOTAL	100

(c) Additional Points

Small Business or Small Business Joint Venture	10
DVBE or DVBE Joint Venture	10
Use of DVBE or Small Business Subcontractors	7
Low-Emission Vehicle Business	5
Local Business (Non-Federally Funded Projects Only)	5
Off-Peak Hours Delivery Business	2

The cumulative points awarded for small business, DVBE, use of small business or DVBE subcontractors, low-emission vehicle business, local business, and off-peak hours delivery business shall not exceed 15 points.

Self-Certification for Additional Points

The award of these additional points shall be contingent upon Proposer completing the Self-Certification section of Attachment A – Certifications

and Representations and/or inclusion of a statement in the proposal self-certifying that Proposer qualifies for additional points as detailed above.

2. To receive additional points in the evaluation process for the categories of Small Business or Small Business Joint Venture, DVBE or DVBE Joint Venture or Local Business (for non-federally funded projects), the proposer must submit a self-certification or certification from the State of California Office of Small Business Certification and Resources at the time of proposal submission certifying that the proposer meets the requirements set forth in Section III. To receive points for the use of DVBE and/or Small Business subcontractors, at least 25 percent of the total contract value must be subcontracted to DVBEs and/or Small Businesses. To receive points as a Low-Emission Vehicle Business, the proposer must demonstrate to the Executive Officer, or designee, that supplies and materials delivered to the SCAQMD are delivered in vehicles that operate on either clean-fuels or if powered by diesel fuel, that the vehicles have particulate traps installed. To receive points as an Off-Peak Hours Delivery Business, the proposer must submit, at proposal submission, certification of its commitment to delivering supplies and materials to SCAQMD between the hours of 10:00 a.m. and 3:00 p.m. The cumulative points awarded for small business, DVBE, use of Small Business or DVBE Subcontractors, Local Business, Low-Emission Vehicle Business and Off-Peak Hour Delivery Business shall not exceed 15 points.

The Procurement Section will be responsible for monitoring compliance of suppliers awarded purchase orders based upon use of low-emission vehicles or off-peak traffic hour delivery commitments through the use of vendor logs which will identify the contractor awarded the incentive. The purchase order shall incorporate terms which obligate the supplier to deliver materials in low-emission vehicles or deliver during off-peak traffic hours. The Receiving department will monitor those qualified supplier deliveries to ensure compliance to the purchase order requirements. Suppliers in non-compliance will be subject to a two percent of total purchase order value penalty. The Procurement Manager will adjudicate any disputes regarding either low-emission vehicle or off-peak hour deliveries.

3. For procurement of Research and Development (R & D) projects or projects requiring technical or scientific expertise or special projects requiring unique knowledge and abilities, technical factors including past experience shall be weighted at 80 points and cost shall be weighted at 20 points. A proposal must receive at least 64 out of 80 points on R & D projects and projects requiring technical or scientific expertise or special projects requiring unique knowledge and abilities, in order to be deemed qualified for award.
4. The lowest cost proposal will be awarded the maximum cost points available and all other cost proposals will receive points on a prorated basis. For example if the lowest cost proposal is \$1,000 and the maximum points available are 20 points, this proposal would receive the full 20 points. If the next lowest

cost proposal is \$1,100 it would receive 18 points reflecting the fact that it is 10% higher than the lowest cost (90% of 20 points = 18 points).

- C. During the selection process the evaluation panel may wish to interview some proposers for clarification purposes only. No new material will be permitted at this time. Additional information provided during the bid review process is limited to clarification by the Proposer of information presented in his/her proposal, upon request by SCAQMD.
- D. The Executive Officer or Governing Board may award the contract to a Proposer other than the Proposer receiving the highest rating in the event the Governing Board determines that another Proposer from among those technically qualified would provide the best value to SCAQMD considering cost and technical factors. The determination shall be based solely on the Evaluation Criteria contained in the Request for Proposal (RFP), on evidence provided in the proposal and on any other evidence provided during the bid review process.
- E. Selection will be made based on the above-described criteria and rating factors. The selection will be made by and is subject to Executive Officer or Governing Board approval. Proposers may be notified of the results by letter.
- F. The Governing Board has approved a Bid Protest Procedure which provides a process for a bidder or prospective bidder to submit a written protest to the SCAQMD Procurement Manager in recognition of two types of protests: Protest Regarding Solicitation and Protest Regarding Award of a Contract. Copies of the Bid Protest Policy can be secured through a request to the SCAQMD Procurement Department.
- G. The Executive Officer or Governing Board may award contracts to more than one proposer if in (his or their) sole judgment the purposes of the (contract or award) would best be served by selecting multiple proposers.
- H. If additional funds become available, the Executive Officer or Governing Board may increase the amount awarded. The Executive Officer or Governing Board may also select additional proposers for a grant or contract if additional funds become available.
- I. Disposition of Proposals – Pursuant to the District's Procurement Policy and Procedure, SCAQMD reserves the right to reject any or all proposals. All proposals become the property of SCAQMD, and are subject to the California Public Records Act. One copy of the proposal shall be retained for SCAQMD files. Additional copies and materials will be returned only if requested and at the proposer's expense.

SECTION X: FUNDING

The total funding for the work contemplated by this RFP will be a maximum \$350,000 for the base year with an option to renew the contract for two additional years provided fund is approved in subsequent year budgets.

SECTION XI: DRAFT CONTRACT (Provided as a sample only)



**South Coast
Air Quality Management District**

This Contract consists of XX pages.

1. PARTIES - The parties to this Contract are the South Coast Air Quality Management District (referred to here as "SCAQMD") whose address is 21865 Copley Drive, Diamond Bar, California 91765-4178, and TBD (referred to here as "CONTRACTOR") whose address is TBD.
2. RECITALS
 - A. SCAQMD is the local agency with primary responsibility for regulating stationary source air pollution within the geographical boundaries of the South Coast Air Quality Management District in the State of California. SCAQMD is authorized to enter into this Contract under California Health and Safety Code Section 40489. SCAQMD desires to contract with CONTRACTOR for services described in Attachment 1 - Statement of Work, attached here and made a part here by this reference. CONTRACTOR warrants that it is well-qualified and has the experience to provide such services on the terms set forth here.
 - B. CONTRACTOR is authorized to do business in the State of California and attests that it is in good tax standing with the California Franchise Tax Board.
 - C. All parties to this Contract have had the opportunity to have this Contract reviewed by their attorney.
3. PERFORMANCE REQUIREMENTS
 - A. CONTRACTOR agrees to obtain and maintain the required licenses, permits, and all other appropriate legal authorizations from all applicable federal, state and local jurisdictions and pay all applicable fees. CONTRACTOR further agrees to immediately notify SCAQMD in writing of any change in its licensing status which has a material impact on the CONTRACTOR's performance under this Contract.
 - B. CONTRACTOR shall submit reports to SCAQMD as outlined in Attachment 1 - Statement of Work. All reports shall be submitted in an environmentally friendly format: recycled paper; stapled, not bound; black and white, double-sided print; and no three-ring, spiral, or plastic binders or cardstock covers. SCAQMD reserves the right to review, comment, and request changes to any report produced as a result of this Contract.
 - C. CONTRACTOR shall perform all tasks set forth in Attachment 1 - Statement of Work, and shall not engage, during the term of this Contract, in any performance of work that is in direct or indirect conflict with duties and responsibilities set forth in Attachment 1 - Statement of Work.
 - D. CONTRACTOR shall be responsible for exercising the degree of skill and care customarily required by accepted professional practices and procedures subject to SCAQMD's final approval which SCAQMD will not unreasonably withhold. Any costs incurred due to the failure to meet the foregoing standards, or otherwise defective services which require re-performance, as directed by SCAQMD, shall be the responsibility of CONTRACTOR. CONTRACTOR's failure to achieve the performance goals and objectives stated in Attachment 1- Statement of Work, is not a basis for requesting re-performance unless work conducted by CONTRACTOR is deemed by SCAQMD to have failed the foregoing standards of performance.
 - E. CONTRACTOR shall require its subcontractors to abide by the requirements set forth in this Contract.
4. TERM – The term of this Contract is from date of January 1, 2015 to December 31, 2015. No work shall commence until this Contract is fully executed by all parties.

5. TERMINATION

- A. In the event any party fails to comply with any term or condition of this Contract, or fails to provide services in the manner agreed upon by the parties, including, but not limited to, the requirements of Attachment 1 – Statement of Work, this failure shall constitute a breach of this Contract. The non-breaching party shall notify the breaching party that it must cure this breach or provide written notification of its intention to terminate this contract. Notification shall be provided in the manner set forth in Clause 11. The non-breaching party reserves all rights under law and equity to enforce this contract and recover damages.
- B. SCAQMD reserves the right to terminate this Contract, in whole or in part, without cause, upon thirty (30) days' written notice. Once such notice has been given, CONTRACTOR shall, except as and to the extent or directed otherwise by SCAQMD, discontinue any Work being performed under this Contract and cancel any of CONTRACTOR's orders for materials, facilities, and supplies in connection with such Work, and shall use its best efforts to procure termination of existing subcontracts upon terms satisfactory to SCAQMD. Thereafter, CONTRACTOR shall perform only such services as may be necessary to preserve and protect any Work already in progress and to dispose of any property as requested by SCAQMD.
- C. CONTRACTOR shall be paid in accordance with this Contract for all Work performed before the effective date of termination under Clause 5.B. Before expiration of the thirty (30) days' written notice, CONTRACTOR shall promptly deliver to SCAQMD all copies of documents and other information and data prepared or developed by CONTRACTOR under this Contract with the exception of a record copy of such materials, which may be retained by CONTRACTOR.

6. STOP WORK – SCAQMD may, at any time, by written notice to CONTRACTOR, require CONTRACTOR to stop all or any part of the work tasks in this Contract. A stop work order may be issued for reasons including, but not limited to, the project exceeding the budget, out of scope work, delay in project schedule, or misrepresentations. Upon receipt of the stop work order, CONTRACTOR shall immediately take all necessary steps to comply with the order. CONTRACTOR shall resume the work only upon receipt of written instructions from SCAQMD cancelling the stop work order. CONTRACTOR agrees and understands that CONTRACTOR will not be paid for performing work while the stop work order is in effect, unless SCAQMD agrees to do so in its written cancellation of the stop work order.

7. INSURANCE

- A. CONTRACTOR shall furnish evidence to SCAQMD of workers' compensation insurance for each of its employees, in accordance with either California or other states' applicable statutory requirements prior to commencement of any work on this Contract.
- B. CONTRACTOR shall furnish evidence to SCAQMD of general liability insurance with a limit of at least \$1,000,000 per occurrence, and \$2,000,000 in a general aggregate prior to commencement of any work on this Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given by CONTRACTOR to SCAQMD.
- C. CONTRACTOR shall furnish evidence to SCAQMD of automobile liability insurance with limits of at least \$100,000 per person and \$300,000 per accident for bodily injuries, and \$50,000 in property damage, or \$1,000,000 combined single limit for bodily injury or property damage, prior to commencement of any work on this Contract. SCAQMD shall be named as an additional insured on any such liability policy, and thirty (30) days written notice prior to cancellation of any such insurance shall be given by CONTRACTOR to SCAQMD.
- D. CONTRACTOR shall furnish evidence to SCAQMD of Professional Liability Insurance with an aggregate limit of not less than \$5,000,000.

- E. If CONTRACTOR fails to maintain the required insurance coverage set forth above, SCAQMD reserves the right either to purchase such additional insurance and to deduct the cost thereof from any payments owed to CONTRACTOR or terminate this Contract for breach.
 - F. All insurance certificates should be mailed to: SCAQMD Risk Management, 21865 Copley Drive, Diamond Bar, CA 91765-4178. **The SCAQMD Contract Number must be included on the face of the certificate.**
 - G. CONTRACTOR must provide updates on the insurance coverage throughout the term of the Contract to ensure that there is no break in coverage during the period of contract performance. Failure to provide evidence of current coverage shall be grounds for termination for breach of Contract.
8. INDEMNIFICATION - CONTRACTOR agrees to hold harmless, defend and indemnify SCAQMD, its officers, employees, agents, representatives, and successors-in-interest against any and all loss, damage, costs, lawsuits, claims, demands, causes of action judgments, attorney's fees, or any other expenses arising from or related to any third party claim against SCAQMD, its officers, employees, agents, representatives, or successors in interest that arise or result in whole or in part, from any actual or alleged act or omission of CONTRACTOR, its employees, subcontractors, agents or representatives in the performance of this Contract.
9. PAYMENT
- A. SCAQMD shall pay CONTRACTOR a fixed price of TBD as a monthly fee for work performed under this Contract in accordance with Attachment 2 - Payment Schedule, attached here and included here by reference. Payment shall be made by SCAQMD to CONTRACTOR within thirty (30) days after approval by SCAQMD of an invoice prepared and furnished by CONTRACTOR showing services performed and referencing tasks and deliverables as shown in Attachment 1 - Statement of Work, and the amount of charge claimed. Each invoice must be prepared in duplicate, on company letterhead, and list SCAQMD's Contract number, period covered by invoice, and CONTRACTOR's social security number or Employer Identification Number and submitted to: South Coast Air Quality Management District, Attn: Ricardo A. Rivera.
 - B. SCAQMD reserves the right to disallow charges when the invoiced services are not performed satisfactorily in SCAQMD's sole judgment.
 - C. SCAQMD's payment of invoices shall be subject to the following limitations and requirements:
 - i) Charges for equipment, material, and supply costs, travel expenses, subcontractors, and other charges, as applicable, must be itemized by CONTRACTOR. Reimbursement for equipment, material, supplies, subcontractors, and other charges shall be made at actual cost. Supporting documentation must be provided for all individual charges (with the exception of direct labor charges provided by CONTRACTOR). SCAQMD's reimbursement of travel expenses and requirements for supporting documentation are listed below.
 - ii) CONTRACTOR's failure to provide receipts shall be grounds for SCAQMD's non-reimbursement of such charges. SCAQMD may reduce payments on invoices by those charges for which receipts were not provided.
 - iii) SCAQMD shall not pay interest, fees, handling charges, or cost of money on Contract.
 - D. SCAQMD shall reimburse CONTRACTOR for travel-related expenses only if such travel is expressly set forth in Attachment 2 – Cost Schedule of this Contract or pre-authorized by SCAQMD in writing.
 - i) SCAQMD's reimbursement of travel-related expenses shall cover lodging, meals, other incidental expenses, and costs of transportation subject to the following limitations:
 - Air Transportation - Coach class rate for all flights. If coach is not available, business class rate is permissible.

Car Rental - A compact car rental. A mid-size car rental is permissible if car rental is shared by three or more individuals.

Lodging - Up to One Hundred Fifty Dollars (\$150) per night. A higher amount of reimbursement is permissible if pre-approved by SCAQMD.

Meals - Daily allowance is Fifty Dollars (\$50.00).

ii) Supporting documentation shall be provided for travel-related expenses in accordance with the following requirements:

Lodging, Airfare, Car Rentals - Bill(s) for actual expenses incurred.

Meals - Meals billed in excess of \$50.00 each day require receipts or other supporting documentation for the total amount of the bill and must be approved by SCAQMD.

Mileage - Beginning each January 1, the rate shall be adjusted effective February 1 by the Chief Financial Officer based on the Internal Revenue Service Standard Mileage Rate

Other travel-related expenses - Receipts are required for all individual items.

E. SCAQMD reserves the right to disallow charges when the invoiced services are not performed satisfactorily in SCAQMD's sole judgment.

10. INTELLECTUAL PROPERTY RIGHTS - Title and full ownership rights to any software, documents, or reports developed under this Contract shall at all times remain with SCAQMD. Such material is agreed to be SCAQMD proprietary information.

A. Rights of Technical Data - SCAQMD shall have the unlimited right to use technical data, including material designated as a trade secret, resulting from the performance of services by CONTRACTOR under this Contract. CONTRACTOR shall have the right to use technical data for its own benefit.

B. Copyright - CONTRACTOR agrees to grant SCAQMD a royalty-free, nonexclusive, irrevocable license to produce, translate, publish, use, and dispose of all copyrightable material first produced or composed in the performance of this Contract.

11. NOTICES - Any notices from either party to the other shall be given in writing to the attention of the persons listed below, or to other such addresses or addressees as may hereafter be designated in writing for notices by either party to the other. Notice shall be given by certified, express, or registered mail, return receipt requested, and shall be effective as of the date of receipt indicated on the return receipt card.

SCAQMD: South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178
Attn: Lisha B. Smith

CONTRACTOR: ***TBD

Attn: ***

12. INDEPENDENT CONTRACTOR - CONTRACTOR is an independent contractor. CONTRACTOR, its officers, employees, agents, representatives, or subcontractors shall in no sense be considered employees or agents of SCAQMD, nor shall CONTRACTOR, its officers, employees, agents, representatives, or subcontractors be entitled to or eligible to participate in any benefits, privileges, or plans, given or extended by SCAQMD to its employees. SCAQMD will not supervise, direct, or have control over, or be responsible for, CONTRACTOR's or subcontractor's means, methods, techniques, work sequences or procedures or for the safety precautions and programs incident thereto, or for any failure by them to comply with any local, state, or federal laws, or rules or regulations, including state minimum wage laws and OSHA requirements.

CONTRACTOR shall promptly notify SCAQMD of any material changes to subcontracts that affect the Contract's scope of work, deliverable schedule, and/or payment/cost schedule.

13. CONFIDENTIALITY - It is expressly understood and agreed that SCAQMD may designate in a conspicuous manner the information which CONTRACTOR obtains from SCAQMD as confidential. CONTRACTOR agrees to:

- A. Observe complete confidentiality with respect to such information, including without limitation, agreeing not to disclose or otherwise permit access to such information by any other person or entity in any manner whatsoever, except that such disclosure or access shall be permitted to employees or subcontractors of CONTRACTOR requiring access in fulfillment of the services provided under this Contract.
- B. Ensure that CONTRACTOR's officers, employees, agents, representatives, and independent contractors are informed of the confidential nature of such information and to assure by agreement or otherwise that they are prohibited from copying or revealing, for any purpose whatsoever, the contents of such information or any part thereof, or from taking any action otherwise prohibited under this clause.
- C. Not use such information or any part thereof in the performance of services to others or for the benefit of others in any form whatsoever whether gratuitously or for valuable consideration, except as permitted under this Contract.
- D. Notify SCAQMD promptly and in writing of the circumstances surrounding any possession, use, or knowledge of such information or any part thereof by any person or entity other than those authorized by this clause.
- E. Take at CONTRACTOR expense, but at SCAQMD's option and in any event under SCAQMD's control, any legal action necessary to prevent unauthorized use of such information by any third party or entity which has gained access to such information at least in part due to the fault of CONTRACTOR.
- F. Take any and all other actions necessary or desirable to assure such continued confidentiality and protection of such information.
- G. Prevent access to such information by any person or entity not authorized under this Contract.
- H. Establish specific procedures in order to fulfill the obligations of this clause.
- I. Notwithstanding the above, nothing herein is intended to abrogate or modify the provisions of Government Code Section 6250 et.seq. (Public Records Act).

14. PUBLICATION

- A. SCAQMD shall have the right of prior written approval of any document which shall be disseminated to the public by CONTRACTOR in which CONTRACTOR utilized information obtained from SCAQMD in connection with performance under this Contract.
- B. Information, data, documents, or reports developed by CONTRACTOR for SCAQMD, pursuant to this Contract, shall be part of SCAQMD public record unless otherwise indicated. CONTRACTOR may use or publish, at its own expense, such information provided to SCAQMD. The following acknowledgment of support and disclaimer must appear in each publication of materials, whether copyrighted or not, based upon or developed under this Contract.

"This report was prepared as a result of work sponsored, paid for, in whole or in part, by the South Coast Air Quality Management District (SCAQMD). The opinions, findings, conclusions, and recommendations are those of the author and do not necessarily represent the views of SCAQMD. SCAQMD, its officers, employees, contractors, and subcontractors make no warranty, expressed or implied, and assume no legal liability for the information in this report. SCAQMD has not approved or disapproved this report, nor has SCAQMD passed upon the accuracy or adequacy of the information contained herein."

C. CONTRACTOR shall inform its officers, employees, and subcontractors involved in the performance of this Contract of the restrictions contained herein and require compliance with the above.

15. NON-DISCRIMINATION - In the performance of this Contract, CONTRACTOR shall not discriminate in recruiting, hiring, promotion, demotion, or termination practices on the basis of race, religious creed, color, national origin, ancestry, sex, age, or physical or mental disability and shall comply with the provisions of the California Fair Employment & Housing Act (Government Code Section 12900 et seq.), the Federal Civil Rights Act of 1964 (P.L. 88-352) and all amendments thereto, Executive Order No. 11246 (30 Federal Register 12319), and all administrative rules and regulations issued pursuant to said Acts and Order.
16. SOLICITATION OF EMPLOYEES - CONTRACTOR expressly agrees that CONTRACTOR shall not, during the term of this Contract, nor for a period of six months after termination, solicit for employment, whether as an employee or independent contractor, any person who is or has been employed by SCAQMD during the term of this Contract without the consent of SCAQMD.
17. PROPERTY AND SECURITY - Without limiting CONTRACTOR obligations with regard to security, CONTRACTOR shall comply with all the rules and regulations established by SCAQMD for access to and activity in and around SCAQMD premises.
18. ASSIGNMENT - The rights granted hereby may not be assigned, sold, licensed, or otherwise transferred by either party without the prior written consent of the other, and any attempt by either party to do so shall be void upon inception.
19. NON-EFFECT OF WAIVER - The failure of CONTRACTOR or SCAQMD to insist upon the performance of any or all of the terms, covenants, or conditions of this Contract, or failure to exercise any rights or remedies hereunder, shall not be construed as a waiver or relinquishment of the future performance of any such terms, covenants, or conditions, or of the future exercise of such rights or remedies, unless otherwise provided for herein.
20. ATTORNEYS' FEES - In the event any action is filed in connection with the enforcement or interpretation of this Contract, each party shall bear its own attorneys' fees and costs.
21. FORCE MAJEURE - Neither SCAQMD nor CONTRACTOR shall be liable or deemed to be in default for any delay or failure in performance under this Contract or interruption of services resulting, directly or indirectly, from acts of God, civil or military authority, acts of public enemy, war, strikes, labor disputes, shortages of suitable parts, materials, labor or transportation, or any similar cause beyond the reasonable control of SCAQMD or CONTRACTOR.
22. SEVERABILITY - In the event that any one or more of the provisions contained in this Contract shall for any reason be held to be unenforceable in any respect by a court of competent jurisdiction, such holding shall not affect any other provisions of this Contract, and the Contract shall then be construed as if such unenforceable provisions are not a part hereof.
23. HEADINGS - Headings on the clauses of this Contract are for convenience and reference only, and the words contained therein shall in no way be held to explain, modify, amplify, or aid in the interpretation, construction, or meaning of the provisions of this Contract.
24. DUPLICATE EXECUTION - This Contract is executed in duplicate. Each signed copy shall have the force and effect of an original.

25. GOVERNING LAW - This Contract shall be construed and interpreted and the legal relations created thereby shall be determined in accordance with the laws of the State of California. Venue for resolution of any disputes under this Contract shall be Los Angeles County, California.
26. PRE-CONTRACT COSTS - Any costs incurred by CONTRACTOR prior to CONTRACTOR receipt of a fully executed Contract shall be incurred solely at the risk of the CONTRACTOR. In the event that a formal Contract is not executed, the SCAQMD shall not be liable for any amounts expended in anticipation of a formal Contract. If a formal Contract does result, pre-contract cost expenditures authorized by the Contract will be reimbursed in accordance with the cost schedule and payment provision of the Contract.
27. CITIZENSHIP AND ALIEN STATUS
- A. CONTRACTOR warrants that it fully complies with all laws regarding the employment of aliens and others, and that its employees performing services hereunder meet the citizenship or alien status requirements contained in federal and state statutes and regulations including, but not limited to, the Immigration Reform and Control Act of 1986 (P.L. 99-603). CONTRACTOR shall obtain from all covered employees performing services hereunder all verification and other documentation of employees' eligibility status required by federal statutes and regulations as they currently exist and as they may be hereafter amended. CONTRACTOR shall have a continuing obligation to verify and document the continuing employment authorization and authorized alien status of employees performing services under this Contract to insure continued compliance with all federal statutes and regulations. Notwithstanding the above, CONTRACTOR, in the performance of this Contract, shall not discriminate against any person in violation of 8 USC Section 1324b.
- B. CONTRACTOR shall retain such documentation for all covered employees for the period described by law. CONTRACTOR shall indemnify, defend, and hold harmless SCAQMD, its officers and employees from employer sanctions and other liability which may be assessed against CONTRACTOR or SCAQMD, or both in connection with any alleged violation of federal statutes or regulations pertaining to the eligibility for employment of persons performing services under this Contract.
28. In accordance with the Political Reform Act of 1974 (Government Code Sec. 81000 et seq.) and regulations issued by the Fair Political Practices Commission (FPPC), SCAQMD has determined that the nature of the work to be performed under this Contract requires CONTRACTOR to submit a Form 700, Statement of Economic Interests for Designated Officials and Employees, for each of its employees assigned to work on this Contract. These forms may be obtained from SCAQMD's District Counsel's office.
- In addition, the Act requires a contractor to disqualify himself or herself from participating in, making or influencing a decision, which would have a foreseeable material effect on his or her financial interests.
29. CONTRACTOR's proposal dated TBD submitted in response to Request for Proposal (RFP) #P2015-09, is expressly incorporated herein by this reference and made a part hereof of this Contract.
30. KEY PERSONNEL – is deemed critical to the successful performance of this Contract. Any changes in key personnel by CONTRACTOR must be approved by SCAQMD. All substitute personnel must possess qualifications/experience equal to the original named key personnel and must be approved by SCAQMD. SCAQMD reserves the right to interview proposed substitute key personnel.
31. SUBCONTRACTOR APPROVAL – If CONTRACTOR intends to subcontract all or a portion of the work under this Contract, then CONTRACTOR must first obtain written approval from SCAQMD's Executive

Officer or designee prior to subcontracting any work. Any material changes to the subcontract(s) that affect the scope of work, deliverable schedule, and/or payment/cost schedule shall also require the prior written approval of the Executive Officer or designee. No subcontract charges will be reimbursed unless the required approvals have been obtained from SCAQMD.

32. ENTIRE CONTRACT - This Contract represents the entire agreement between the parties hereto related to CONTRACTOR providing services to SCAQMD and there are no understandings, representations, or warranties of any kind except as expressly set forth herein. No waiver, alteration, or modification of any of the provisions herein shall be binding on any party unless in writing and signed by the party against whom enforcement of such waiver, alteration, or modification is sought.

IN WITNESS WHEREOF, the parties to this Contract have caused this Contract to be duly executed on their behalf by their authorized representatives.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

TBD

Name:
Dr. William A. Burke, Chairman, Governing Board

Title:

Date: _____

Date: _____

ATTEST:
Saundra McDaniel, Clerk of the Board

By: _____

APPROVED AS TO FORM:
Kurt R. Wiese, General Counsel

By: _____

//Standard Boilerplate
Revised: April 3, 2013

ATTACHMENT A

CERTIFICATIONS AND REPRESENTATIONS



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178

(909) 396-2000 • www.aqmd.gov

Business Information Request

Dear SCAQMD Contractor/Supplier:

The South Coast Air Quality Management District (SCAQMD) is committed to ensuring that our contractor/supplier records are current and accurate. If your firm is selected for award of a purchase order or contract, it is imperative that the information requested herein be supplied in a timely manner to facilitate payment of invoices. In order to process your payments, we need the enclosed information regarding your account. **Please review and complete the information identified on the following pages, complete the enclosed W-9 form, remember to sign both documents for our files, and return them as soon as possible to the address below:**

**Attention: Accounts Payable, Accounting Department
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

If you do not return this information, we will not be able to establish you as a vendor. This will delay any payments and would still necessitate your submittal of the enclosed information to our Accounting department before payment could be initiated. Completion of this document and enclosed forms would ensure that your payments are processed timely and accurately.

If you have any questions or need assistance in completing this information, please contact Accounting at (909) 396-3777. We appreciate your cooperation in completing this necessary information.

Sincerely,

Michael B. O'Kelly
Chief Financial Officer

DH:tm

Enclosures: Business Information Request
Disadvantaged Business Certification
W-9
Form 590 Withholding Exemption Certificate
Federal Contract Debarment Certification
Campaign Contributions Disclosure
Direct Deposit Authorization

REV 3/13



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

BUSINESS INFORMATION REQUEST

Business Name	
Division of	
Subsidiary of	
Website Address	
Type of Business <i>Check One:</i>	<input type="checkbox"/> Individual <input type="checkbox"/> DBA, Name _____, County Filed in _____ <input type="checkbox"/> Corporation, ID No. _____ <input type="checkbox"/> LLC/LLP, ID No. _____ <input type="checkbox"/> Other _____

REMITTING ADDRESS INFORMATION

Address			
City/Town			
State/Province		Zip	
Phone	() - Ext	Fax	() -
Contact		Title	
E-mail Address			
Payment Name if Different			

All invoices must reference the corresponding Purchase Order Number(s)/Contract Number(s) if applicable and mailed to:

Attention: Accounts Payable, Accounting Department

**South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4178**

DISADVANTAGED BUSINESS CERTIFICATION

Federal guidance for utilization of disadvantaged business enterprises allows a vendor to be deemed a small business enterprise (SBE), minority business enterprise (MBE) or women business enterprise (WBE) if it meets the criteria below.

- is certified by the Small Business Administration or
- is certified by a state or federal agency or
- is an independent MBE(s) or WBE(s) business concern which is at least 51 percent owned and controlled by minority group member(s) who are citizens of the United States.

Statements of certification:

As a prime contractor to the SCAQMD, _____ (name of business) will engage in good faith efforts to achieve the fair share in accordance with 40 CFR Section 33.301, and will follow the six affirmative steps listed below **for contracts or purchase orders funded in whole or in part by federal grants and contracts.**

1. Place qualified SBEs, MBEs, and WBEs on solicitation lists.
2. Assure that SBEs, MBEs, and WBEs are solicited whenever possible.
3. When economically feasible, divide total requirements into small tasks or quantities to permit greater participation by SBEs, MBEs, and WBEs.
4. Establish delivery schedules, if possible, to encourage participation by SBEs, MBEs, and WBEs.
5. Use services of Small Business Administration, Minority Business Development Agency of the Department of Commerce, and/or any agency authorized as a clearinghouse for SBEs, MBEs, and WBEs.
6. If subcontracts are to be let, take the above affirmative steps.

Self-Certification Verification: Also for use in awarding additional points, as applicable, in accordance with SCAQMD Procurement Policy and Procedure:

Check all that apply:

- | | |
|---|--|
| <input type="checkbox"/> Small Business Enterprise/Small Business Joint Venture | <input type="checkbox"/> Women-owned Business Enterprise |
| <input type="checkbox"/> Local business | <input type="checkbox"/> Disabled Veteran-owned Business Enterprise/DVBE Joint Venture |
| <input type="checkbox"/> Minority-owned Business Enterprise | |

Percent of ownership: _____ %

Name of Qualifying Owner(s): _____

I, the undersigned, hereby declare that to the best of my knowledge the above information is accurate. Upon penalty of perjury, I certify information submitted is factual.

NAME

TITLE

TELEPHONE NUMBER

DATE

Definitions

Disabled Veteran-Owned Business Enterprise means a business that meets all of the following criteria:

- is a sole proprietorship or partnership of which is at least 51 percent owned by one or more disabled veterans, or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more disabled veterans; a subsidiary which is wholly owned by a parent corporation but only if at least 51 percent of the voting stock of the parent corporation is owned by one or more disabled veterans; or a joint venture in which at least 51 percent of the joint venture's management and control and earnings are held by one or more disabled veterans.
- the management and control of the daily business operations are by one or more disabled veterans. The disabled veterans who exercise management and control are not required to be the same disabled veterans as the owners of the business.
- is a sole proprietorship, corporation, partnership, or joint venture with its primary headquarters office located in the United States and which is not a branch or subsidiary of a foreign corporation, firm, or other foreign-based business.

Joint Venture means that one party to the joint venture is a DVBE and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that DVBE will receive at least 51 percent of the project dollars.

Local Business means a business that meets all of the following criteria:

- has an ongoing business within the boundary of the SCAQMD at the time of bid application.
- performs 90 percent of the work within SCAQMD's jurisdiction.

Minority-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more minority persons or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more minority persons.
- is a business whose management and daily business operations are controlled or owned by one or more minority person.
- is a business which is a sole proprietorship, corporation, partnership, joint venture, an association, or a cooperative with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

"Minority" person means a Black American, Hispanic American, Native American (including American Indian, Eskimo, Aleut, and Native Hawaiian), Asian-Indian American (including a person whose origins are from India, Pakistan, or Bangladesh), Asian-Pacific American (including a person whose origins are from Japan, China, the Philippines, Vietnam, Korea, Samoa, Guam, the United States Trust Territories of the Pacific, Northern Marianas, Laos, Cambodia, or Taiwan).

Small Business Enterprise means a business that meets the following criteria:

- a. 1) an independently owned and operated business; 2) not dominant in its field of operation; 3) together with affiliates is either:
 - **A service, construction, or non-manufacturer with 100 or fewer employees, and average annual gross receipts of ten million dollars (\$10,000,000) or less over the previous three years, or**
 - A manufacturer with 100 or fewer employees.
- b. Manufacturer means a business that is both of the following:
 - 1) Primarily engaged in the chemical or mechanical transformation of raw materials or processed substances into new products.
 - 2) Classified between Codes 311000 to 339000, inclusive, of the North American Industrial Classification System (NAICS) Manual published by the United States Office of Management and Budget, 2007 edition.

Small Business Joint Venture means that one party to the joint venture is a Small Business and owns at least 51 percent of the joint venture. In the case of a joint venture formed for a single project this means that the Small Business will receive at least 51 percent of the project dollars.

Women-Owned Business Enterprise means a business that meets all of the following criteria:

- is at least 51 percent owned by one or more women or in the case of any business whose stock is publicly held, at least 51 percent of the stock is owned by one or more women.
- is a business whose management and daily business operations are controlled or owned by one or more women.
- is a business which is a sole proprietorship, corporation, partnership, or a joint venture, with its primary headquarters office located in the United States, which is not a branch or subsidiary of a foreign corporation, foreign firm, or other foreign business.

**Request for Taxpayer
Identification Number and Certification**

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification (required): <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____ <input type="checkbox"/> Exempt payee <input type="checkbox"/> Other (see instructions) ▶ _____	
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number	
	-
	-

Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

Employer identification number	
	-

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. citizen or other U.S. person (defined below).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 4.

Sign Here	Signature of U.S. person ▶ _____	Date ▶ _____
------------------	----------------------------------	--------------

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Purpose of Form

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income.

Note. If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax on any foreign partners' share of income from such business. Further, in certain cases where a Form W-9 has not been received, a partnership is required to presume that a partner is a foreign person, and pay the withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid withholding on your share of partnership income.

The person who gives Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States is in the following cases:

- The U.S. owner of a disregarded entity and not the entity,
- The U.S. grantor or other owner of a grantor trust and not the trust, and
- The U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity not subject to backup withholding, give the requester the appropriate completed Form W-8.

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS a percentage of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the Part II instructions on page 3 for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See the instructions below and the separate instructions for the Requester of Form W-9.

Also see *Special rules for partnerships* on page 1.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Name

If you are an individual, you must generally enter the name shown on your income tax return. However, if you have changed your last name, for instance, due to marriage without informing the Social Security Administration of the name change, enter your first name, the last name shown on your social security card, and your new last name.

If the account is in joint names, list first, and then circle, the name of the person or entity whose number you entered in Part I of the form.

Sole proprietor. Enter your individual name as shown on your income tax return on the "Name" line. You may enter your business, trade, or "doing business as (DBA)" name on the "Business name/disregarded entity name" line.

Partnership, C Corporation, or S Corporation. Enter the entity's name on the "Name" line and any business, trade, or "doing business as (DBA)" name on the "Business name/disregarded entity name" line.

Disregarded entity. Enter the owner's name on the "Name" line. The name of the entity entered on the "Name" line should never be a disregarded entity. The name on the "Name" line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner's name is required to be provided on the "Name" line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the "Business name/disregarded entity name" line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the "Name" line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the "Name" line is an LLC, check the "Limited liability company" box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter "P" for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter "C" for C corporation or "S" for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the "Name" line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the "Name" line.

Other entities. Enter your business name as shown on required federal tax documents on the "Name" line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the "Business name/disregarded entity name" line.

Exempt Payee

If you are exempt from backup withholding, enter your name as described above and check the appropriate box for your status, then check the "Exempt payee" box in the line following the "Business name/disregarded entity name," sign and date the form.

Generally, individuals (including sole proprietors) are not exempt from backup withholding. Corporations are exempt from backup withholding for certain payments, such as interest and dividends.

Note. If you are exempt from backup withholding, you should still complete this form to avoid possible erroneous backup withholding.

The following payees are exempt from backup withholding:

1. An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2),
 2. The United States or any of its agencies or instrumentalities,
 3. A state, the District of Columbia, a possession of the United States, or any of their political subdivisions or instrumentalities,
 4. A foreign government or any of its political subdivisions, agencies, or instrumentalities, or
 5. An international organization or any of its agencies or instrumentalities.
- Other payees that may be exempt from backup withholding include:
6. A corporation,
 7. A foreign central bank of issue,
 8. A dealer in securities or commodities required to register in the United States, the District of Columbia, or a possession of the United States,
 9. A futures commission merchant registered with the Commodity Futures Trading Commission,
 10. A real estate investment trust,
 11. An entity registered at all times during the tax year under the Investment Company Act of 1940,
 12. A common trust fund operated by a bank under section 584(a),
 13. A financial institution,
 14. A middleman known in the investment community as a nominee or custodian, or
 15. A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 15.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 9
Broker transactions	Exempt payees 1 through 5 and 7 through 13. Also, C corporations.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 5
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 7 ²

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.
² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney, and payments for services paid by a federal executive agency.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN. However, the IRS prefers that you use your SSN.

If you are a single-member LLC that is disregarded as an entity separate from its owner (see *Limited Liability Company (LLC)* on page 2), enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note. See the chart on page 4 for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local Social Security Administration office or get this form online at www.ssa.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/businesses and clicking on Employer Identification Number (EIN) under Starting a Business. You can get Forms W-7 and SS-4 from the IRS by visiting IRS.gov or by calling 1-800-TAX-FORM (1-800-829-3676).

If you are asked to complete Form W-9 but do not have a TIN, write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note. Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded domestic entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, below, and items 4 and 5 on page 4 indicate otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on the "Name" line must sign. Exempt payees, see *Exempt Payee* on page 3.

Signature requirements. Complete the certification as indicated in items 1 through 3, below, and items 4 and 5 on page 4.

1. **Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.** You must give your correct TIN, but you do not have to sign the certification.
2. **Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983.** You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.
3. **Real estate transactions.** You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account)	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Custodian account of a minor (Uniform Gift to Minors Act)	The minor ²
4. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
5. Sole proprietorship or disregarded entity owned by an individual	The owner ³
6. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulation section 1.671-4(b)(2)(i)(A))	The grantor [*]
For this type of account:	Give name and EIN of:
7. Disregarded entity not owned by an individual	The owner
8. A valid trust, estate, or pension trust	Legal entity ⁴
9. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
10. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
11. Partnership or multi-member LLC	The partnership
12. A broker or registered nominee	The broker or nominee
13. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
14. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulation section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or "DBA" name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships* on page 1.

***Note.** Grantor also must provide a Form W-9 to trustee of trust.

Note. If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records from Identity Theft

Identity theft occurs when someone uses your personal information such as your name, social security number (SSN), or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN.
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Publication 4535, Identity Theft Prevention and Victim Assistance.

Victims of identity theft who are experiencing economic harm or a system problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes. Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at: spam@uce.gov or contact them at www.ftc.gov/idtheft or 1-877-IDTHEFT (1-877-438-4338).

Visit IRS.gov to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

2013 Withholding Exemption Certificate

590

This form can only be used to certify exemption from nonresident withholding under California Revenue and Taxation Code (R&TC) Section 18662. Do not use this form for exemption from wage withholding.

File this form with your withholding agent. (Please type or print)

Withholding agent's name _____

Payee's name _____

Payee's SSN or ITIN FEIN
 CA corp. no. CA SOS file no

Address (number and street, PO Box, or PMB no.) _____

Apt. no./ Ste. no. _____

City _____

State _____

ZIP Code _____

Read the following carefully and check the box that applies to the payee.

I certify that for the reasons checked below, the payee named on this form is exempt from the California income tax withholding requirement on payment(s) made to the entity or individual.

Individuals — Certification of Residency:

I am a resident of California and I reside at the address shown above. If I become a nonresident at any time, I will promptly notify the withholding agent. See instructions for General Information D, Who is a Resident, for the definition of a resident.

Corporations:

The above-named corporation has a permanent place of business in California at the address shown above or is qualified through the California Secretary of State (SOS) to do business in California. The corporation will file a California tax return and withhold on payments of California source income to nonresidents when required. If this corporation ceases to have a permanent place of business in California or ceases to do any of the above, I will promptly notify the withholding agent. See instructions for General Information F, What is a Permanent Place of Business, for the definition of permanent place of business.

Partnerships or limited liability companies (LLC):

The above-named partnership or LLC has a permanent place of business in California at the address shown above or is registered with the California SOS, and is subject to the laws of California. The partnership or LLC will file a California tax return and will withhold on foreign and domestic nonresident partners or members when required. If the partnership or LLC ceases to do any of the above, I will promptly inform the withholding agent. For withholding purposes, a limited liability partnership (LLP) is treated like any other partnership.

Tax-Exempt Entities:

The above-named entity is exempt from tax under California Revenue and Taxation Code (R&TC) Section 23701 _____ (insert letter) or Internal Revenue Code Section 501(c) _____ (insert number). The tax-exempt entity will withhold on payments of California source income to nonresidents when required. If this entity ceases to be exempt from tax, I will promptly notify the withholding agent. Individuals cannot be tax-exempt entities.

Insurance Companies, Individual Retirement Arrangements (IRAs), or Qualified Pension/Profit Sharing Plans:

The above-named entity is an insurance company, IRA, or a federally qualified pension or profit-sharing plan.

California Trusts:

At least one trustee and one noncontingent beneficiary of the above-named trust is a California resident. The trust will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required. If the trustee becomes a nonresident at any time, I will promptly notify the withholding agent.

Estates — Certification of Residency of Deceased Person:

I am the executor of the above-named person's estate. The decedent was a California resident at the time of death. The estate will file a California fiduciary tax return and will withhold on foreign and domestic nonresident beneficiaries when required.

Nonmilitary Spouse of a Military Servicemember:

I am a nonmilitary spouse of a military servicemember and I meet the Military Spouse Residency Relief Act (MSRRA) requirements. See instructions for General Information E, MSRRA.

CERTIFICATE: Please complete and sign below.

Under penalties of perjury, I hereby certify that the information provided in this document is, to the best of my knowledge, true and correct. If conditions change, I will promptly notify the withholding agent.

Payee's name and title (type or print) _____ Daytime telephone no. _____

Payee's signature _____ Date _____

Instructions for Form 590

Withholding Exemption Certificate

References in these instructions are to the California Revenue and Taxation Code (R&TC).

General Information

For purposes of California income tax, references to a spouse, husband, or wife also refer to a Registered Domestic Partner (RDP) unless otherwise specified. For more information on RDPs, get FTB Pub. 737, Tax Information for Registered Domestic Partners. **Private Mail Box (PMB)** – Include the PMB in the address field. Write “PMB” first, then the box number. Example: 111 Main Street PMB 123.

Foreign Address – Enter the information in the following order: City, Country, Province/Region, and Postal Code. Follow the country's practice for entering the postal code. Do not abbreviate the country's name.

A Purpose

Use Form 590, Withholding Exemption Certificate, to certify an exemption from nonresident withholding. California residents or entities should complete and present Form 590 to the withholding agent. The withholding agent is then relieved of the withholding requirements if the agent relies in good faith on a completed and signed Form 590 unless told by the Franchise Tax Board (FTB) that the form should not be relied upon.

Important – This form cannot be used for exemption from wage and real estate withholding.

- If you are an employee, any wage withholding questions should be directed to the FTB General Information number, 800.852.5711. Employers should call 888.745.3886 or go to edd.ca.gov.
- Sellers of California real estate use Form 593-C, Real Estate Withholding Certificate, to claim an exemption from real estate withholding.

B Requirement

R&TC Section 18662 requires withholding of income or franchise tax on payments of California source income made to nonresidents of California.

Withholding is required on the following, but is not limited to:

- Payments to nonresidents for services rendered in California.
- Distributions of California source income made to domestic nonresident S corporation shareholders, partners and members and allocations of California source income made to foreign partners and members.
- Payments to nonresidents for rents if the payments are made in the course of the withholding agent's business.
- Payments to nonresidents for royalties with activities in California.

- Distributions of California source income to nonresident beneficiaries from an estate or trust.
- Prizes and winnings received by nonresidents for contests in California.

However, withholding is optional if the total payments of California source income are \$1,500 or less during the calendar year.

For more information on withholding get FTB Pub. 1017, Resident and Nonresident Withholding Guidelines. To get a withholding publication see General Information H, Publications, Forms, and Additional Information.

Backup Withholding – Beginning on or after January 1, 2010, with certain limited exceptions, payers that are required to withhold and remit backup withholding to the Internal Revenue Service (IRS) are also required to withhold and remit to the FTB. The California backup withholding rate is 7% of the payment. For California purposes, dividends, interests, and any financial institutions' release of loan funds made in the normal course of business are exempt from backup withholding. For additional information on California backup withholding, go to ftb.ca.gov and search for **backup withholding**.

If a payee has backup withholding, the payee must contact the FTB to provide a valid Taxpayer Identification Number (TIN) before filing a tax return. The following are acceptable TINs: social security number (SSN); individual taxpayer identification number (ITIN); federal employer identification number (FEIN); California corporation number (CA Corp No.); or California Secretary of State (SOS) file number. Failure to provide a valid TIN will result in the denial of the backup withholding credit. For more information go to ftb.ca.gov and search for **backup withholding**.

Who is Excluded from Withholding – The following are excluded from withholding and completing this form:

- The United States and any of its agencies or instrumentalities
- A state, a possession of the United States, the District of Columbia, or any of its political subdivisions or instrumentalities
- A foreign government or any of its political subdivisions, agencies, or instrumentalities

C Who Certifies this Form

Form 590 is certified by the payee. An incomplete certificate is invalid and the withholding agent should not accept it. If the withholding agent receives an incomplete certificate, the withholding agent is required to withhold tax on payments made to the payee until a valid certificate is received. In lieu of a completed certificate on the preprinted form, the

withholding agent may accept as a substitute certificate a letter from the payee explaining why the payee is not subject to withholding. The letter must contain all the information required on the certificate in similar language, including the under penalty of perjury statement and the payee's taxpayer identification number. The withholding agent must retain a copy of the certificate or substitute for at least four years after the last payment to which the certificate applies, and provide it upon request to the FTB.

For example, if an entertainer (or the entertainer's business entity) is paid for a performance, the entertainer's information must be provided. Do not submit the entertainer's agent or promoter information.

The grantor of a grantor trust shall be treated as the payee for withholding purposes. Therefore, if the payee is a grantor trust and one or more of the grantors is a nonresident, withholding is required. If all of the grantors on the trust are residents, no withholding is required. Resident grantors can check the box on Form 590 labeled “Individuals — Certification of Residency.”

D Who is a Resident

A California resident is any individual who is in California for other than a temporary or transitory purpose or any individual domiciled in California who is absent for a temporary or transitory purpose.

An individual domiciled in California who is absent from California for an uninterrupted period of at least 546 consecutive days under an employment-related contract is considered outside California for other than a temporary or transitory purpose.

An individual is still considered outside California for other than a temporary or transitory purpose if return visits to California do not total more than 45 days during any taxable year covered by an employment contract.

This provision does not apply if an individual has income from stocks, bonds, notes, or other intangible personal property in excess of \$200,000 in any taxable year in which the employment-related contract is in effect.

A spouse/RDP absent from California for an uninterrupted period of at least 546 days to accompany a spouse/RDP under an employment-related contract is considered outside of California for other than a temporary or transitory purpose.

Generally, an individual who comes to California for a purpose which will extend over a long or indefinite period will be considered a resident. However, an individual who comes to perform a particular contract of short duration will be considered a nonresident.

For assistance in determining resident status, get FTB Pub. 1031, Guidelines for Determining Resident Status, and FTB Pub. 1032, Tax Information for Military Personnel, or call the FTB at 800.852.5711 or 916.845.6500.

E Military Spouse Residency Relief Act (MSRRA)

Generally, for tax purposes you are considered to maintain your existing residence or domicile. If a military servicemember and nonmilitary spouse have the same state of domicile, the MSRRA provides:

- A spouse shall not be deemed to have lost a residence or domicile in any state solely by reason of being absent to be with the servicemember serving in compliance with military orders.
- A spouse shall not be deemed to have acquired a residence or domicile in any other state solely by reason of being there to be with the servicemember serving in compliance with military orders.

Domicile is defined as the one place:

- Where you maintain a true, fixed, and permanent home
- To which you intend to return whenever you are absent

A military servicemember's nonmilitary spouse is considered a nonresident for tax purposes if the servicemember and spouse have the same domicile outside of California and the spouse is in California solely to be with the servicemember who is serving in compliance with Permanent Change of Station orders. Note: California may require nonmilitary spouses of military servicemembers to provide proof that they meet the criteria for California personal income tax exemption as set forth in the MSRRA.

Income of a military servicemember's nonmilitary spouse for services performed in California is not California source income subject to state tax if the spouse is in California to be with the servicemember serving in compliance with military orders, and the servicemember and spouse have the same domicile in a state other than California.

For additional information or assistance in determining whether the applicant meets the MSRRA requirements, get FTB Pub. 1032.

F What is a Permanent Place of Business

A corporation has a permanent place of business in California if it is organized and existing under the laws of California or if it is a foreign corporation qualified to transact intrastate business by the California SOS. A corporation that has not qualified to transact intrastate business (e.g., a corporation engaged exclusively in interstate commerce) will be considered as having a permanent place of business in California only if it maintains a permanent office in California that is permanently staffed by its employees.

G Withholding Agent

Keep Form 590 for your records. Do not send this form to the FTB unless it has been specifically requested.

For more information, contact Withholding Services and Compliance, see General Information H.

The payee must notify the withholding agent if any of the following situations occur:

- The individual payee becomes a nonresident.
- The corporation ceases to have a permanent place of business in California or ceases to be qualified to do business in California.
- The partnership ceases to have a permanent place of business in California.
- The LLC ceases to have a permanent place of business in California.
- The tax-exempt entity loses its tax-exempt status.

The withholding agent must then withhold and report the withholding using Form 592, Resident and Nonresident Withholding Statement, and remit the withholding using Form 592-V, Payment Voucher for Resident and Nonresident Withholding. Form 592-B, Resident and Nonresident Withholding Tax Statement, is retained by the withholding agent and a copy is given to the payee.

H Additional Information

To get additional nonresident withholding information, contact the Withholding Services and Compliance.

WITHHOLDING SERVICES AND COMPLIANCE MS F182
FRANCHISE TAX BOARD
PO BOX 942867
SACRAMENTO CA 94267-0651

Telephone: 888.792.4900

916.845.4900

Fax: 916.845.9512

You can download, view, and print California tax forms and publications at ftb.ca.gov.

OR to get forms by mail write to:

TAX FORMS REQUEST UNIT MS F284
FRANCHISE TAX BOARD
PO BOX 307
RANCHO CORDOVA CA 95741-0307

For all other questions unrelated to withholding or to access the TTY/TDD numbers, see the information below.

Internet and Telephone Assistance

Website: ftb.ca.gov

Telephone: 800.852.5711 from within the United States
916.845.6500 from outside the United States

TTY/TDD: 800.822.6268 for persons with hearing or speech impairments

Asistencia Por Internet y Teléfono

Sitio web: ftb.ca.gov

Teléfono: 800.852.5711 dentro de los Estados Unidos
916.845.6500 fuera de los Estados Unidos

TTY/TDD: 800.822.6268 personas con discapacidades auditivas y del habla

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prospective participant certifies to the best of its knowledge and belief that it and the principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them or commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction: violation of Federal or State antitrust statute or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State, or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to 5 years, or both.

Typed Name & Title of Authorized Representative

Signature of Authorized Representative Date

I am unable to certify to the above statements. My explanation is attached.

EPA Form 5700-49 (11-88)



CAMPAIGN CONTRIBUTIONS DISCLOSURE

In accordance with California law, bidders and contracting parties are required to disclose, at the time the application is filed, information relating to any campaign contributions made to South Coast Air Quality Management District (SCAQMD) Board Members or members/alternates of the MSRC, including: the name of the party making the contribution (which includes any parent, subsidiary or otherwise related business entity, as defined below), the amount of the contribution, and the date the contribution was made. 2 C.C.R. §18438.8(b).

California law prohibits a party, or an agent, from making campaign contributions to SCAQMD Governing Board Members or members/alternates of the Mobile Source Air Pollution Reduction Review Committee (MSRC) of more than \$250 while their contract or permit is pending before the SCAQMD; and further prohibits a campaign contribution from being made for three (3) months following the date of the final decision by the Governing Board or the MSRC on a donor's contract or permit. Gov't Code §84308(d). For purposes of reaching the \$250 limit, the campaign contributions of the bidder or contractor plus contributions by its parents, affiliates, and related companies of the contractor or bidder are added together. 2 C.C.R. §18438.5.

In addition, SCAQMD Board Members or members/alternates of the MSRC must abstain from voting on a contract or permit if they have received a campaign contribution from a party or participant to the proceeding, or agent, totaling more than \$250 in the 12-month period prior to the consideration of the item by the Governing Board or the MSRC. Gov't Code §84308(c).

The list of current SCAQMD Governing Board Members can be found at the SCAQMD website (www.aqmd.gov). The list of current MSRC members/alternates can be found at the MSRC website (<http://www.cleantransportationfunding.org>).

SECTION I.

Contractor (Legal Name): _____

- DBA, Name _____, County Filed in _____
Corporation, ID No. _____
LLC/LLP, ID No. _____

List any parent, subsidiaries, or otherwise affiliated business entities of Contractor:
(See definition below).

SECTION II.

Has Contractor and/or any parent, subsidiary, or affiliated company, or agent thereof, made a campaign contribution(s) totaling \$250 or more in the aggregate to a current member of the South Coast Air Quality Management Governing Board or member/alternate of the MSRC in the 12 months preceding the date of execution of this disclosure?

Yes No **If YES, complete Section II below and then sign and date the form. If NO, sign and date below. Include this form with your submittal.**

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

Name of Contributor _____

Governing Board Member or MSRC Member/Alternate Amount of Contribution Date of Contribution

I declare the foregoing disclosures to be true and correct.

By: _____

Title: _____

Date: _____

DEFINITIONS

Parent, Subsidiary, or Otherwise Related Business Entity (2 Cal. Code of Regs., §18703.1(d).)

- (1) Parent subsidiary. A parent subsidiary relationship exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation.
- (2) Otherwise related business entity. Business entities, including corporations, partnerships, joint ventures and any other organizations and enterprises operated for profit, which do not have a parent subsidiary relationship are otherwise related if any one of the following three tests is met:
 - (A) One business entity has a controlling ownership interest in the other business entity.
 - (B) There is shared management and control between the entities. In determining whether there is shared management and control, consideration should be given to the following factors:
 - (i) The same person or substantially the same person owns and manages the two entities;
 - (ii) There are common or commingled funds or assets;
 - (iii) The business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis;
 - (iv) There is otherwise a regular and close working relationship between the entities; or
 - (C) A controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.



South Coast
AIR QUALITY MANAGEMENT DISTRICT
 21865 Copley Dr., Diamond Bar, CA 91765
 www.aqmd.gov

Direct Deposit Authorization

STEP 1: Please check all the appropriate boxes

- | | |
|--|--|
| <input type="checkbox"/> Individual (Employee, Governing Board Member) | <input type="checkbox"/> New Request |
| <input type="checkbox"/> Vendor/Contractor | <input type="checkbox"/> Cancel Direct Deposit |
| <input type="checkbox"/> Changed Information | |

STEP 2: Payee Information

Last Name		First Name		Middle Initial	Title
Vendor/Contractor Business Name (if applicable)					
Address				Apartment or P.O. Box Number	
City		State	Zip	Country	
Taxpayer ID Number		Telephone Number		Email Address	

Authorization

- I authorize South Coast Air Quality Management District (SCAQMD) to direct deposit funds to my account in the financial institution as indicated below. I understand that the authorization may be rejected or discontinued by SCAQMD at any time. If any of the above information changes, I will promptly complete a new authorization agreement. If the direct deposit is not stopped before closing an account, funds payable to me will be returned to SCAQMD for distribution. This will delay my payment.
- This authorization remains in effect until SCAQMD receives written notification of changes or cancellation from you.
- I hereby release and hold harmless SCAQMD for any claims or liability to pay for any losses or costs related to insufficient fund transactions that result from failure within the Automated Clearing House network to correctly and timely deposit monies into my account.

STEP 3:

You must verify that your bank is a member of an Automated Clearing House (ACH). Failure to do so could delay the processing of your payment. You must attach a voided check or have your bank complete the bank information and the account holder must sign below.

To be Completed by your Bank

Staple Voided Check Here	Name of Bank/Institution				
	Account Holder Name(s)				
	<input type="checkbox"/> Saving <input type="checkbox"/> Checking		Account Number	Routing Number	
	Bank Representative Printed Name		Bank Representative Signature		Date
	ACCOUNT HOLDER SIGNATURE:				Date

For SCAQMD Use Only

Input By _____

Date _____

ATTACHMENT B

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

2014 Governing Board State Legislative Goals and Objectives

SCAQMD Authority / Policy Implementation

Protect SCAQMD's authority to ensure its implementation of the Board's clean air policies and programs, as required by state and federal law, including the 2007 and 2012 AQMPs. As well, seek to broaden current air district authority to address chronic, serial violators.

Environmental Justice

Support legislation to promote environmental justice initiatives, to reduce localized health risks, to develop clean air technology that directly benefits disproportionately impacted communities, and to enhance community participation in decision-making.

Energy

Support legislation that advances the Board's Energy Policy which promotes reliable, cost effective and clean energy for all consumers in the basin facilitating attainment of clean air standards and support for a healthy economy.

Salton Sea

In conjunction with the Imperial County Air Pollution Control District and other stakeholders, work on legislation mitigating the Salton Sea's potential for increased emissions as well as its potential to generate renewable energy.

Mobile Sources

Support legislative and/or regulatory actions that reduce mobile source emissions within the South Coast region, as needed, to attain clean air standards by statutory deadlines. Oppose legislative efforts to roll back feasible regulations needed to attaining clean air standards pursuant to the Air Quality Management Plan.

Surface Transportation & Goods Movement

Support and expand air quality policy and funding considerations and the role of air districts in the implementation of state and federal surface transportation and goods movement policies and programs, including those relating to MAP-21 and its successor legislation.

Air Quality Funding

Right-size funding for clean air programs that protect public health, particularly incentive programs and research and development projects that create opportunities to partner with local businesses, communities and residents.



[↑ Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 11

PROPOSAL: Approve Contract Award Approved by MSRC

SYNOPSIS: The MSRC approved an award to Anaheim Transportation Network to provide Circulator Service as part of the Event Center Transportation Program under the FYs 2012-14 Work Program. At this time the MSRC seeks Board approval of the contract award under the FYs 2012-14 Work Program.

COMMITTEE: Mobile Source Air Pollution Reduction Review, August 21, 2014, Recommended for Approval

RECOMMENDED ACTIONS:

1. Approve a contract award to the Anaheim Transportation Network in an amount not to exceed \$221,312 to provide transit service from three points in the Anaheim Resort to the Anaheim Regional Transportation Intermodal Center for the 2014-15 and 2015-16 Anaheim Ducks hockey seasons and the 2015 and 2016 Angels baseball seasons, with funding for the second year contingent upon an assessment of the first year's performance, using \$167,225 from the funding previously allocated and \$54,087 newly allocated to the Event Center Transportation Program, as part of approval of the FYs 2012-14 Work Program, as described in this letter;
2. Authorize MSRC the authority to adjust contract awards up to five percent, as necessary and previously granted in prior work programs; and
3. Authorize the Chairman of the Board to execute the new contract under the FYs 2012-14 Work Program, as described above and in this letter.

Greg Pettis,
Chair, MSRC



Background

In September 1990 Assembly Bill 2766 was signed into law (Health & Safety Code Sections 44220-44247) authorizing the imposition of an annual \$4 motor vehicle registration fee to fund the implementation of programs exclusively to reduce air pollution from motor vehicles. AB 2766 provides that 30 percent of the annual \$4 vehicle registration fee subvented to the SCAQMD be placed into an account to be allocated pursuant to a work program developed and adopted by the MSRC and approved by the Board.

The MSRC completed selecting categories and targeted funding amounts for the FYs 2012-14 Work Program in May 2013. At its August 21, 2014 meeting, the MSRC considered a recommended award under the Major Event Center Transportation Program. Details are provided below in the Proposals section.

Outreach

In accordance with SCAQMD's Procurement Policy and Procedure, a public notice advertising the Major Event Center Transportation Program Announcement was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County Press Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin. In addition, the solicitation was advertised in the Desert Sun newspaper for expanded outreach in the Coachella Valley.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the Program Announcement has been e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's Website (<http://www.aqmd.gov>). Further, the solicitation was posted on the MSRC's website at <http://www.cleantransportationfunding.org> and electronic notifications were sent to those subscribing to this website's notification service.

Proposals

At its August 21, 2014 meeting, the MSRC considered recommendations from its MSRC-TAC and unanimously approved the following:

FYs 2012-14 Event Center Transportation Program

As part of the FYs 2012-14 Work Program, the MSRC allocated \$4.0 million for event center transportation programs and released a Program Announcement to solicit projects for traffic-impacted centers. In September 2013 the MSRC subsequently allocated an

additional \$27,450 to the Program. To date, \$3,409,428 has already been awarded. In response to the Program Announcement, the Anaheim Transportation Network requested the MSRC to consider an award of \$221,312 to provide transit service from Downtown Disney, the Anaheim Convention Center, and the Shops at Anaheim GardenWalk to the Anaheim Regional Transportation Intermodal Center for the 2014-15 and 2015-16 Anaheim Ducks hockey seasons and the 2015 and 2016 Angels baseball seasons. The proposed Circulator Service would provide service for all home games, both weekdays and weekends. Initial passenger pickups would begin two hours prior to the particular event and continue until the event start time. Service departing an event center would begin in the seventh inning for Angels games, and one half hour prior to the scheduled conclusion for all other events, and continue for one hour after the event concludes—even if it runs long. In addition to allowing event attendees to use public transportation for all or a portion of their trip, the service would also reduce vehicle traffic in and around the event centers. Elimination of traffic congestion, especially reductions in automobile stop and go driving and queuing, has a direct link to reduced vehicle exhaust emissions. ATN and its project partners would collectively contribute \$311,200 in co-funding including fare box revenue, marketing design and production, advertising and marketing purchases, and transportation provided as part of the Reviving Baseball in Inner Cities Program for low-income disadvantaged youths. Due to the need to reserve \$450,797 towards unmet geographic minimums, the MSRC allocated an additional \$54,087 towards the FYs 2012-14 Major Event Center Transportation Program and approved a contract award to ATN in an amount not to exceed \$221,312 in funding for ATN's proposed Circulator Service, with the funding for the second year contingent upon an assessment of the first year's performance and requiring the collection of sufficient data to help determine the effectiveness of the project as part of the FYs 2012-14 AB 2766 Discretionary Fund Work Program.

At this time the MSRC requests the SCAQMD Board to approve the contract award as part of approval of the FYs 2012-14 AB 2766 Discretionary Fund Work Program as outlined above. The MSRC also requests the Board to authorize the SCAQMD Chairman of the Board the authority to execute all agreements described in this letter. The MSRC further requests authority to adjust the funds allocated to each project specified in this Board letter by up to five percent of the project's recommended funding. The Board has granted this authority to the MSRC for all past Work Programs.

Resource Impacts

The SCAQMD acts as fiscal administrator for the AB 2766 Discretionary Fund Program (Health & Safety Code Section 44243). Money received for this program is recorded in a special revenue fund (Fund 23) and the contracts specified herein, as well as any contracts awarded in response to the solicitation, will be drawn from this fund.

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 13

PROPOSAL: Recommendation to Amend Governing Board Meeting Procedures

SYNOPSIS: The Governing Board has adopted written procedures for conducting Board meetings. The procedures address key issues the Board faces on a recurring basis. This item is a recommendation to amend the procedures to clarify the Board's policy on making modifications to the text of proposals at the Board hearing. This item also incorporates the Governing Board Meeting Procedures into the SCAQMD Administrative Code.

COMMITTEE: Administrative, July 18, 2014; Recommended for Approval as Revised

RECOMMENDED ACTIONS:

1. Approve amendments to the SCAQMD Governing Board Meeting Procedures as shown in Attachment A.
2. Incorporate the Governing Board Meeting Procedures, as amended, into the SCAQMD Administrative Code as new section 30 (Attachment A).

Barry R. Wallerstein, D.Env.
Executive Officer

KRW:vmr

Background

This item is to adopt a policy regarding the timing of changes to the text of any items that are considered by the Governing Board at Board meetings.

For rules and rule amendments, state law places limitations on the timing of changes to their text. Pursuant to Health & Safety Code section 40725(b), SCAQMD must provide the full text of rules and rule amendments to the public at least 30 days before the public

hearing at which the Governing Board considers the item. Any changes to the text of a proposed rule or rule amendment made after the 30-day notice is given—for example, at the Governing Board meeting—must comply with Health & Safety Code section 40726. That section states that the Board may adopt an item at a public hearing “unless the board makes changes in the text originally made available to the public that are so substantial as to significantly affect the meaning of the proposed rule or regulation.” The Governing Board has adopted procedures to implement this section of the Health & Safety Code to identify when last-minute changes are “so substantial to significantly affect the meaning of the proposed rule or regulation.”

Subject to the noticing requirements of the Brown Act, for items other than rules and rule amendments, there are no legal limitations on the timing of changes to the text of these items; nor has the Board adopted a policy regarding the timing of changes to these items.

The Administrative Committee has recently directed the staff to develop a new policy for making last-minute changes to any items that the Board considers. For rules and rule amendments, the Committee’s policy would tighten the time period in which changes can be made as compared to Health & Safety Code section 40726 and existing SCAQMD Governing Board Meeting Procedures implementing section 40726. The new policy, as revised by the Administrative Committee at the meeting on July 18, 2014, clarifies that as a policy matter, the Governing Board will not accept changes to the text of any item after the Friday of the week before the Governing Board meeting unless the change responds to an emergency. The policy does not change applicable law so, as a legal matter, the Board retains the discretion to change the text of a proposed rule or rule amendment at a public hearing on the item consistent with Health & Safety Code section 40726 and existing Board policy interpreting section 40726. Whether an emergency exists will be determined by the Chairman in consultation with the Executive Officer.

Proposal

- Amend Governing Board Procedures section 30.6, as shown in Attachment A. Only the underlined text on page 4 is new; the rest was adopted by the Board in 1994.
- Incorporate the Governing Board Procedures into the SCAQMD Administrative Code in a new section 30.

Resource Impacts

None.

Attachments

Resolution

A – Governing Board Meeting Procedures

RESOLUTION NO. 14-__

A Resolution of the South Coast Air Quality Management District Board amending procedures for meetings of the SCAQMD Board.

WHEREAS, the SCAQMD Board has adopted procedures ensuring that meetings of the Board are orderly, fair, and lawfully consider agenda items;

WHEREAS, the SCAQMD Board finds that fairness and orderly conduct of the Board meeting will be promoted by adopting a policy limiting changes to the text of items following the last Board Assistants' Briefing prior to the Board meeting where the item is considered;

NOW, THEREFORE BE IT RESOLVED that the SCAQMD Board hereby amends the SCAQMD Governing Board Meeting Procedures, as shown in Attachment A, and incorporates these procedures into section 30 of the Administrative Code.

DATED: _____

SAUNDRA McDANIEL
Clerk of the Board

ATTACHMENT A

Section 30 – SCAQMD Governing Board Meeting Procedures

30.1 – Index

30.2	General
30.3	Placement of Items on the Board Agenda
30.4	Authorities and Duties of the Chair
30.5	Receipt of Public Testimony
30.6	Changes to Text of Proposed Items
30.7	Motions
30.8	Voting
30.9	Reconsideration or Amendment of Completed Agenda Items
30.10	Continuance Upon Lack of Action
30.11	Prohibition of Megaphones, Large Signs, and Sticks

Section 30.2 – General

These rules shall apply to meetings of the SCAQMD Governing Board. Except as otherwise required by law, these rules may be suspended by order of the Board. Failure to follow these rules shall not invalidate any action taken.

Section 30.3 – Placement of Items on the Board Agenda.

1. Placement. Any Board member may place an item on the agenda for the next regular Board meeting, provided that the request for such placement is made prior to or at the Administrative Committee meeting which reviews the agenda for that Board meeting. The Chair may authorize the addition of items to the agenda after the Administrative Committee meeting if there is an urgent need for Board action.
2. Removal. A Board member may remove an agenda item that he or she placed on the agenda if such a request is made prior to public distribution of the agenda.
3. Reconsideration. The Board may reconsider any agenda item that previously received official action (i.e., approval or disapproval by the required majority vote of the Board), provided that the request for reconsideration is made by a Board member who voted with the prevailing side. If there was no prevailing side, i.e., no side received the number of votes required for action under applicable statutes, any member may request reconsideration.

Section 30.4 – Authorities and Duties of Chair.

The Chair shall preside over meetings of the Board and shall possess the authorities and perform the duties specified in this subdivision, subject to the right of appeal to the Board pursuant to subparagraph (e)(2)(D). In the absence of the Chair, the Vice Chair shall exercise the authorities and duties of the Chair. The authorities and duties of the Chair are as follows:

- (1) call the meeting to order;

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- (2) preserve order and decorum;
- (3) consistent with paragraph (d)(2), limit the amount of time that a person may address the Board during public testimony in order to accommodate those persons desiring to speak and to facilitate the business of the Board;
- (4) recognize members who are entitled to the floor;
- (5) state and put to vote all motions that are properly made, or, if a motion is not in order, to rule it out of order;
- (6) decide all questions of order;
- (7) schedule recesses and take other actions to endeavor to assure the presence of a quorum in the Board room at all times during a meeting;
- (8) declare the meeting adjourned when the Board so votes, or if less than a quorum is present, on the Chair's own initiative; and
- (9) designate an acting Chair to preside at the Board meeting in the absence of the Chair and Vice Chair.

Section 30.5 – Receipt of Testimony.

- (1) Public's Right to Testify. The Board will allow testimony by the public on any agenda item before or during the Board's consideration of the item. The Board need not allow public testimony on any item that has already been considered by the Board or a Board committee at a public meeting where all interested members of the public were afforded the opportunity to testify on the item, unless the item has been substantially changed since the Board or committee considered the item.
- (2) Time Allotted for Testimony. Each member of the public wishing to testify shall file a Request to Speak card with the Clerk of the Board. To facilitate an orderly proceeding, the card should be filed prior to commencement of consideration of the item, and must be filed prior to the close of the public testimony regarding the item. Each member of the public timely filing a Request to Speak card shall be afforded at least three minutes to testify. The Chair may increase this allotment for an individual speaker if the issues addressed are complex or if the speaker represents other persons.
- (3) Written Submittals. The Clerk of the Board shall not be required to accept written testimony or comments unless 25 copies of such testimony or comments are provided.
- (4) Public Hearings. Agenda items requiring a public hearing shall be subject to this paragraph.
 - (A) Closing Public Testimony. The Chair shall close the public testimony portion of a public hearing after all persons timely filing Request to Speak cards have testified. The Board may thereafter deliberate and vote on the item.

ATTACHMENT A

- (B) Reopening Public Testimony.
- (i) Reopening During Hearing. Public testimony may be reopened by the Chair or Board at any time prior to the conclusion of the Board's consideration of the item. The Chair or Board may restrict testimony to a limited number of persons specified by the Chair or Board, if such testimony is solely to summarize or clarify information already in the record.
 - (ii) Reopening After Continuance. If, after closing public testimony, the Board continues the item to a later time or date for deliberations and voting, public testimony may not be reopened at the continued hearing unless (1) public notice required for a hearing on the matter has been given, or (2) prior to continuing the item, the Board announced its intention to reopen public testimony at the continued hearing.
- (C) Receipt of Information Outside of Record Regarding Proposed Rules. If a Board member receives information which is not in the record and which is material to the member's vote on a proposed rule, the member shall disclose that information on the record either verbally or in writing. If the information disclosed by a Board member could substantially influence the decision of the Board and was not available to the public prior to the close of public testimony, the hearing shall be reopened to allow public comment on the new information.
- (D) Testimony and Action on Proposed Rules Modified After Public Notice.
- (i) If, subsequent to issuance of the 30 day public notice of hearing to adopt or amend a rule, changes are made in the text of the proposed rule which significantly affect its meaning, the Board may consider and hear public comment regarding the proposed rule at the noticed hearing but shall not take action on the changed text. The Board shall publicly release or summarize the text changes and shall continue the hearing to no earlier than its next regular meeting. At the subsequent meeting, the Board shall allow testimony regarding the changed text prior to taking final action. In determining whether or not a proposed change significantly affects the meaning of a rule, the following factors shall be considered:
 - (a) impact of the change on emission reductions,
 - (b) impact of the change on sources regulated by the rule,
 - (c) the contents of the public notice, and
 - (d) the range of project alternatives described in the CEQA document.

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Section 30.6 – Changes to Text of Proposed Items

It is the Board's policy that no changes may be made to the text of any item after the Friday of the week prior to the Board Meeting unless the change responds to an emergency. The determination of whether an emergency exists will be made by the Chairman in consultation with the Executive Officer. The Board retains the discretion to change the text of a proposed rule or rule amendment at a public hearing on the item consistent with the provisions in 4. D. above.

Section 30.7 – Motions.

- (1) **Procedure, General.** The following procedure shall be utilized in making and ruling upon motions:
 - (A) **Making Motion.** A member who has been recognized by the Chair as having the floor may make a motion.
 - (B) **Seconding.** A motion may be seconded without receiving the floor.
 - (C) **Stating by Chair.** The Chair shall state the question on the motion. Alternatively, the Chair may request the Clerk or the member making the motion to state the motion. The Chair shall ensure that the question is put into clear and suitable form--preserving the content to the satisfaction of the mover--before the question is stated. The Chair shall require that lengthy or complex motions be in writing before stating.
 - (D) **Modification.** Until the question on the motion is stated by the Chair, it may be modified by its maker and, if so, the second may be withdrawn. After stating by the Chair, a motion may only be modified by the Board through a motion to amend.
 - (E) **Debate.** The Chair shall assign the floor for debate on the motion first to the maker of the motion and then to each member wishing to speak to the motion. Unless a motion calling for the question is adopted by the Board (see subparagraph (e)(2)(C)), the Chair shall not close debate so long as any member has not had the opportunity to speak twice on the question.
 - (F) **Vote.** The Chair shall put the question to a vote.
 - (G) **Announcement, Change of Vote.** The Chair shall announce the result of the vote, either verbally or by electronic display. A member has the right to change his or her vote up to the time the result is announced. Thereafter the member can change a vote only by permission of the Board.
- (2) **Types of Motions.** The following types of motions shall be handled in the manner specified:
 - (A) **Main Motion.** A main motion must be seconded, is debatable, and may only be made when no other motion is pending.

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- (B) Amend a Pending Motion. A motion to amend must be seconded, is debatable if the motion to be amended is debatable, and takes precedence over (i.e., must be voted upon prior to) the main motion. A motion to amend may be amended (i.e., a "second degree" motion to amend). A motion to amend a second degree motion is not allowed. An amendment must be germane to the subject of the motion amended, but may be hostile to the original motion. An amendment is improper if it merely makes adoption of the amended question equivalent to a rejection of the original motion. A "substitute" is a type of amendment striking all or part of a main motion and inserting new provisions. The Chair may first accept only amendments to the motion proposed to be struck, and then only amendments to the proposed substitute, so that the Board will understand the final form of the main motion and proposed substitute prior to voting on the substitute.
- (C) Call for the Question ("Previous question"). Adoption of a motion calling for the question immediately closes debate and subsidiary motions and puts the matter to a vote. The motion must be seconded, and is not debatable. In order to minimize restriction of a member's right to debate, the motion must be adopted by the affirmative votes of two-thirds of the members present, or by a majority of the members of the full Board, whichever is greater.
- (D) Appeal. An appeal allows the Board decide whether or not to overrule a procedural ruling of the Chair. An appeal must be made immediately upon the Chair's ruling, must be seconded, and is debatable. A majority vote is required to reverse the Chair's decision. The appeal takes precedence over any question pending at the time the Chair makes a ruling from which the appeal is made.
- (E) Point of Order. A point of order questions the appropriateness of procedure. A point of order need not be seconded, is not debatable, may be made by a member who does not have the floor, and is ruled upon by the Chair. It takes precedence over any pending question out of which it may arise.
- (F) Amend Something Previously Adopted.¹ This motion must be seconded and is debatable.
- (G) Reconsider.¹ A motion to reconsider brings back for further consideration a motion which has already been voted on. In order to protect against dilatory use, the motion can be made only by a member who voted with the prevailing side. If there was no prevailing side, i.e., no side received the number of votes required for action under applicable statutes, any member may move to reconsider. The motion must be seconded (by any member) and is debatable. Unless otherwise specified in the motion, the effect of

¹ See subdivision (g) for restrictions on reconsidering or amending an agenda item after the Board completes consideration of the item.

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adoption of the motion is to suspend all action that depends on the vote to be reconsidered.

- (H) Depart From Agenda¹ (e.g., immediately take up an item out of order). This motion must be seconded and is not debatable.

Section 30.8 – Voting.

- (1) Majority Vote Requirement. Notwithstanding any contrary principles of parliamentary procedure, adoption of any motion by the Board shall require the affirmative votes of a majority of the members of the Board, unless otherwise required by law. Calif. Health & Saf. Code §40424 ("no official action shall be taken by the Board except in the presence of a quorum and upon the affirmative votes of a majority of the members of the Board").
- (2) Procedure. Voting on the adoption of all items on the Board agenda shall be by roll call or by electronic display of the vote of each member. Unless any Board member objects, a unanimous voice vote may be utilized to adopt any motion, including adoption of an agenda item. A unanimous voice vote shall be recorded by the Clerk as an "aye" vote for each member present. For purposes of this subdivision, the consent calendar may be considered a single item.

Section 30.9 – Reconsideration or Amendment of Completed Agenda Items.

- (1) Requirement. In the case of an agenda item requiring a public hearing, the Board shall not reopen the agenda item for reconsideration or amendment if the Board completed its consideration of the item earlier during the same meeting and (1) such completion was publicly announced by the Chair, (2) the Board proceeded to consider another item, or (3) the Board subsequently recessed.
- (2) Exceptions. Paragraph (1) shall not apply if:
 - (A) prior to completing consideration of the agenda item, the Chair announced its intention to further consider the item at a later time during the meeting;
 - (B) the Board is reopening an item for the sole purpose of determining whether or not to schedule a motion to reconsider or amend the item for a subsequent meeting which will be publicly noticed pursuant to law; or
 - (C) placement of a new agenda item for the purpose of reconsidering or amending an agenda item would be authorized by Government Code Section 54954.2(b)(1) (emergencies involving threatened disruption of public facilities) or Government Code Section 54954.2(b)(2) (authorizing addition of new agenda items at regular meetings after 72 hour agenda posting if Board, by two-thirds vote, determines that there is a need to take immediate action

ATTACHMENT A

and that the need for action came to the attention of the agency subsequent to the agenda being posted).

- (3) The agenda for each meeting of the Board shall include a notice to the public that the Board may reconsider or amend any item not requiring a public hearing at any time during the meeting.

Section 30.10 – Continuance Upon Lack of Action.

Unless otherwise specified by the Board, any agenda item which is not acted upon by the Board shall by operation of this provision be continued to the next regular meeting of the Board. The Clerk shall provide notice of such continuance as set forth in Government Code Section 54955.1. As used in this subdivision, the term "acted upon" shall mean adoption or defeat of a main motion by the votes of a majority of the Board.

Section 30.11 – Prohibition of Megaphones, Large Signs, and Sticks.

No megaphones, bullhorns, or placards, signs, or posters which are higher or wider than 18 inches, or which have protruding sticks or handles, shall be brought into the Board room during a Board meeting or prior to a Board meeting on the day of the meeting. Upon prior authorization of the Chairman, charts, graphs or other graphic devices to be used in conjunction with testimony may be brought into the Board room.

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 14

PROPOSAL: Legislative and Public Affairs Report

SYNOPSIS: This report highlights the June and July 2014 outreach activities of Legislative and Public Affairs, which include: Environmental Justice Update, Community Events/Public Meetings, Business Assistance, and Outreach to Business and Federal, State, and Local Government.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Barry R. Wallerstein, D.Env.
Executive Officer

LBS:DJA:MC:DM

BACKGROUND

This report summarizes the activities of Legislative and Public Affairs for June and July 2014. The report includes four major areas: Environmental Justice Update; Community Events/Public Meetings (including the Speakers Bureau/Visitor Services, Communications Center, and Public Information Center); Business Assistance; and Outreach to Business and Federal, State, and Local Governments.

ENVIRONMENTAL JUSTICE UPDATE

The following are key environmental justice-related activities in which staff participated during the months of June and July. These events involve communities that may suffer disproportionately from adverse air quality impacts.

June 7

- Staff provided information on reporting air quality complaints during the Harbor Gateway North Neighborhood Council Town Hall meeting where oil production issues were discussed.

June 19

- Staff attended the Healthy San Bernardino Coalition meeting to provide information on the Clean Communities Plan (CCP) including an update on the “Environmental Railyard Research Impacting Community Health” (ENRRICH) study.

June 24

- Staff assisted with the San Bernardino CCP Working Group meeting as they received an update on the status of the CCP. Loma Linda University also presented on the “ENRRICH” study conducted in collaboration with the Center for Community Action and Environmental Justice (CCA EJ).

June 25

- Staff assisted with the Boyle Heights CCP Working Group meeting as they received an update on the status of the CCP and on Proposed Rule 415 for Odors from Rendering and Inedible Kitchen Grease Processing Facilities.
- Staff met with members of the community and the City of Santa Ana to discuss odors from a nearby business and provided information on reporting air quality complaints and explained the process.

June 26

- Staff attended the Baldwin Hills Community Standards District Community Advisory Panel, where issues with surrounding oil fields were discussed, and networked with participants and received interest in the MATES IV study.
- Staff demonstrated electric commercial lawn equipment to the Urban Conservation Corps (UCC) in San Bernardino as part of the CCP pilot project. The commercial electric lawn mower and electric landscaping equipment will be used in the UCC’s youth training program.

July 16

- Staff participated in the Riverside County Health Coalition Working Group meeting and provided information on the 2016 Air Quality Management Plan (AQMP) Advisory Group meetings, SCAQMD’s Take a Tour Day, and social media apps.
- Staff attended the Environmental Protection Agency’s (U.S. EPA) Public Hearing on Proposed Updates to Refinery Emission Standards in Wilmington. U.S. EPA’s proposal would require monitoring of air concentrations of benzene around the fence line perimeter of refineries to assure that emissions are controlled and these results would be available to the public.

July 18

- Staff participated in the American Lung Association's Lung Force Fight Against Cancer meeting in San Bernardino and provided information on the 2016 AQMP Advisory Group meetings, SCAQMD's Take a Tour Day, social media and apps.

July 24

- Staff assisted and provided information on reporting air quality complaints at the Proposed Rule 415, Odors from Rendering and Inedible Kitchen Grease Processing Facilities, working group meeting in Boyle Heights. This was the first working group meeting where members and the public learned of the proposed rule. Staff will follow-up with additional outreach.

July 29

- Staff participated in the American Lung Association's Inland Empire Lung Force Walk meeting in Ontario and staff provided information on the 2016 AQMP Advisory Group meetings, SCAQMD's Take a Tour Day, social media and apps.

COMMUNITY EVENTS/PUBLIC MEETINGS

Each year, thousands of residents engage in valuable information exchanges through events and meetings that SCAQMD sponsors either alone or in partnership with others. Attendees typically receive the following information:

- Tips on reducing their exposure to smog and its health effects;
- Clean air technologies and their deployment;
- Invitations or notices of conferences, seminars, workshops and other public events;
- Ways to participate in SCAQMD's rule and policy development; and
- Assistance in resolving air pollution-related problems.

SCAQMD staff attended and/or provided information and updates at the following events:

June 5

- Today's Fresh Start Charter School Career Day Event, Los Angeles.
- SCAQMD's Commercial Electric Lawn Mower Demo & Kick Off Event, Civic Center Park, Temple City.

June 7

- Robert F. Kennedy Institute's 4th Annual Health Fair, Wilmington Waterfront Park.
- American Cancer Society Relay for Life Event, Lorbeer Middle School, Diamond Bar.

June 8

- Environmental Informational Fair, Holy Family Church, South Pasadena.

June 24 - 26

- Annual Air & Waste Management Association Conference & Exhibition, Long Beach Convention Center.

June 26

- Western Riverside Council of Governments General Assembly Meeting, Morongo Casino and Resort, Cabazon.

June 30

- Coachella Valley Association of Governments General Assembly Meeting, La Quinta.

July 9

- SCAQMD's Hearing Board meeting regarding Exide, Maywood Academy High School.

July 10

- Assemblymember Jose Medina's Small Business Resource Fair, Sunnymead Elementary School, Moreno Valley.

July 19

- Assemblymember Freddie Rodriguez's Open House, Chino.

July 20

- South Pasadena Summer Concert/Green Living Expo, Garfield Park.

July 26

- Assemblymember Chris Holden's 15th Annual Community Block Party Event, Pasadena.

SPEAKERS BUREAU/VISITOR SERVICES

SCAQMD regularly receives requests for staff to speak on air quality-related issues from a wide variety of organizations, such as trade associations, chambers of commerce, community-based groups, schools, hospitals and health-based organizations. SCAQMD also hosts visitors from around the world who meet with staff on a wide range of air quality issues.

June 3

- Staff presented an overview on SCAQMD, air quality, provided a tour of the agency's laboratory, and displayed alternative fuel vehicles to six students from

the University of California, Riverside's My Generation group, hosted by the Sierra Club.

- Staff presented information on air pollution problems in the mountain area such as ozone and wildfire issues, and on alternative fuel bus charging stations to 26 attendees at the Crestline Sanitation District, hosted by San Bernardino County Supervisor Janice Rutherford.

June 11

- Staff provided a tour of the SCAQMD's Diamond Bar Headquarters, and displayed alternative fuel vehicles to 22 elementary school students from the Epitome Academy in Diamond Bar.

June 17

- Staff presented an overview on SCAQMD, air quality, and ways to prevent air pollution to a group of 30 members of the Developmentally Disabled Adults group, at the California Employment Services, Adult Day Care Center in Culver City.

June 19

- Staff presented an overview on SCAQMD, air quality, and provided a tour of the agency's laboratory, and displayed alternative fuel vehicles to 18 auto design students from the Art Center College of Design in Pasadena.

June 24

- Staff presented an overview on SCAQMD, air quality, and other related air pollution topics to ten adult attendees at the Peace & Justice Holy Trinity Parish Center in San Pedro.

June 26

- Staff presented an overview on SCAQMD, air quality, and clean air transportation technologies to members of the American Public Works Association, Long Beach Chapter.

June 27

- Staff presented an overview on SCAQMD, air quality, gave a tour of the agency's laboratory and provided a ride and drive of alternative fuel vehicles to two students from UC Berkeley.

July 25

- Staff presented an overview on SCAQMD, air quality, and provided a tour of the agency's laboratory, and displayed alternative fuel vehicles to 18 auto design students from the Art Center College of Design in Pasadena.

July 29

- Staff presented an overview on SCAQMD, air quality and a tour of the agency's Diamond Bar Headquarters and laboratory to a delegation of 23 representatives from China.

COMMUNICATION CENTER STATISTICS

The Communication Center handles calls on the SCAQMD main line, 1-800-CUT-SMOG[®] line and Spanish line. Calls received in the months of June and July 2014 are summarized below:

Main Line Calls	5,491
1-800-CUT-SMOG [®] Line	2,796
After Hours Calls*	743
Spanish Line Calls	<u>133</u>
<i>Total Calls</i>	9,163

* Saturdays, Sundays, holidays, and after 7:00 p.m. Monday through Friday.

PUBLIC INFORMATION CENTER STATISTICS

The Public Information Center (PIC) handles phone calls and walk-in requests for general information. Information for the month of June and July 2014 is summarized below:

Calls Received by PIC Staff	89
Calls to Automated System	<u>2,762</u>
<i>Total Calls</i>	2,851

Visitor Transactions	199
E-Mail Advisories Sent	9,015

BUSINESS ASSISTANCE

SCAQMD notifies local businesses of proposed regulations so they can participate in the agency's rule development process. SCAQMD also works with other agencies and governments to identify efficient, cost-effective ways to reduce air pollution and shares that information broadly. Staff provides personalized assistance to small businesses both over the telephone and via on-site consultation. The information is summarized below:

- Conducted seven free on-site consultations
- Provided permit application assistance to 249 companies
- Issued 34 clearance letters

Types of business assisted:

Restaurants	Dry Cleaners	Communications Centers
Gas Stations	Printing Facility	Construction & Architecture
Auto Body Shops	General Contractors	Cabinet/Furniture Manufacturers
Distribution Centers	Auto Repair Shops	Adhesive/Coatings Manufacturers
Recycling Center	Textiles	

OUTREACH TO COMMUNITY GROUPS AND FEDERAL, STATE, AND LOCAL GOVERNMENTS

Field visits and communications were conducted with elected officials or staff from the following cities:

Aliso Viejo	Duarte	Monterey Park
Anaheim	El Monte	Orange
Arcadia	Fontana	Palm Desert
Artesia	Fullerton	Palm Springs
Banning	Glendora	Pasadena
Beaumont	Huntington Park	Placentia
Bell	Inglewood	Riverside
Big Bear Lake	Irvine	San Gabriel
Boyle Heights	La Habra	San Marino
Brea	La Mirada	Santa Ana
Buena Park	La Palma	South Gate
Cathedral City	La Quinta	Temple City
Chino	Laguna Woods	Torrance
Coachella	Lake Forest	Tustin
Commerce	Lakewood	Vernon
Corona	Lawndale	Villa Park
Coachella	Loma Linda	Walnut
Commerce	Long Beach	Westminster
Corona	Los Alamitos	Yorba Linda
Costa Mesa	Los Angeles	
Cudahy	Maywood	
Cypress	Mission Viejo	
Dana Point	Monrovia	
Diamond Bar	Montebello	

Visits and/or communications were conducted with elected officials or staff from the following state and federal State Offices

- U.S. Senator Dianne Feinstein
- U.S. Senator Barbara Boxer

- U.S. Senator Tom Carper (DE)
- U.S. Senator Cory Booker (NJ)
- U.S. Congressman Xavier Becerra
- U.S. Congressman Ken Calvert
- U.S. Congresswoman Lois Capps
- U.S. Congresswoman Janice Hahn
- U.S. Congressman Duncan Hunter
- U.S. Congressman Gary Miller
- U.S. Congressman Kevin McCarthy
- U.S. Congresswoman Grace Napolitano
- U.S. Congresswoman Lucille Roybal-Allard
- U.S. Congressman Raul Ruiz
- U.S. Congressman Albio Sires (NJ)
- U.S. Congressman Mark Takano
- U.S. Congresswoman Ann Wagner (MO)
- U.S. Congressman Henry Waxman
- State Senator Lou Correa
- State Senator Bob Huff
- State Senator Ed Hernandez
- State Senator Ricardo Lara
- State Senator Kevin de León
- State Senator Ted Lieu
- State Senator Fran Pavley
- State Senator Richard Roth
- State Senator Mimi Walters
- State Senator Mark Wyland
- Assembly Member Steve Bradford
- Assembly Member Ed Chau
- Assembly Member Tom Daly
- Assembly Member Curt Hagman
- Assembly Member Isadore Hall
- Assembly Member Diane Harkey
- Assembly Member Chris Holden
- Assembly Member Eric Linder
- Assembly Member Jose Medina
- Assembly Member Melissa Melendez
- Assembly Member Al Muratsuchi
- Assembly Member Alan Mansoor
- Assembly Member Brian Nestande
- Assembly Member John Perez
- Assembly Member Anthony Rendon
- Assembly Member Freddie Rodriguez
- Assembly Member Sharon Quirk-Silva
- Assembly Member Donald Wagner

Staff represented SCAQMD and/or provided a presentation to the following government and business organizations:

Alhambra Chamber of Commerce
Anaheim Amtrak / Metrolink Station
Anaheim Chamber of Commerce
Arcadia Chamber of Commerce
Banning Chamber of Commerce
Beaumont Chamber of Commerce
Beverly Hills Chamber of Commerce
California Contract Cities Association, Downey
California Air Resources Board
California Department Conservation, Oil & Gas & Geothermal Division
Coachella Valley Chamber of Commerce
Coachella Valley Economic Partnership Organization
Coachella Valley Unified School District
Coachella Valley Council of Governments
Forestry Service, Los Angeles
Gateway Cities Council of Governments
Gardena Senior Citizens Bureau
Greater Riverside Chambers of Commerce
Greater Los Angeles African American Chamber of Commerce
Indio Chamber of Commerce
Inglewood Business Expansion Club
I-710 Freeway Corridor Project Committee
Irvine Chamber of Commerce
Irwindale Chamber of Commerce
League of California Cities, Los Angeles County Division
League of California Cities, Orange County Division
Long Beach Area Chamber of Commerce
Metro Transit, Los Angeles
Monterey Park Chamber of Commerce
Moreno Valley Chamber of Commerce
North Orange County Legislative Alliance
Orange County Business Council
Orange County Board of Supervisors
Orange County City Managers Association
Orange County Council of Governments
Omnitrans Public Transit Agency, San Bernardino
Orange County Transportation Authority
Redlands Chamber of Commerce
Riverside County Health Coalition
Riverside County Health Department

Riverside County Transportation Department
San Bernardino Area Chamber
San Bernardino Associated Governments
San Gabriel Valley Council of Governments
San Gabriel Valley Economic Partnership
South Bay Cities Council of Governments
South Bay Business Environmental Coalition
South Orange County Economic Coalition
Southern California Association of Government
United States Green Building Council, Los Angeles Chapter
Upland Chamber of Commerce
Western Riverside County Council of Governments
Western Riverside County Transportation NOW (RTA)
-Hemet/San Jacinto Chapter, Hemet
-Moreno Valley/Perris Chapter, Moreno Valley
-Northwest Chapter, Norco
-San Gorgonio Pass Chapter, Beaumont
-Southwest Chapter, Lake Elsinore

Staff represented SCAQMD and/or provided a presentation to the following community groups and organizations:

Athens on the Hill Community Organization, South Los Angeles
Baldwin Hills Community Advisory Panel
Beaumont Senior Center
Bell Public Library
Bell Community Center
Bell Gardens Library
Benjamin Franklin Library, Los Angeles
Bristow Park Branch Library, Commerce
Boyle Heights Neighborhood Council, Los Angeles
Californians for Affordable and Reliable Energy Coalition
College of the Desert, Palm Springs
Commerce Atlantic Branch Library
Commerce Central Library
Commerce Community Center/Aquatorium
Community Foundation, Riverside
Commerce Public Library
Delhi Neighborhood Association, Santa Ana
Dollarhide Neighborhood Center, Compton
East Los Angeles Public Library
East Yards Communities for Environmental Justice Group, Commerce
Eastmont Community Center, Commerce

Earnest Debs Park, Bell
Freedom Park Office, Huntington Park
Florence Public Library, Los Angeles
Graham Public Library, Los Angeles
Greenwood Library, Commerce
Harbor Gateway North Neighborhood Council, Gardena
Healthy San Bernardino Coalition
Huntington Park Library
Inland Action Corporation, San Bernardino
Leland R. Weaver Library, South Gate
Los Angeles County, Department of Public Works
Los Angeles Unified School District
Maywood Cesar Chavez Library
Montebello Library
Northwest San Pedro Neighborhood Council
Palm Springs Unified School District
Resurrection Church, Los Angeles
Robert Louis Stevenson Branch Library, Los Angeles
Salvation Army Youth Center, Los Angeles
Salazar Park Senior/Community Center, Los Angeles
Tree Musketeers, El Segundo
University of California, Riverside
Urban Conservation Corps, San Bernardino

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 15

REPORT: Hearing Board Report

SYNOPSIS: This reports the actions taken by the Hearing Board during the period of June 1 through July 31, 2014.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:

Receive and file this report.

Edward Camarena
Chairman of Hearing Board

SM

Three summaries are attached: **Rules From Which Variances and Orders for Abatement Were Requested in 2014 and June 2014 and July 2014 Hearing Board Cases.**

The total number of appeals filed during the period June 1 to July 31, 2014 is 1; and total number of appeals filed during the period of January 1 to July 31, 2014 is 5.

Rules from which Variances and Order for Abatements were Requested in 2014

	2014	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
1171														0
1171(c)														0
1171(c)(1)														0
1171(c)(1)(A)(i)														0
1171(c)(1)(b)(i)														0
1171(c)(4)														0
1171(c)(5)														0
1171(c)(5)(A)(i)														0
1171(c)(6)														0
1173		1	1											2
1173(c)														0
1173(d)														0
1173(e)(1)														0
1173(f)(1)(B)														0
1173(g)														0
1175														0
1175(c)(2)														0
1175(c)(4)(B)														0
1175(c)(4)(B)(i)														0
1175(c)(4)(B)(ii)														0
1175(c)(4)(B)(ii)(I)														0
1175(b)(1) (C)														0
1175(d)(4)(ii)(II)														0
1176														0
1176(e)														0
1176(e)(1)														0
1176(e)(2)														0
1176(e)(2)(A)														0
1176(e)(2)(A)(ii)														0
1176(e)(2)(B)(v)														0
1176(f)(3)														0
1177(d)(2)(D)														0
1178(d)(1)(A)(xiii)														0
1178(d)(1)(A)(xiv)														0
1178(d)(1)(B)														0
1178(d)(1)(C)														0
1178(d)(3)(C)														0
1178(d)(3)(D)														0
1178(d)(3)(E)														0
1178(d)(4)(A)(i)														0
1178(g)									1					1
1186.1														0
1186.1														0
1189(c)(3)														0
1195														0
1195(d)(1)(D)														0
1303(a)									1					1

Rules from which Variances and Order for Abatements were Requested in 2014

	2014	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total Actions
2012, Appen. A, Protocol 2012, Chap. 2, B.5.														0
2012, Appen A, Chap. 2, B.5.a														0
2012, Appen A, Chap. 2, B.10														0
2012, Appen A, Chap. 2, B.11														0
2012, Appen A, Chap. 2, B.12														0
2012, Appen A, Chap. 2, B.17														0
2012, Appen A, Chap.2, B.18														0
2012, Appen A, Chap.2, B.20														0
2012, Chapter 2, E.2.b.i.														0
2012, Chapter 2, E.2.b.ii.														0
2012 Appen A, Chap. 4.A.4														0
2012(B)(5)(e)								1						1
2012(c)(2)(A)														0
2012(c)(2)(B)														0
2012(c)(3)														0
2012(c)(3)(A)														0
2012(c)(3)(B)														0
2012(c)(10)														0
2012(d)(2)														0
2012(d)(2)(A)														0
2012(d)(2)(D)														0
2012(f)(2)(A)														0
2012(g)(1)														0
2012(g)(3)														0
2012(g)(7)														0
2012(h)(3)														0
2012(h)(4)														0
2012(h)(5)														0
2012(h)(6)														0
2012(i)														0
2012(j)(1)														0
2012(j)(2)														0
2012, Protocol (Appen. A) Chap. 2, Part A.1.a														0
2012, Protocol (Appen. A) Chap. 2, Part B.4														0
2012, Protocol, (Appen A) Chap. 2, Part B.5.e														0
2012 Chapter 2, B.5.f														0
2012(m)														0
2012(m) Table 2012-1, and Appen. A, Chp 2, & Attachment C														0
2012(m) Appen. A, Attach. C														0
2012(m) Appen. A, Chap. 2, Sections 2.A.1 a-c, e.g, and B. 1-4 and Appendix A, Chapter 3, Section C.2 a, c & d														0
2012(m) Appen. A, Chap 3, Section (A)(6)														0
2012(m) Appen. A, Chap 5, Para G, Table 5B and Att. D														0
3002														0
3002(a)														0
3002(c)		1		1			1							3
3002(c)(1)		4	3	2	1		5	2						17

Report of June 2014 Hearing Board Cases

Case Name and Case No.	Rules	Reason for Petition	District Position/ Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
1. Chevron Products Company Case No. 831-366 (R. Fernandez)	203(b) 2004(f)(1) 3002(c)(1)	Application of emission control technology proven effective in other type of equipment has not been successful for a new sulfur recovery unit.	Not Opposed/Granted	MFCD/EXT granted commencing 6/26/14 and continuing through 3/31/15.	NO _x : 36 lbs/day during normal operations NO _x : 28.84 lbs/day during startup & shutdown CO: 131.47 lbs/day during startup & shutdown
2. Chevron Products Company Case No. 831-372 (B. Gilchrist)	203(b) 2004(f)(1) 3002(c)(1)	Petitioner must temporarily remove NH3 CEMS to send out for repair.	No Position/Granted	SV granted for a maximum of 8 non-continuous hours in a window of time between 6/25/14 and 7/24/14.	None
3. Engineered Polymer Solutions, Inc. Case No. 5726-2 (R. Fernandez)	203(b) 1147(c)(1) 1147(c)(10) 3002(c)(1)	Permit for required new burner issued 6/13/14. There was insufficient time to order, receive and install the new burner in time to meet compliance deadline.	Not Opposed/Granted	SV granted commencing 7/1/14 and continuing through 9/28/14.	NO _x : 8.89 lbs/day
4. Interplastic Corporation Case No. 5992-1 (R. Fernandez)	203(b) 1147(c)(1)	Petitioner cannot meet Rule 1147 compliance deadline of July 1, 2014 for NO _x .	Opposed/Denied	RV denied.	N/A
5. New Cingular Wireless PCS, LLC dba AT&T Mobility Case No. 5991-1 (N. Sanchez)	203(b) 1110.2(d)(1)(B) 1401(d) 1470(c)(5)	Petitioner is exceeding the 200-hour per year operating limit for emergency generator as result of vandalism.	Opposed/Dismissed	IV dismissed without prejudice.	N/A
6. Phillips 66 Company Case No. 4900-94 (N. Sanchez)	203(b) 1178(g) 2004(f)(1) 3002(c)(1)	Petitioner seeks to repair the access ladder to the external floating roof of Tank No. 149 without degassing.	Not Opposed/Granted	SV granted for 7 consecutive days in a window of time between 6/18/14 and 7/18/14.	VOC: 4.62 lbs/total for variance period

7. SCAQMD vs. Department of State Hospitals; Patton State Hospital Case No. 5852-2 (Consent Calendar; No Appearance)	203(b) 1146	Respondent operating two noncompliant boilers and failed to comply with conditions of previously granted variance.	Stipulated/Issued	O/A issued commencing 6/11/14; the Hearing Board shall retain jurisdiction over this matter until 12/19/14.	N/A
8. SCAQMD vs. Judicial Council of California, Administrative Office of the Courts [Torrance Courthouse] Case No. 5993-1 (Consent Calendar; No Appearance)	1146.1(b)(3) 1146.1(c)(2) 1146.1(d)(4) 1146.1(d)(6)	Respondent operating two noncompliant boilers.	Stipulated/Issued	O/A issued commencing 6/24/14; the Hearing Board shall retain jurisdiction over this matter until 9/12/14.	N/A
9. SCAQMD vs. Judicial Council of California, Administrative Office of the Courts [San Fernando Courthouse] Case No. 5994-1 (Consent Calendar; No Appearance)	1470(c)(3)(C)(iii) 1470(d)(2)(B) 1470(e)(2)(A)	Respondent is operating noncompliant diesel ICE emergency generator within 100 meters of a school.	Stipulated/Issued	O/A issued commencing 6/24/14; the Hearing Board shall retain jurisdiction over this matter until 3/31/15.	N/A
10. SCAQMD vs. Judicial Council of California, Administrative Office of the Courts [Inglewood Courthouse] Case No. 5995-1 (Consent Calendar; No Appearance)	1470(c)(3)(C)(iii) 1470(d)(2)(B) 1470(e)(2)(A)	Respondent is operating noncompliant diesel ICE emergency generator within 100 meters of a school.	Stipulated/Issued	O/A issued commencing 6/24/14; the Hearing Board shall retain jurisdiction over this matter until 3/31/15.	N/A
11. SCAQMD vs. Judicial Council of California, Administrative Office of the Courts [El Monte Courthouse] Case No. 5997-1 (Consent Calendar; No Appearance)	1470(c)(3)(C)(iii) 1470(d)(2)(B) 1470(e)(2)(A)	Respondent is operating noncompliant diesel ICE emergency generator within 100 meters of a school.	Stipulated/Issued	O/A issued commencing 6/24/14; the Hearing Board shall retain jurisdiction over this matter until 3/31/15.	N/A
12. SCAQMD vs. Ridgeline Energy Services (USA) Inc. Case No. 5954-1 (K. Manwaring)	203(a) 219(s)(2) 402 H&S Code §41700	Modification of conditions regarding removal of wastes in existing tanks.	Not Stipulated/Issued	Mod. O/A issued commencing 6/3/14; the Hearing Board shall retain jurisdiction over this matter until 11/6/14.	N/A

13. SCAQMD vs. Ridgeline Energy Services (USA) Inc. Case No. 5954-1 (K. Manwaring)	N/A	Clarification of previously issued order.	Not Stipulated/No Action	The Board received and clarified issues regarding the hearing held on 6/3/14 for Mod. O/A.	N/A
14. SCAQMD vs. Warren E & P, Inc. Case No. 5649-4 (K. Manwaring)	202(a) 203(b)	CEQA procedural delay requires extension of Hearing Board's jurisdiction.	Stipulated/Issued	Mod. O/A issued commencing 6/25/14; the Hearing Board shall retain jurisdiction over this matter until 2/1/14.	N/A
15. Southern California Edison (SCE) Case No. 1262-109 (N. Sanchez)	1110.2(d)(1)(B) 3002(c)	Diesel ICE used to provide power to Catalina Island unexpectedly failed ROG/VOC test.	Not Opposed/Granted	IV granted commencing 6/3/14 and continuing for 90 days or until the RV hearing currently scheduled for 7/7/14, whichever comes first.	VOC: 47 lbs/total for variance period
16. Ultramar Inc., dba Valero Wilmington Refinery Case No. 3845-89 (T. Barrera)	202(a) 203(b) 401(b)(1) 2004(f)(1) 3002(c)(1) H&S Code §41701	FCCU must be shut down for repair per state regulations upon finding of unexpected corrosion.	Not Opposed/Granted	EV/AOC granted commencing 6/11/14 and continuing for 30 days or until the SV/AOC hearing currently scheduled for 7/8/14, whichever comes first.	CO: 1,309 lbs/total

Acronyms

AOC: Alternative Operating Conditions
 BACT: Best Available Control Technology
 CEMS: Continuous Emissions Monitoring System
 CEQA: California Environmental Quality Act
 CO: Carbon Monoxide
 DPF: Diesel Particulate Filter
 EV: Emergency Variance
 FCCU: Fluid Catalytic Cracking Unit
 FCD: Final Compliance Date
 GDF: Gasoline Dispensing Facility
 H₂S: Hydrogen Sulfide
 H&S: Health & Safety Code
 ICE: Internal Combustion Engine
 I/P: Increments of Progress
 IV: Interim Variance
 MFCD/EXT: Modification of a Final Compliance Date and Extension of a Variance
 Mod. O/A: Modification of an Order for Abatement
 NH₃: Ammonia
 NOV: Notice of Violation
 NO_x: Oxides of Nitrogen
 N/A: Not Applicable
 O/A: Order for Abatement

PM: Particulate Matter
 PPM: Parts Per Million
 RATA: Relative Accuracy Test Audit
 ROG: Reactive Organic Gases
 RTO: Regenerative Thermal Oxidizer
 RV: Regular Variance
 SCR: Selective Catalytic Reduction
 SO_x: Oxides of Sulfur
 SV: Short Variance
 TBD: To be determined
 VOC: Volatile Organic Compound
 VRS: Vapor Recovery System

Report of July 2014 Hearing Board Cases

Case Name and Case No.	Rules	Reason for Petition	District Position/ Hearing Board Action	Type and Length of Variance or Order	Excess Emissions
1. Anheuser-Busch, LLC- Los Angeles Brewery Case No. 5960-1 (Consent Calendar; No Appearance)	2012, Chapter 2 2012(B)(5)(e)	Modification of the final compliance date is needed because of unanticipated delays in the manufacture and installation of the CEMS.	Not Opposed/Granted	MFCD/EXT granted commencing 7/3/14 and continuing through 4/1/15, the FCD.	None
2. Burlington Engineering, Inc. Case No. 5998-1 (N. Sanchez)	1147(c)(1)	Petitioner operates two burn off furnaces that exceed 60 ppm NO _x limit in Rule 1147.	Not Opposed/Granted	SV granted commencing 7/3/14 and continuing through 10/1/14.	NO _x : .53 lb/day
3. Marine Corps Air Station Yuma, AZ Case No. 5999-1 (K. Manwaring)	203(b)	Petitioner has exceeded the 200 hour annual operating limit for an emergency generator.	Not Opposed/Granted	SV granted commencing 8/27/14 and continuing through 10/24/14.	CO: 5.99 lbs/day VOC: 4.49 lbs/day NO _x : 3.49 lbs/day
4. New Cingular Wireless PCS, LLC dba AT & T Mobility Case No. 5991-1 (N. Sanchez)	203(b) 1110.2(d)(1)(B) 1303(a) 1470(c)(5)	Petitioner is operating an emergency generator in excess of the 200 hour annual limit.	Not Opposed/Granted	RV granted commencing 7/3/14 and continued through 12/31/14, the FCD.	NO _x : 1.31 lbs/day VOC: 0.10 lb/day SO _x : 0.0004 lb/day CO: 0.11 lb/day PM: 0.008 lb/day
5. Orange County Waste & Recycling Case No. 3818-16 (V. Tyagi)	1150.1(d)(10) 1150.1(d)(11) 1150.1(d)(12) 1150.1(d)(13) 1150.1(d)(14)	The landfill gas collection and control system cannot be operated in compliance because of the failure of the programmable logic controller.	Not Opposed/Granted	Ex Parte EV granted commencing 7/8/14 and continuing for 30 days or until 8/5/14, whichever comes first.	None
6. Phillips 66 Company Case No. 4900-96 (K. Manwaring)	203(b) 1105.1 2004(f)(1) 3002(c)(1)	Petitioner has submitted an application to change the permit condition to allow less than two fields of ESP in operation. Test to demonstrate ability to comply with one field operating is needed but will violate permit condition.	Not Opposed/Granted	SV granted commencing 7/16/14 and continuing through 10/14/14.	PM: 2.5 lbs/total for variance period

7. SCAQMD vs. Exide Technologies, Inc. Case No. 3151-29 (N. Feldman) (T. Barrera)	203(b) 1407(d)(5) 2004(f)(1) 3002(c)(1)	Petitioner has exceeded the arsenic limits while in operation.	Stipulated/Issued	O/A issued commencing 7/10/14 and continuing through 7/31/15. The Hearing Board shall retain jurisdiction over this matter until 7/31/15.	N/A
8. SCAQMD vs. Exide Technologies, Inc. Case No. 3151-32 (N. Feldman) (T. Barrera)	1420(d)(1)	Maintenance and construction activities resulted in ambient lead concentrations exceeding the limit in Rule 1420.1.	Stipulated/Issued	O/A issued commencing 7/9/14 and continuing through 3/15/15. The Hearing Board shall retain jurisdiction over this matter until 3/15/15.	N/A
9. SCAQMD vs. La Salle High School Case No. 5990-2 (T. Barrera)	203 1110.2(d)(1)(B)(Table II) 1303(a)(1) 1303(b)(1) 1401 1470(c)(4)	Respondent operates an ICE without a valid permit to operate.	Stipulated/Issued	O/A issued commencing 7/24/14 and continuing through 7/15/15. The Hearing Board shall retain jurisdiction over this matter until 7/15/15.	N/A
10. Ultramar, Inc. dba Valero Wilmington Refinery Case No. 3845-90 (N. Sanchez)	202(a) 203(b) 401(b)(1) 407(a) 2004(f)(1) H&S Code Section 41701	FCCU experienced an emergency shutdown. Violations of rules and permit conditions are expected on restart.	Not Opposed/Granted	Ex Parte EV & AOC granted commencing 7/9/14 and continuing for ten days or until the EV hearing currently scheduled for 7/17/14, whichever comes first.	CO: 1,227 lbs/day

Acronyms

AOC: Alternative Operating Conditions
CEMS: Continuous Emissions Monitoring System
CO: Carbon Monoxide
ESP: Electro Static Precipitator
EV: Emergency Variance
FCD: Final Compliance Date
FCCU: Fluid Catalytic Converter Unit
H&S: Health & Safety Code
ICE: Internal Combustion Engine
MFC/EXT: Modification of a Final Compliance Date and Extension of a Variance
NOx: Oxides of Nitrogen
N/A: Not Applicable
O/A: Order for Abatement
PM: Particulate Matter
PPM: Parts Per Million
RV: Regular Variance
SCR: Selective Catalytic Reduction

SOx: Oxides of Sulfur
SV: Short Variance
VOC: Volatile Organic Compound

[↑ Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 16

REPORT: Civil Filings and Civil Penalties Report

SYNOPSIS: This reports the monthly penalties from June 1 through June 30, 2014, and legal actions filed by the General Counsel's Office during from June 1 through June 30, 2014. An Index of District Rules is attached with the penalty report.

COMMITTEE: Stationary Source, July 25, 2014, Reviewed

RECOMMENDED ACTION:
Receive and file this report.

Kurt R. Wiese
General Counsel

KRW:lc

No Civil Actions Filed in June 2014

Attachments
June 2014 Penalty Reports
Index of District Rules and Regulations

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
General Counsel's Office**

June 2014 Settlement Penalty Report

Total Penalties

Civil Penalties:	\$97,550.00
MSPAP Penalties:	\$17,775.00
Hearing Board Penalties:	\$8,000.00
Total Cash Penalties:	\$123,325.00
Total SEP Value:	\$0.00
Fiscal Year through June 2014 Cash Total:	\$17,663,750.28
Fiscal Year through June 2014 SEP Value Only Total:	\$398,500.00

FAC ID	COMPANY NAME	RULE NUMBER	RECLAIM ID	SETTLED DATE	ATTY INT	NOTICE NO	TOTAL SETTLEMENT
CIVIL PENALTIES:							
107976	AQHI, INCORPORATED	1403		6/3/2014	NAS	P61057	\$2,000.00
118406	CARSON COGENERATION COMPANY	218.1, 2012, 40CFR 2004 2012, 2012(G)(1) 2004(F)(1), 3002(C)(1)	Y	6/11/2014	TRB	P52195 P52191 P52189 P52183	\$50,000.00
116931	EQUILON ENTER. LLC, SHELL OIL PRODUCTS	462, 3002(C)(1) 3002(C)(1) 1178		6/18/2014	TRB	P37228 P58212 P56563	\$10,000.00
16934	GARDEN CITY CLEANERS INC	1402		6/6/2014	KCM	P58416	\$1,000.00
118681	LA STATE BLDG AUTHORITY, JUNIPERO	201, 1146.1 1146.1		6/26/2014	RRF	P62459 P62455	\$5,000.00
103484	MARIPOSA HOUSING PARTNERSHIP, L.P.	222, 1146.2		6/12/2014	KCM	P58830	\$4,500.00
104004	MICROMETALS, INC	3002(C)(1)		6/6/2014	MJR	P56099	\$8,000.00

FAC ID	COMPANY NAME	RULE NUMBER	RECLAIM ID	SETTLED DATE	ATTY INT	NOTICE NO	TOTAL SETTLEMENT
114340	MIKHAIL DARAFEEV, INC.	203		6/18/2014	NSF	P60015	\$2,500.00
143614	NORMANDIE CLEANERS	203(A), 1102 203 (A), 1102		6/25/2014	KCM	P61215 P61217	\$1,000.00
116992	PAINT SPECIALISTS	203 (A) 203(A)		6/12/2014	NAS	P58184 P58179	\$1,500.00
6331	PATTON STATE HOSPITAL	42402		6/26/2014	TRB	P61433	\$500.00
152501	PRECISION SPECIALTY METALS, INC.	3002, 3003, 3004	Y	6/25/2014	WBW	P57373	\$1,000.00
22229	PROCESSES BY MARTIN INC.	1147		6/12/2014	MJR	P56296	\$6,000.00
172584	RONALD JOHNSON	461		6/3/2014	MJR	P59976	\$750.00
100716	SPARKLE CLEANERS	1402		6/25/2014	KCM	P57291	\$300.00
153199	THE KROGER CO/RALPHS GROCERY CO.	2004, 2004(D) 2004, 2012 2004	Y	6/6/2014	MJR	P57857 P57860 P57069	\$3,000.00

FAC ID	COMPANY NAME	RULE NUMBER	RECLAIM ID	SETTLED DATE	ATTY INT	NOTICE NO	TOTAL SETTLEMENT
170903	ULTIMATE REMOVAL Also includes settlement of Halsted Construction	1403 1403		6/18/2014	TRB	P49747 P49748	\$500.00
TOTAL CIVIL PENALTY SETTLEMENTS: \$97,550.00							\$97,550.00
MSPAPP SETTLEMENTS:							
174977	ALLIANCE RESIDENTIAL COMPANY - THE	201, 203(A), 1470		6/12/2014		P57467	\$2,475.00
160655	ARCO TORRANCE, AHMED R SAAD	41960.2 461(C)(2)(B)		6/26/2014		P61467	\$650.00
160655	ARCO TORRANCE, AHMED R SAAD	461 (E) (2)		6/26/2014		P61471	\$1,338.00
160655	ARCO TORRANCE, AHMED R SAAD	461(C)(1)(A)		6/26/2014		P61487	\$512.00
162456	COUNTY OF RIVERSIDE	203		6/4/2014		P60049	\$550.00
175181	LUIS NIEVAS	461		6/10/2014		P59942	\$550.00

FAC ID	COMPANY NAME	RULE NUMBER	RECLAIM ID	SETTLED DATE	ATTY INT	NOTICE NO	TOTAL SETTLEMENT
89467	MOUNTAINS COMMUNITY HOSPITAL	203(A), 203(B), 1146.1		6/25/2014		P61417	\$1,800.00
112769	NUCKLES OIL CO, INC., MERIT OIL CO.	461, 41960.2		6/11/2014		P59766	\$4,000.00
175182	PERFECT FUEL	203 (B), 206 461(C)(2)(B)		6/6/2014		P61488	\$1,800.00
175182	PERFECT FUEL	41960.2 461(C)(2)(B)		6/6/2014		P61473	\$600.00
135043	ROSE HILLS CO	1470		6/25/2014		P59626	\$1,100.00
176627	SMA BUILDERS	403(D)(1)		6/26/2014		P60450	\$2,400.00

TOTAL MSPAPP SETTLEMENTS: \$17,775.00

HEARING BOARD SETTLEMENTS:

35188	3M COMPANY Hearing Board Case No. 5970-2 Penalty for ongoing use of noncompliant operation of facility's equipment.	203, 1147, 3002		6/25/2014	KCM	HRB2226	\$4,000.00
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FAC ID	COMPANY NAME	RULE NUMBER	RECLAIM ID	SETTLED DATE	ATTY INT	NOTICE NO	TOTAL SETTLEMENT
54732	INLAND VALLEY REGIONAL MEDICAL CENT Hearing Board Case No. 5982-1 Beginning 4.11.14 facility to pay \$1000/month until permanently cease use of both Parker boilers in noncompliance of Rule 1146.2.	1146.2		6/6/2014	NAS	HRB2225	\$1,000.00
54732	INLAND VALLEY REGIONAL MEDICAL CENT Hearing Board Case No. 5982-1 Beginning 4.11.14 facility to pay \$1000/month until permanently cease use of both Parker boilers in noncompliance of Rule 1146.2.	1146.2		6/26/2014	NAS	HRB2229	\$1,000.00
114910	PROVIDENCE HOLY CROSS MEDICAL CTR. Hearing Board Case No. 5701-1 Beginning 12.15.13, facility shall pay \$1000/month until facility permanently cease use of all 3 Detroit diesel ICEs in noncompliance with rule.	1470		6/25/2014	NAS	HRB2227	\$1,000.00
114910	PROVIDENCE HOLY CROSS MEDICAL CTR. Hearing Board Case No. 5701-1 Beginning 12.15.13, facility shall pay \$1000/month until facility permanently cease use of all 3 Detroit diesel ICEs in noncompliance with rule.	1470		6/25/2014	NAS	HRB2228	\$1,000.00

TOTAL HEARING BOARD SETTLEMENTS: \$8,000.00

DISTRICT RULES AND REGULATIONS INDEX FOR JUNE 2014 PENALTY REPORTS

REGULATION II – PERMITS

List and Criteria Identifying Information Required of Applicants Seeking A Permit to Construct from the South Coast Air Quality Management - District *(Amended 4/10/98)*

- Rule 201 Permit to Construct *(Amended 1/5/90)*
- Rule 203 Permit to Operate *(Amended 1/5/90)*
- Rule 206 Posting of Permit to Operate *(Amended 10/8/93) Explains how and where permits are to be displayed.*
- Rule 218.1 Continuous Emission Monitoring Performance Specifications *(Amended 5/14/99)*
- Rule 222 Filing Requirements for Specific Emission Sources Not Requiring a Written permit Pursuant to Regulation II. *(Amended 5/19/00)*

REGULATION IV - PROHIBITIONS

- Rule 403 Fugitive Dust *(Amended 12/11/98) Pertains to solid particulate matter emitted from man-made activities.*
- Rule 461 Gasoline Transfer and Dispensing *(Amended 6/15/01)*
- Rule 462 Organic Liquid Loading *(Amended 5/14/99)*

REGULATION XI - SOURCE SPECIFIC STANDARDS

- Rule 1102 Petroleum Solvent Dry Cleaners *(Amended 11/17/00)*
- Rule 1146.1 Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters *(Amended 5/13/94)*
- Rule 1141.2 Surfactant Manufacturing *(Amended 11/17/00)*
- Rule 1147 NO_x REDUCTIONS FROM MISCELLANEOUS SOURCES (9/08)
- Rule 1178 Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities *(Amended 4/7/06)*

REGULATION XIV - TOXICS

- Rule 1402 Control of Toxic Air Contaminants from Existing Sources *(Amended 3/17/00)*
- Rule 1403 Asbestos Emissions from Demolition/Renovation Activities *(Amended 4/8/94)*
- Rule 1470 Requirements for Stationary Diesel-Fueled Internal Combustion and Other Compression Ignition Engines

REGULATION XX REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)

- Rule 2004 Requirements (*Amended 5/11/01*)
- Rule 2012 Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NO_x) Emissions (*Amended 5/11/01*)

REGULATION XXX - TITLE V PERMITS

- Rule 3002 Requirements (*Amended 11/14/97*)
- Rule 3003 Applications (*Amended 3/16/01*)
- Rule 3004 Permit Types and Content (*Amended 12/12/97*)

CALIFORNIA HEALTH AND SAFETY CODE § 41700

- 41960.2 Gasoline Vapor Recovery
- 42402 Violation of Emission Limitations – Civil Penalty

CODE OF FEDERAL REGULATIONS

40 CFR – Protection of the Environment

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 17

REPORT: Lead Agency Projects and Environmental Documents Received by the SCAQMD

SYNOPSIS: This report provides, for the Board's consideration, a listing of CEQA documents received by the SCAQMD between June 1, 2014 and July 31, 2014, and those projects for which the SCAQMD is acting as lead agency pursuant to CEQA.

COMMITTEE: Mobile Source, July 25, 2014, Reviewed the June 1-June 30, 2014 portion of the report; while the July 1-July 31, 2014 portion had no committee review.

RECOMMENDED ACTION:
Receive and file.

Barry R. Wallerstein, D.Env.
Executive Officer

EC:LT:SN:MK:IM:AK

Background

CEQA Document Receipt and Review Logs (Attachments A and B) – Each month, the SCAQMD receives numerous CEQA documents from other public agencies on projects that could adversely affect air quality. Because no Board meeting was held in August, the listing of CEQA documents that would have otherwise been reported for the period of June 1, 2013, through June 30, 2013 is also included in this agenda item as Attachment A-1. (A listing of all documents received during the reporting period of July 1, 2013 through July 31, 2013 is contained in Attachment A-2.) Attachment B-1 lists active projects from previous reporting periods. A list of active projects from previous reporting periods for which SCAQMD staff is continuing to evaluate or prepare comments is included as Attachment B-2. Finally, a list of projects for which the SCAQMD is the lead agency under CEQA is included as Attachment C.

The Intergovernmental Review function, which consists of reviewing and commenting on the adequacy of the air quality analysis in CEQA documents prepared by other lead

agencies, is consistent with the Board's 1997 Environmental Justice Guiding Principles and Initiative #4. Consistent with the Environmental Justice Program Enhancements for FY 2002-03 approved by the Board in September 2002, each of the attachments notes those proposed projects where the SCAQMD has been contacted regarding potential air quality-related environmental justice concerns. The SCAQMD has established an internal central contact to receive information on projects with potential air quality-related environmental justice concerns. The public may contact the SCAQMD about projects of concern by the following means: in writing via fax, email, or standard letters; through telephone communication; as part of oral comments at SCAQMD meetings or other meetings where SCAQMD staff is present; or submitting newspaper articles. The attachments also identify for each project the dates of the public comment period and the public hearing date, as reported at the time the CEQA document is received by the SCAQMD. Interested parties should rely on the lead agencies themselves for definitive information regarding public comment periods and hearings as these dates are occasionally modified by the lead agency.

At the January 6, 2006 Board meeting, the Board approved the Workplan for the Chairman's Clean Port Initiatives. One action item of the Chairman's Initiatives was to prepare a monthly report describing CEQA documents for projects related to goods movement and to make full use of the process to ensure the air quality impacts of such projects are thoroughly mitigated. In response to describing goods movement CEQA documents, Attachments A and B are organized to group projects of interest into the following categories: goods movement projects; schools; landfills and wastewater projects; airports; and general land use projects, etc. In response to the mitigation component, guidance information on mitigation measures were compiled into a series of tables relative to: off-road engines; on-road engines; harbor craft; ocean-going vessels; locomotives; fugitive dust; and, greenhouse gases. These mitigation measure tables are on the CEQA webpages portion of the SCAQMD's website. Staff will continue compiling tables of mitigation measures for other emission sources including airport ground support equipment, etc.

As resources permit, staff focuses on reviewing and preparing comments for projects: where the SCAQMD is a responsible agency; that may have significant adverse regional air quality impacts (e.g., special event centers, landfills, goods movement, etc.); that may have localized or toxic air quality impacts (e.g., z and distribution centers); where environmental justice concerns have been raised; and those projects for which a lead or responsible agency has specifically requested SCAQMD review. If the SCAQMD staff provided written comments to the lead agency as noted in the column "Comment Status", there is a link to the "SCAQMD Letter" under the Project Description. In addition, if the SCAQMD staff testified at a hearing for the proposed project, a notation is provided under the "Comment Status." If there is no notation that the SCAQMD staff testified, then staff did not provide testimony at a hearing for the proposed project.

During the period June 1, 2014 through July 31, 2014, the SCAQMD received 201 CEQA documents. Of the total of 234 documents listed in Attachments A and B:

- 46 comment letters were sent;
- 33 documents were reviewed, but no comments were made;
- 38 documents are currently under review;
- 17 documents did not require comments (e.g., public notices, plot plans, Final Environmental Impact Reports);
- 15 documents were not reviewed; and
- 85 were screened without additional review.

Copies of all comment letters sent to lead agencies can be found on the SCAQMD's CEQA webpage at the following internet address:

<http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

In addition, SCAQMD staff has been working on a Warehouse Truck Trip Study to better quantify trip rates associated with local warehouse and distribution projects, as truck emissions represent more than 90 percent of air quality impacts from these projects. Draft final results for the Warehouse Truck Trip Study are completed and are lower than current SCAQMD recommended truck trip rates in the California Emissions Estimator Model (CalEEMod). As an interim measure, staff will no longer be recommending use of the higher truck trip rates in CalEEMod in CEQA comment letters and is recommending truck trip rates from the Institute of Transportation Engineers (ITE) for high cube warehouse projects. Consistent with CEQA Guidelines, the EIR may use a non-default trip rate if there is substantial evidence indicating another rate is more appropriate for the air quality analysis. Staff will be bringing this item to the Board in Fall 2014, with staff recommendations for truck trip rates for high cube warehouses based on locally collected data.

SCAQMD Lead Agency Projects (Attachment C) – Pursuant to CEQA, the SCAQMD periodically acts as lead agency for stationary source permit projects. Under CEQA, the lead agency is responsible for determining the type of CEQA document to be prepared if the proposal is considered to be a “project” as defined by CEQA. For example, an Environmental Impact Report (EIR) is prepared when the SCAQMD, as lead agency, finds substantial evidence that the proposed project may have significant adverse effects on the environment. Similarly, Negative Declaration (ND) or Mitigated Negative Declaration (MND) may be prepared if the SCAQMD determines that the proposed project will not generate significant adverse environmental impacts, or the impacts can be mitigated to less than significance. The ND and MND are written statements describing the reasons why proposed projects will not have a significant adverse effect on the environment and, therefore, do not require the preparation of an EIR.

Attachment C to this report summarizes the active projects for which the SCAQMD is lead agency and is currently preparing or has prepared environmental documentation. Through the end of May, the SCAQMD received no new requests to be the lead agency for stationary source permit application projects. As noted in Attachment C, through the end of May 2014, the SCAQMD continued working on the CEQA documents for nine active projects.

Through the end of July 2014, SCAQMD staff has been responsible for preparing or having prepared CEQA documents for nine permit application projects, all continuing from 2013. One project ceased evaluation as the permit applications were withdrawn.

Attachments

- A. Incoming CEQA Documents Log
- B. Ongoing Active Projects for Which SCAQMD Has or Will Conduct a CEQA Review
- C. Active SCAQMD Lead Agency Projects

**ATTACHMENT A-1
INCOMING CEQA DOCUMENTS LOG
JUNE 1, 2014 TO JUNE 30, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Industrial and Commercial</i> RVC140620-01 Reclamation Plan No. 113 Revision No. 1 (RCLA00113R1)	This document consists of a mining reclamation plan. The proposed project consists of permitting an additional 3 million cubic yards of sand/rock from the previously approved mine site. In addition the Amendment proposes to permit on-site recycling of asphalt, concrete and other inert fill material. Comment Period: 6/20/2014 - 7/3/2014 Public Hearing: N/A	Other	County of Riverside	Document does not require comments
<i>Industrial and Commercial</i> SBC140604-04 P201400020/RMC	The proposed project consists of revisions to an approved action to expand a 3,750 square-foot auto repair facility by an additional 3,610 square feet on 1.06 acres. Comment Period: 6/4/2014 - 6/13/2014 Public Hearing: N/A	Initial Project Consultation	County of San Bernardino	Document does not require comments
<i>Industrial and Commercial</i> SBC140613-09 Adaptive Reuse of the Moss Brothers Site	The proposed project consists of two project phases with the first phase divided into two subphases. Phase I includes remodeling the two existing buildings plus an addition to the easterly building. During Phase 1A, the easterly building would be remodeled and expanded by 18,500 square feet to the existing 28,000 square-foot building for a total of 46,500 square feet. Phase 1B, the existing 38,000 square-foot westerly building would be remodeled for reuse as commercial retail or office space. Phase 2 includes development of up to 65,000 square feet of new retail and restaurant space at the frontage of the site along Valley Blvd. Comment Period: 6/13/2014 - 7/2/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Colton	Document reviewed - No comments sent
<i>Industrial and Commercial</i> SBC140627-02 Chino RV Storage	The proposed project consists of constructing an RV storage facility containing approximately 313 RV storage spaces and a 384 square-foot leasing office on a 7.19-acre site. Comment Period: N/A Public Hearing: N/A	Draft Environmental Impact Report	City of Chino	No review conducted - No comments sent
<i>Waste and Water-related</i> LAC140603-02 Civic Center Wastewater Treatment Facility Project	The proposed project consists of developing the project in response to the prohibition of on-site wastewater disposal system in the Civic Center area of the City of Malibu imposed by the State Water Resources Control Board and Los Angeles Regional Water Quality Control Board. The project would construct a new centralized wastewater treatment facility that would treat the wastewater flows from properties in the Prohibition Zone that will no longer be served by onsite wastewater treatment systems. Comment Period: 5/30/2014 - 7/28/2014 Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	City of Malibu	Document under review as of 5/31/14

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-1
INCOMING CEQA DOCUMENTS LOG
JUNE 1, 2014 TO JUNE 30, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Waste and Water-related LAC140604-02 Proposed Cleanup Plan for United Alloys, Inc.	The proposed project consists of a cleanup plan called a draft Removal Action Work Plan. The plan proposes soil vapor extraction to remove volatile organic compounds, predominantly tetrachloroethene and trichloroethene that were found in soil. Comment Period: 5/29/2014 - 6/28/2014 Public Hearing: N/A	Community Notice	Department of Toxic Substances Control	Document reviewed - No comments sent
Waste and Water-related LAC140610-01 San Jose Creek Water Reclamation Plant East Processing Optimization Facilities Plan	The proposed project consists of a Facility Plan to identify a project that meets the objectives in a cost-effective and environmentally sound manner. The objectives of this Facility Plan are: reliably to meet Title 22 disinfection requirements for unrestricted use at permitted capacity; increase volume and availability of recycled water for reuse; and minimize formation of disinfection byproducts at permitted capacity. Comment Period: 6/10/2014 - 7/11/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	County Sanitation Districts of Los Angeles	Document under review as of 5/31/14
Waste and Water-related LAC140610-11 CleanTech Environmental Inc.	This document consists of a community survey concerning the proposed CleanTech Environmental Inc. facility to be located at 5820 Martin Road in Irwindale. CleanTech is applying for a new hazardous waste facility permit to store and treat used motor oil, and store used anti-freeze and solid waste contaminated oil. Comment Period: 6/10/2014 - 6/20/2014 Public Hearing: N/A	Other	Department of Toxic Substances Control	Document does not require comments
Waste and Water-related LAC140613-03 Former Equality Plating Company	The proposed project consists of draft Corrective Measures Proposal for the former Equality Plating Company. Hexavalent chromium found in the soil exceeds allowable levels. Comment Period: 6/12/2014 - 7/11/2014 Public Hearing: N/A	Community Notice	Department of Toxic Substances Control	Document does not require comments
Waste and Water-related LAC140624-05 South Region High School #8 Development - Removal Action Workplan Implementation	The proposed project consists of field work due to the implementation of the cleanup plan known as the Removal Action Workplan. The work includes the following: Excavation and removal of approximately 1,484 cubic yards of soil contaminated with mostly lead and pesticides and lesser amounts of petroleum hydrocarbons and arsenic; approximately 13 truckloads per day of impacted soil will be shipped from the site; and trucks transporting contaminated soil to a permitted disposal facility and bringing in clean fill soil. Comment Period: 6/24/2014 - 8/7/2014 Public Hearing: N/A	Community Notice	Department of Toxic Substances Control	Document under review as of 5/31/14
Waste and Water-related LAC140624-09 Former Kaiser Steel Mill (ACS Speedway; Operable Unit No. 2) Five-Year Review	The proposed project consists of an explanation of how the Five-Year Review was undertaken, history and operation of the site and results and remedies of the five-year reviews technical assessment. Comment Period: N/A Public Hearing: N/A	Community Notice	Department of Toxic Substances Control	Document does not require comments

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

ATTACHMENT A-1
INCOMING CEQA DOCUMENTS LOG
JUNE 1, 2014 TO JUNE 30, 2014

<u>SCAQMD LOG-IN NUMBER</u>	PROJECT DESCRIPTION		TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
PROJECT TITLE					
Waste and Water-related ORC140610-08 Ascon Landfill Site, Huntington Beach	The proposed project consists of an update for the proposed Remedial Action Plan being conducted by the Department of Toxic Substances Control for the Ascon Landfill Site located at 21641 Magnolia Street in Huntington Beach. Comment Period: N/A Public Hearing: N/A		Community Notice	Department of Toxic Substances Control	Document does not require comments
Waste and Water-related SBC140613-02 Southwest Metal Company	This document consists of a community survey assessing interest in a Draft Remedy Selection Document and Removal Action Workplan for Southwest Metal Company. The site is located at a former battery breaking and secondary lead smelter facility that was in operation from approximately 1975 to 1983 and is currently vacant and inactive. Comment Period: 6/13/2014 - 6/25/2014 Public Hearing: N/A		Other	Department of Toxic Substances Control	Document under review as of 5/31/14
Waste and Water-related SBC140625-02 CUP No. 13-8009 & Environ. Assessment No. 14-0011	The proposed project consists of a proposal to process used oil collected from various oil collection facilities and process it by use of low temperature gas fired machines that were previously going to be used for tire recycling. Comment Period: 6/25/2014 - 7/8/2014 Public Hearing: N/A		Draft Environmental Assessment	City of Banning	No review conducted - No comments sent
Utilities LAC140613-01 E & B Oil Drilling and Production Project	The proposed project consists of developing a 1.3-acre site currently used as the City Maintenance yard, as an onshore oil drilling and production site using directional drilling to access oil and gas reserves in the tidelands and uplands within the Torrance Oil Field, with 30 production wells, four water injection wells, liquid and gas separating equipment, and gas processing unit. In addition, the project would result in the installation of offsite underground pipelines for the transportation of the processed crude oil and gas from the site to purchasers, extending through the Cities of Redondo Beach and Torrance. Comment Period: N/A Public Hearing: N/A		Notice of Availability of a Final Environmental Impact Report	City of Hermosa Beach	No review conducted - No comments sent
Utilities RVC140626-12 Pellissier Ranch Solar Photovoltaic Project	The proposed project consists of constructing and operating a solar facility on a portion of a vacant 227-acre site. The project would construct an up to 10 megawatt photovoltaic generation facility on approximately 100 acres, within the total proposed area of 227 acres. The remainder of the site would remain undeveloped. Comment Period: 6/26/2014 - 7/26/2014 Public Hearing: N/A		Notice of Preparation	City of Riverside	Document under review as of 5/31/14
Transportation LAC140611-03 Interstate 5 Widening Project from State Route 73 to El Toro Road	The proposed project consists of widening Interstate 5 from State Route 73 to El Toro Road in Orange County. The project would also add one general-purpose lane in each direction on I-5 between Avery Parkway and Alicia parkway and extend the second high-occupancy vehicle lane from Alicia Parkway to El Toro Rd. Comment Period: N/A Public Hearing: N/A		Response to Comments	California Department of Transportation	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Transportation ORC140617-02 Ball Rd/Sunkist St Intersection Improvements	The proposed project consists of improvements to the intersection of Ball Road and Sunkist Street to increase the capacity of the intersection. Four build alternatives have been analyzed to increase the capacity of the intersection. Comment Period: 6/13/2014 - 7/14/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Anaheim	Document reviewed - No comments sent
Transportation ORC140626-09 Whittier Boulevard and Hacienda Road Intersection Improvements Projects	The proposed project consists of improving the level of service and increase the vehicular capacity of the intersection of Whittier Boulevard and Hacienda Road. Comment Period: 6/27/2014 - 7/28/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of La Habra	Document reviewed - No comments sent
Transportation SBC140611-01 Planned Development No. 3 and Minor Subdivision No. 339	The proposed project consists of constructing two warehouse/distribution centers consisting of a 600,727 square-foot building on approximately 50.67 acres. The project also includes the subdivision of 50.67 acres into two parcels consisting of a 27.04-acre parcel and a 23.62-acre parcel located north of the Interstate 10 Freeway within the East Valley Corridor Specific Plan. Comment Period: N/A Public Hearing: 6/16/2014	Notice of a Public Hearing	City of Redlands	Document does not require comments
Institutional (schools, government, etc.) LAC140612-11 Los Angeles Street Civic Building Project	The proposed project consists of reactivating the existing Parker Center Property to provide office space for City of Los Angeles employees. Three potential build alternatives are considered and are as follows: Rehabilitation with various improvements; Partial Demolition Rehabilitation, and Addition, which includes rehabilitation of majority of the building combined with an expansion of 522,255 square feet; and Demolition and Build, which includes full demolition and construction of 753,753 square feet. Comment Period: N/A Public Hearing: 6/24/2014	Response to Comments	City of Los Angeles	Document reviewed - No comments sent
Institutional (schools, government, etc.) LAC140617-04 Brentwood School Education Master Plan	The proposed project consists of a master plan for the Brentwood School, an independent K-12 coed school with 995 students and facilities on two campuses located approximately one-half mile apart in the Brentwood-Pacific Palisades Community of the City of Los Angeles. The East Campus is approximately 7.5 acres in size and contains existing facilities currently used for grades 7-12. Portions of the East Campus occupy land owned by the West Los Angeles Veterans Administration. The West Campus, located at 12001 Sunset Boulevard is approximately 3.5 acres in size, and contains existing facilities currently used for grades K-6. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopbrentwood.pdf Comment Period: 6/17/2014 - 7/14/2014 Public Hearing: N/A	Notice of Preparation	City of Los Angeles	SCAQMD staff commented 6/24/2014

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Medical Facility RVC140610-02 Kaiser Permanente Murrieta Valley Medical Center Project	The proposed project consists of developing a new, multiphase, state-of-the-art medical center, including the development of approximately 824,500 square feet of high-end advanced medical services facilities and retail, commercial, and ancillary uses. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopkaiser.pdf Comment Period: 6/10/2014 - 7/10/2014 Public Hearing: 6/24/2014	Notice of Preparation	City of Murrieta	SCAQMD staff commented 6/15/2014
Retail LAC140605-04 ENV-2013-3835/ 1023 S. Beacon Avenue; Westlake	The proposed project consists of constructing a hotel containing 151 guest rooms and 8,600 square feet of restaurant café, and banquet uses. The building would comprise approximately 151,250 gross square feet of floor area on the 43,609 square-foot lot. Comment Period: 6/5/2014 - 7/7/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document under review as of 5/31/14
Retail ORC140606-04 The Shops at Capistrano	The proposed project consists of developing a 3.18-acre site with a three-story, 124-room hotel, including 75,000 gross square feet. The project also includes approximately 14,500 square feet of downtown commercial land uses, including 6,509 square feet of retail commercial floor area, a 5,747 square-foot restaurant, and a 1,971 square-foot private office. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopshopcapistrano.pdf Comment Period: 6/6/2014 - 7/6/2014 Public Hearing: 6/16/2014	Notice of Preparation	City of San Juan Capistrano	SCAQMD staff commented 6/12/2014
Retail RVC140606-03 Tentative Parcel Map No. 36493 (TPM-2012-3259) and Development Plan No. 2012-3260	The proposed project consists of a retail commercial center with 153,000 square feet of building area including a service station with convenience store and car wash, restaurants, fast food with drive-through, bank with drive-through, market, hotel and shops for general retail use. Comment Period: 6/6/2014 - 7/8/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Murrieta	Document under review as of 5/31/14
General Land Use (residential, etc.) LAC140605-01 ENV-2014-370/ 4083 and 4091 South Redwood Avenue; Palms-Mar Vista-Del Rey	The proposed project consists of subdividing and constructing a five-story mixed-use building consisting of 67 condominium units and 7,525 square feet of commercial office space with a total of 141 parking spaces on a 39,251 net square-foot site. The existing building on-site will be demolished. Comment Period: 6/5/2014 - 7/7/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
General Land Use (residential, etc.) LAC140610-06 Talaria at Burbank Project	The proposed project consists of constructing a new 423,635 square-foot four- to five-story mixed-use building that would include two and a half levels of at-grade and subterranean parking with a total of approximately 760 parking spaces, 42,950 square feet of ground level retail, and 241 multi-family residential units. Comment Period: 5/27/2014 - 7/11/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Burbank	Document reviewed - No comments sent

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC140620-03 101 W. Walnut Site (Parsons Site)	The proposed project consists of mixed-use development that seeks to transform the Project Site from a single-function office complex with over 900,000 square feet, which features the 12-story Parsons Corporate tower, to a mixed-use office campus and residential community. Comment Period: 6/20/2014 - 8/4/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Pasadena	Document under review as of 5/31/14
<i>General Land Use (residential, etc.)</i> LAC140624-01 The Ford Theatre Project	The proposed project consists of improvements that would result in approximately 47,550 square feet of new facilities and approximately 48,750 new square feet of outdoor plaza areas within the Project Site, for a total of 96,300 square feet. Comment Period: 6/23/2014 - 8/8/2014 Public Hearing: N/A	Draft Environmental Impact Report	County of Los Angeles	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> LAC140624-02 140000011	The proposed project consists of developing residential, commercial, and public open space/ trail uses on an undeveloped site of approximately 77 acres. The residential component would include a gated community with 138 single-family detached homes, eight affordable condominiums for very-low income residents in one three-story building, and a clubhouse and recreation area. Single-family residential uses would total 311,300 square feet. The commercial component would consist of a 64,162 square-foot, four-story hotel. Comment Period: 6/24/2014 - 7/10/2014 Public Hearing: N/A	Notice of Preparation	City of Calabasas	Document under review as of 5/31/14
<i>General Land Use (residential, etc.)</i> LAC140624-04 100 W. Walnut Planned Development (the "Parsons" Site)	The proposed project consists of a mixed-use development that seeks to transform the Project Site from a single-function office complex with over 900,000 square feet, which features the 12-story Parsons Corporation tower, to a mixed-use office campus and residential community. The project includes adding the following uses and buildings to the site: 1) 620,000 square feet of office uses, of which up to 30,000 square feet could be used for ancillary retail uses; 2) 10,000 square feet of restaurant uses; and 3) 475 residential units, which include work/live units along a portion of the Fair Oaks Avenue frontage. Comment Period: 6/20/2014 - 8/4/2014 Public Hearing: 7/23/2014	Draft Environmental Impact Report	City of Pasadena	Document under review as of 5/31/14
<i>General Land Use (residential, etc.)</i> LAC140626-03 ENV-2014-1659/ 15230 W. Parthenia St.; Mission Hills- Panorama City- North Hills	The proposed project consists of developing a new 41-unit residential apartment building on an approximately 24,500 square-foot site. The building will be comprised of four levels of residential uses and partial parking uses on the ground-floor over one level of subterranean parking. The project will require the exportation of 9,000 cubic yards of dirt. Comment Period: 6/26/2014 - 7/16/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent

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<i>General Land Use (residential, etc.)</i> LAC140626-04 ENV-2014-1664/ 8435 N. Orion Ave.; Mission Hills-Panorama City-North Hills	The proposed project consists of developing a new 24-unit residential apartment building on an approximately 16,425 square-foot site. The project will require the exportation of 6,700 cubic yards of dirt. Comment Period: 6/26/2014 - 7/28/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document under review as of 5/31/14
<i>General Land Use (residential, etc.)</i> ORC140610-09 Kinsbursky Brothers Supply, Inc.	This document consists of a Notice of Class I Permit Modification. The proposed project consists of a modification to the contingency plan for its existing facility located at 1314 North Anaheim Boulevard, Anaheim. Minor updates were required to address location and number of emergency response equipment maintained at the facility. The changes were made to enhance plan and facility maps identifying the layout of emergency response equipment were completed. Comment Period: N/A Public Hearing: N/A	Other	Department of Toxic Substances Control	Document does not require comments
<i>General Land Use (residential, etc.)</i> ORC140617-01 Tentative Tract Map 17665	The proposed project consists of a tentative tract map for a condominium subdivision for the development of six single-family detached condominium units on a 16,060 square-foot site. Comment Period: 6/17/2014 - 6/27/2014 Public Hearing: N/A	Initial Project Consultation	City of Tustin	Document does not require comments
<i>General Land Use (residential, etc.)</i> RVC140606-05 Plot Plan No. 24883 & Change of Zone No. 07782	The proposed project consists of constructing a 2,480 square-foot special occasions facility and restroom building, a 68,389 square-foot open air wedding ceremony assembly area, a 768 square-foot residence, a 31,496 square-foot church building comprised of classrooms, offices, assembly areas, and porches, and a 49,379 square-foot church building for sanctuary, offices, restrooms, and porches. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopplotplan24883.pdf Comment Period: 6/6/2014 - 7/30/2014 Public Hearing: N/A	Notice of Preparation	County of Riverside	SCAQMD staff commented 6/12/2014
<i>General Land Use (residential, etc.)</i> RVC140610-05 Change of Zone No. 07544, EIR No. 500 and Tentative Tract Map No. 36030	The proposed project consists of a single-family residential subdivision with a total of 345 lots, including 314 residential lots on 242 acres. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopcz07544.pdf Comment Period: 6/10/2014 - 7/10/2014 Public Hearing: N/A	Notice of Preparation	County of Riverside	SCAQMD staff commented 6/15/2014
<i>General Land Use (residential, etc.)</i> RVC140613-06 Tentative Parcel Map No. 36591 Desert Bloom Villas	The proposed project consists of a 98-unit single-family subdivision to be developed on approximately 13.5 acres. Comment Period: 6/12/2014 - 7/1/2014 Public Hearing: 7/16/2014	Draft Mitigated Negative Declaration	City of Cathedral City	Document reviewed - No comments sent

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<i>General Land Use (residential, etc.)</i> SBC140613-07 Ronald McDonald House Expansion	The proposed project consists of expanding their existing 16,100 square-foot, 20 guest room Loma Linda Ronald McDonald House facility. The project includes expanding approximately 28,445 square feet east and west of the existing facility. A net addition of 34 guest rooms is proposed. Comment Period: 6/13/2014 - 7/2/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Loma Linda	Document reviewed - No comments sent
<i>Plans and Regulations</i> LAC140624-06 ENV-2007-254-EIR	The proposed project consists of a map implementing action of the previously approved NBC Universal Evolution Plan. No additional development is proposed with this Tract Map. Comment Period: N/A Public Hearing: 7/2/2014	Notice of a Public Hearing	City of Los Angeles	Document does not require comments
<i>Plans and Regulations</i> LAC140626-10 SUBAREA 5 Project Case Nos. 14-ZC-001, 141-ZOA-001, and 14-GPA-001	The proposed project consists of changing the zoning and General Plan land use designation of Subarea 5 of the General Plan to fulfill the General Plan goals and policies for this area to provide for a mix of land uses in a well-designed and planned center. The project also involves an amendment to the City's Architectural Design Standards and Guidelines to provide design recommendations related to buildings, site planning, pedestrian amenities, parking and circulation of the new zoning districts. Comment Period: N/A Public Hearing: 7/9/2014	Notice of a Public Hearing	City of Agoura Hills	Document does not require comments
<i>Plans and Regulations</i> ORC140606-02 Spieker Continuing Care Retirement Community (Laguna Glen CCRC) Specific Plan	The proposed project consists of developing a self-contained Continuing Care Retirement Community (CCRC) designed for residents over the age of 60. The project includes the change of the General Land use designation of the entire approximately 35-acre project site from Agri-Business to Specific Plan/Precise Plan, and to rezone the entire project site from Agri-Business to Specific Plan/Precise Plan District. The CCRC would include two main components: independent living units, for residents capable of residing in the community without daily assistance; and a Health Care Center, for residents requiring daily assistance or daily medical attention. Comment Period: 6/3/2014 - 7/22/2014 Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	City of San Juan Capistrano	Document reviewed - No comments sent
<i>Plans and Regulations</i> ORC140610-04 Downtown Core and Corridors Specific Plan	The proposed project consists of a Specific Plan that provides a land use and policy framework to support the transformation of Fullerton's major commercial areas into sustainable and economically vibrant districts. Comment Period: N/A Public Hearing: 7/23/2014	Notice of Availability of a Draft Program Environmental Impact Report	City of Fullerton	Document reviewed - No comments sent

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<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i> RVC140617-06 Lennar Residential Project	The proposed project consists of a change of zone from Rural Residential to Planned Residential; Tentative Tract Map for the subdivision of approximately 24 acres into 67 single-family residential lots for future single family residential development; and a Plot Plan for the final site plan of development for the development of 67 single-family residential dwelling units. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/mndlennar.pdf Comment Period: 6/17/2014 - 7/16/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Wildomar	SCAQMD staff commented 6/25/2014
<i>Plans and Regulations</i> RVC140624-07 Amendment No. 1 to the "Town Center Specific Plan" Development Agreement	The proposed project consists of Amendment No. 1 to the Town Center Specific Plan Development Agreement which is a proposal for the City of Menifee to amend the existing development agreement between the City of Menifee and Start Menifee Land, LLC regarding the Town Center Specific Plan. The amendment proposes to amend sections of the existing development agreement, including the Central Park Improvements. Comment Period: N/A Public Hearing: 7/2/2014	Notice of a Public Hearing	City of Menifee	Document does not require comments
<i>Plans and Regulations</i> SBC140613-05 Falloncrest at the Preserve Master Plan Project	The proposed project consists of a mix of commercial, residential, and open space uses on approximately 125 acres. Comment Period: 6/14/2014 - 7/29/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Chino	Document under review as of 5/31/14
TOTAL DOCUMENTS RECEIVED AND REVIEWED THIS REPORTING PERIOD: 65				

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ATTACHMENT B-1*
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Airports</i> LAC140521-04 LAX Northside Plan Update	The proposed project consists of the LAX Northside Plan Update. The project would set forth new regulations for future development occurring within the Northside area of the LAX Specific Plan. The proposed Project is intended to create a vibrant, sustainable center of employment, retail, restaurant, office, hotel, research and development, education, civic, airport support, recreation, and buffer uses that support the needs to surrounding communities and Los Angeles World Airports. Comment Period: 5/31/2014 - 7/21/2014 Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	Los Angeles World Airports	Document under review as of 5/31/14
<i>Airports</i> ORC140523-03 John Wayne Airport Settlement Agreement Amendment Project	The proposed project consists of amending the John Wayne Airport (JWA) Settlement Agreement. The amendment would modify certain terms of the Settlement Agreement and extend the term through 2030. Different amendment scenarios are being evaluated: the Proposed Project; Alternatives A, B, and C which allow varying increases in the million annual passengers and Class A Average Daily Departures' and the No Project Alternatives, which allow the Settlement Agreement to expire. No physical improvements to the JWA facilities are proposed by any project scenario. Comment Period: 5/23/2014 - 7/8/2014 Public Hearing: 5/28/2014	Draft Environmental Impact Report	County of Orange	Document under review as of 5/31/14
<i>Waste and Water-related</i> LAC140522-12 Irwindale Material Recovery and Transfer Station	This document consists of a response from the City of Baldwin Park. The proposed project consists of construction and operation of a Materials Recovery Facility and Transfer Station with a fueling facility and convenience store. Comment Period: N/A Public Hearing: N/A	Response to Comments	City of Irwindale	Document under review as of 5/31/14
<i>Plans and Regulations</i> LAC140214-02 City of Los Angeles Mobility Plan 2035	The proposed project is a comprehensive revision of the adopted 1999 City of Los Angeles Transportation Element of the General Plan that will guide mobility decisions in the City through year 2035. The proposed Mobility Plan 2035 includes: (1) Policies - that support the goals and objectives; (2) an Enhanced Complete Street System - that prioritizes selected roadways for pedestrian, bicycle, transit, or vehicle enhancements; (3) an Action Plan - That prioritizes actions necessary for implementing the policies and programs; (4) a Complete Street Manual - that describes and identifies implementation procedures for the City's expanded Street Standards and Guidelines; and (5) a Bicycle Plan - incorporated into this plan since the previous 2010 Bicycle Plan was adopted in 2011. Comment Period: 2/13/2014 - 5/13/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Los Angeles	Document under review as of 5/31/14
<i>Plans and Regulations</i> RVC140522-03 Colinas del Oro	The proposed project consists of a mixed use development on the Colinas del Oro, an approximate 126.4-acre site located within the community of Meadowbrook, an unincorporated area in western Riverside County. As presently proposed, the Project proponent is preparing a draft specific plan (Colinas del Oro Specific Plan No. 364), that would allow conversion of this property to a mixed-use use development with residential, commercial, park, and open space uses. Comment Period: 5/22/2014 - 7/3/2014 Public Hearing: N/A	Draft Environmental Impact Report	County of Riverside	Document under review as of 5/31/14

*Sorted by Comment Status, followed by Land Use, then County, then date received.

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Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT B-1
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i> SBC140523-02 Colton Hub City Center Specific Plan	The proposed project consists of allowing new development projects in the Colton Hub City Center Specific Plan (CHCCSP) area which consists of 373 acres of larger West Subarea of the West Valley Specific Plan. The CHCCSP divides the project area into planning areas with land use designations of Residential, Retail, Retail Mixed-Use, Office Mixed Use, Business Park, Open Space Conservation, Neighborhood Park, and Roads. Comment Period: 5/27/2014 - 7/10/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Colton	Document under review as of 5/31/14
<i>Goods Movement</i> LAC140506-01 Berths 212-224 Container Terminal Improvements Project	The proposed project consists of improving the container-handling efficiency of the existing YTI Terminal at the Port to accommodate the projected fleet mix of larger container vessels (up to 13,000 TEUs) that are anticipated to call at the YTI Terminal through 2026. The proposed Project consists of deepening two existing berths (Berths 217–220 and Berths 214–216), which would add an additional operating berth to the YTI Terminal, extending the 100-foot gauge crane rail to Berths 217–220, adding a single operational rail track to the Terminal Island Container Transfer Facility (TICTF) on-dock rail, modifying and replacing cranes, and constructing backland improvements. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/yti_deir.pdf Comment Period: 5/6/2014 - 6/30/2014 Public Hearing: N/A	Draft Environmental Impact Report	Port of Los Angeles	SCAQMD staff commented 6/27/2014
<i>Warehouse & Distribution Centers</i> RVC140523-06 Integra Perris Distribution Center	The proposed project consists of constructing and operating up to 864,000 square feet of industrial warehouse/distribution uses on the approximately 43.2-acre site. One industrial building is proposed. The building would accommodate a high-cube warehouse/distribution center or an electronic commerce/fulfillment center, depending on the market demand. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopintegraperris.pdf Comment Period: 5/21/2014 - 6/14/2014 Public Hearing: N/A	Notice of Preparation	City of Perris	SCAQMD staff commented 6/3/2014
<i>Retail</i> LAC140528-04 Sprouts - 8550 Santa Monica Boulevard Project	The proposed project consists of constructing a three-story building with approximately 42,300 square feet of commercial space on a 0.6-acre undeveloped project site. The proposed new commercial building would include a 20,000 square-foot Sprouts Farmers Market, a 1,319 square-foot corner café with an outdoor patio, 3,998 square feet of office space, an 8,000 square-foot fitness center/gym, and a 4,000 square-foot personal service space. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/nopsprouts.pdf Comment Period: 5/28/2014 - 6/23/2014 Public Hearing: N/A	Notice of Preparation	City of West Hollywood	SCAQMD staff commented 6/3/2014
<i>Retail</i> RVC140528-02 Lake Elsinore Walmart Retail Center Project	The proposed project consists of developing a commercial retail shopping center that would include a 154,487 square-foot Walmart store and three outer lots for other retail uses. The Walmart store would be a maximum of 154,487 square feet. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/June/noplakeelsinorewalmart.pdf Comment Period: 5/28/2014 - 6/27/2014 Public Hearing: N/A	Notice of Preparation	City of Lake Elsinore	SCAQMD staff commented 6/3/2014

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Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT C-1
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH JUNE 30, 2014**

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Operators of the Ultramar Wilmington Refinery are proposing to construct and install a 49 MW cogeneration unit to reduce the refinery's reliance on electricity from the Los Angeles Department of Water and Power and produce steam to meet internal needs. No other refinery modifications are proposed.	Ultramar Wilmington Refinery	Negative Declaration	Staff revised responses to the 3 comment letters received on Draft ND and consultant is providing edited responses and finalizing the Draft ND.	Environmental Audit, Inc.
The Phillips 66 (formerly ConocoPhillips) Los Angeles Refinery Ultra Low Sulfur Diesel project was originally proposed to comply with federal state and SCAQMD requirements to limit the sulfur content of diesel fuels. Litigation against the CEQA document was filed. Ultimately, the California Supreme Court concluded that the SCAQMD had used an inappropriate baseline and directed the SCAQMD to prepare an EIR, even though the project has been built and has been in operation since 2006. The purpose of this CEQA document is to comply with the Supreme Court's direction to prepare an EIR.	Phillips 66 (formerly ConocoPhillips), Los Angeles Refinery	Environmental Impact Report	The Notice of Preparation was circulated for a 30-day public comment period on March 26, 2012. The comment period ended on April 26, 2012. The consultant submitted the administrative Draft EIR to SCAQMD in late July 2013. SCAQMD reviewed the Draft EIR and the consultant is revising the document.	Environmental Audit, Inc.
The Phillips 66 Los Angeles Refinery operators are proposing to install one new 615,000-barrel crude oil storage tank with a geodesic dome to accommodate larger marine vessels delivering crude oil. The proposed project also includes increasing the throughput (i.e., frequency of filling and emptying tank) on two existing tanks and adding geodesic domes to these tanks, installing one new 14,000-barrel water draw surge tank and installing one new electrical power substation.	Phillips 66 Los Angeles Refinery Carson Plant	Negative Declaration	The Draft ND was released for a 30-day public review and comment period beginning on September 10, 2013 and ending on October 9, 2013. Three comment letters were received. SCAQMD reviewed the responses to the comment letters and the consultant is making edits to the responses and finalizing the Draft ND.	Environmental Audit, Inc.
The Tesoro Refining and Marketing Los Angeles Refinery operators are proposing to replace two existing tanks with two new larger tanks and to connect one existing tank to an existing vapor recovery system. The proposed project also includes replacing an on-site 12-inch pipe with a new 48-inch diameter pipe to connect to an existing pipeline to the marine terminal.	Tesoro Refining and Marketing Company Los Angeles Refinery	Negative Declaration	The Notice of Intent of a Draft ND was circulated for a 30-day public comment period from April 25, 2014 to May 27, 2014. The comment period was extended to June 10, 2014. 29 comment letters were received and are being reviewed.	Environmental Audit, Inc.

A shaded row indicates a new project.

#=SCAQMD was contacted regarding potential environmental justice concerns due to the natural and/or location of the project.

**ATTACHMENT C-1
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH JUNE 30, 2014**

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Warren E & P, Inc. is proposing a modification to a Subsequent MND that was certified by the SCAQMD on July 19, 2011. Warren has submitted a Supplemental ND detailing a gas sales project designed to replace the gas re-injection portion of the 2011 project.	Warren E & P, Inc.	Supplemental Negative Declaration	SCAQMD staff has reviewed and revised the Draft Supplemental ND. The Draft Supplemental ND was released for public review and comment on April 25 until May 27, 2014. The comment period was extended to June 10, 2014. One comment letter was received. Responses to comments are currently being prepared.	Environ
Operators of the KinderMorgan Lomita Terminal are proposing to deliver crude oil by expanding their rail facility.	KinderMorgan Lomita Terminal	To Be Determined	The consultants are preparing emission estimates to determine the type of CEQA document to be prepared.	SABS Consulting and TRC
Operators of the Petro Diamond Marine Terminal are proposing to increase the number of ship calls delivering ethanol.	Petro Diamond	To Be Determined	The consultant has prepared Draft Negative Declaration. SCAQMD staff is currently reviewing the Draft Negative Declaration to determine if it is the appropriate type of CEQA document for the project.	SABS Consulting
Quemetco is proposing an increase in daily furnace feed rate.	Quemetco	To Be Determined	Initial Study under review by SCAQMD staff.	Trinity Consultants
Chevron is proposing modifications to its Product Reliability and Optimization (PRO) Project and has applied for a change of permit conditions to reduce NOx emissions and fired duty operating conditions of the Tail Gas Unit.	Chevron	Addendum	Under staff review and edits provided to the consultant.	Environmental Audit, Inc.

A shaded row indicates a new project.

#=SCAQMD was contacted regarding potential environmental justice concerns due to the natural and/or location of the project.

**ATTACHMENT A-2 INCOMING
CEQA DOCUMENTS LOG JULY 1,
2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Warehouse & Distribution Centers LAC140702-02 Development Plan Approval No. 883 & Modification Case No. 1244	The proposed project consists of allowing construction of an 11,378 square-foot freestanding building adjacent to an existing 145,425 square-foot beverage distribution facility. Comment Period: N/A Public Hearing: 7/14/2014	Notice of a Public Hearing	City of Santa Fe Springs	Document does not require comments
Warehouse & Distribution Centers SBC140722-01 Agua Mansa Commerce Center Building I	The proposed project consists of constructing a speculative warehouse distribution facility that contains 12,000 square feet of office space and 435,330 square feet of warehouse space totaling 447,330 square feet of building area on 21.07 acres. The project is a modification to the previously approved Agua Mansa Commerce Center Master Plan. The project will add 13.23 acres to the Master Plan, increasing the Master Plan area from 94.18 acres to 107.13 acres. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/warehousenopagua.pdf Comment Period: 7/21/2014 - 8/19/2014 Public Hearing: N/A	Notice of Preparation	City of Colton	SCAQMD staff commented 7/29/2014
Warehouse & Distribution Centers SBC140722-03 Redlands Commerce Center Building 1 and 2 Project	The proposed project consists of the Redlands Fulfillment Center, which was to be located in primarily agricultural section of Redlands. The applicant is seeking an additional entitlement for a project that comprises two warehouse/distribution centers, so that they can also market the site to this type of user. The former project was a single building of approximately one million square feet, for the purpose of housing a fulfillment/distribution center. The new project now consists of two buildings, totaling approximately 1.1 million square feet for the purpose of housing two separate warehouse operations. Comment Period: 7/18/2014 - 8/18/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Redlands	Document under review as of 7/31/14
Warehouse & Distribution Centers SBC140731-06 P201400241/CF	The proposed project consists of a General Plan Amendment to Change the Official Land Use Zoning District from Bloomington/Single Residential with a 20,000 square-foot minimum lot side, additional Agriculture Overlay on 17.34 acres. The project will also include a Conditional Use Permit to establish a 344,000 square-foot "High-Cube" Warehouse facility on 17.34 acres. Comment Period: N/A Public Hearing: N/A	Initial Project Consultation	County of San Bernardino	Document under review as of 7/31/14
Industrial and Commercial LAC140702-01 Conditional Use Permit No. 750	The proposed project consists of allowing the construction and operation of a new 50-foot tall digital billboard with display area of 14' x 48'. Comment Period: N/A Public Hearing: 7/14/2014	Notice of a Public Hearing	City of Santa Fe Springs	Document does not require comments
Industrial and Commercial LAC140708-04 Planning Case No. PL-103-090	The proposed project consists of renovating two existing commercial buildings along with demolishing one commercial building, which will be replaced with a three-story mixed-use development with approximately 61,026 square feet, including 4,814 square feet of commercial space and 37 residential condominium units. Comment Period: 7/3/2014 - 7/22/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of San Gabriel	No review conducted - No comments sent

*Sorted by Land Use Type (in order of land uses most commonly associated with air quality impacts), followed by County, then date received.

- Project has potential environmental justice concerns due to the nature and/or location of the project.

Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<p><i>Waste and Water-related</i></p> <p>RVC140723-01 Corona Sewage Treatment Plant and National Housing Tract Dikes</p>	<p>The proposed project consists of implementing actions to remediate identified design and construction deficiencies in the Dikes to bring them up to current Corps standards. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopcoronasewage.pdf</p> <p style="text-align: center;">Comment Period: 7/23/2014 - 8/4/2014 Public Hearing: N/A</p>	Notice of Preparation	U.S. Army Corps of Engineers	SCAQMD staff commented 7/29/2014
<p><i>Waste and Water-related</i></p> <p>SBC140701-03 San Bernardino County Flood Control District</p>	<p>The proposed project consists of a Master Stormwater System Maintenance Program. Proposed improvements include the following: Improvement of the existing horizontal and vertical roadway geometrics; Realignment of the portion of the highway; Installation of shoulders; Installation of turning lanes; Construction of one passing lane for a short distance near the California-Nevada state line; Pavement rehabilitation; Relocation of utilities as necessary; and Drainage improvements. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopsbcmss.pdf</p> <p style="text-align: center;">Comment Period: 7/1/2014 - 7/29/2014 Public Hearing: N/A</p>	Notice of Preparation	County of San Bernardino	SCAQMD staff commented 7/9/2014
<p><i>Waste and Water-related</i></p> <p>SBC140715-05 Giebelhouse Dredge and Fill Project</p>	<p>The proposed project consists of authorizing the dredging of a shallow area of Big Bear Lake in Fawnskin area and placement of dredged materials on an adjacent parcel of land owned by the District and a parcel of land owned by the Applicant who desires to create a buildable pad for future development.</p> <p style="text-align: center;">Comment Period: 7/9/2014 - 8/7/2014 Public Hearing: N/A</p>	Draft Mitigated Negative Declaration	City of Big Bear	Document screened - No further review conducted
<p><i>Utilities</i></p> <p>LAC140717-02 ENV-2014-1249/ 20675 W. Bahama Street, 8900 & 8920 N. Lurline Avenue; Chatsworth-Porter Ranch</p>	<p>The proposed project consists of a conditional use permit for the installation, use and maintenance of a unmanned wireless telecommunications facility consisting of antennas, radio remote units, GPS antennas, microwave dishes and equipment shelter.</p> <p style="text-align: center;">Comment Period: 7/17/2014 - 8/6/2014 Public Hearing: N/A</p>	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<p><i>Utilities</i></p> <p>LAC140724-04 ENV-2014-946/ 21856 and 21856 1/2 W. Chatsworth Street.; Chatsworth-Porter Ranch</p>	<p>The proposed project consists of the installation, operation and maintenance of a 65-foot unmanned wireless telecommunications facility disguised as a pine tree.</p> <p style="text-align: center;">Comment Period: 7/24/2014 - 8/13/2014 Public Hearing: N/A</p>	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
Utilities RVC140716-02 West of Devers Upgrade Project	The proposed project consists of removing and upgrading a series of existing 220 kilovolt transmission lines along a 45-mile corridor in Riverside and San Bernardino Counties, between North Palm Springs and the Cities of Redlands and Grand Terrace. Comment Period: N/A Public Hearing: 7/16/2014	Notice of a Public Hearing	Public Utilities Commission	Document screened - No further review conducted
Transportation LAC140725-02 14-OTP-002	The proposed project consists of widening the existing Roadside Drive Bridge over Medea Creek, modifying the approaching segments of Roadside Drive, re-stripping Roadside Drive, adding a sidewalk on the Southside of Roadside Drive on the west side of the bridge, and installing landscape and lighting improvements. The purpose of these improvements is to improve traffic operations on Roadside Drive and adjacent local roads and to rehabilitate the existing bridge to meet current seismic standards. Comment Period: N/A Public Hearing: 8/13/2014	Notice of a Public Hearing	City of Agoura Hills	No review conducted - No comments sent
Transportation LAC140729-04 California High-Speed Rail System Burbank to Los Angeles Section	The proposed project consists of one of two parts of the Palmdale to Los Angeles Section of the Authority's proposed California High-Speed Rail System (HSR). This section of the HSR consists of the Burbank to Los Angeles section. Comment Period: 8/5/2014 - 8/19/2014 Public Hearing: N/A	Notice of Preparation	California High-Speed Rail Authority	Document under review as of 7/31/14
Transportation LAC140729-05 California High-Speed Rail System Palmdale to Burbank Section	The proposed project consists of one of two parts of the Palmdale to Los Angeles Section of the Authority's proposed California High-Speed Rail System (HSR). This section of the HSR consists of the Palmdale to Burbank section. Comment Period: 8/5/2014 - 8/19/2014 Public Hearing: N/A	Notice of Preparation	California High-Speed Rail Authority	Document under review as of 7/31/14
Transportation ORC140718-02 University Drive Widening Project (MacArthur Boulevard to Campus Drive)	The proposed project consists of providing a third travel lane with curb and gutter in each direction and sidewalk on the eastbound side of University Drive from Campus Drive to MacArthur Boulevard. The roadway alignment would not be altered and medians would typically be 14-feet wide to minimize pavement modifications at the medians and impacts to median utilities, lighting, and landscaping. Comment Period: 7/17/2014 - 8/18/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Irvine	Document screened - No further review conducted
Transportation RVC140715-06 State Route 60 Truck Lanes Project	The proposed project consists of improving safety, reduce traffic congestion, improve freeway operational problems resulting from trucks traveling uphill grades losing speed impeding traffic flow reducing the capacity of the highway to carry traffic. The project would also address the non-existence of standard shoulders at numerous locations throughout the project area. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/mnds60trucklanes.pdf Comment Period: 7/15/2014 - 7/16/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	California Department of Transportation	SCAQMD staff commented 7/16/2014

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Institutional (schools, government, etc.)</i> LAC140710-02 UCLA Football Performance Center	The proposed project consists of constructing and operating of a new four-level 75,000 square-foot Football Performance Center to accommodate football training programs for the Department of Intercollegiate Athletics. Comment Period: 7/10/2014 - 8/8/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	University of California, Los Angeles	No review conducted - No comments sent
<i>Institutional (schools, government, etc.)</i> LAC140724-12 Improvements at United States Coast Guard Base Los Angeles-Long Beach	The proposed project consists of constructing concrete floats and steel guide piles, and building a maintenance augmentation team/ cutter support facility to support the home porting of four Fast Response Cutters. Comment Period: 7/24/2014 - 8/18/2014 Public Hearing: N/A	Notice of Availability of a Draft Environmental Assessment	U.S. Coast Guard	No review conducted - No comments sent
<i>Institutional (schools, government, etc.)</i> LAC140731-01 ENV-2014-1325/ 12901 Coral Tree Place (5305-5381 S. Beethoven Street); Palms-Mar Vista-Del Rey	The proposed project consists of a changing use of an existing light industrial building to an educational use that is operated by Westside Neighborhood School, and existing K through 8th grade independent school. The proposed project includes remodeling the subject building and constructing an Early Childhood Center that will enroll a maximum of 68 students. Comment Period: 7/31/2014 - 8/20/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>Institutional (schools, government, etc.)</i> ORC140715-10 University Extension Classroom Building	The proposed project consists of constructing an approximately 46,000 assignable square-foot five-six story classroom facility on the University of California, Irvine campus. Comment Period: 7/11/2014 - 8/10/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	University of California, Irvine	Document reviewed - No comments sent
<i>Institutional (schools, government, etc.)</i> RVC140710-01 Bubbling Wells Elementary School Solar Project	The proposed project consists of constructing a solar photovoltaic system for the Bubbling Wells Elementary School. The solar PV system would consists of eight solar arrays and generate approximately 30 kilowatts of solar energy. Construction of the project would occur on a one-acre vacant lot. Comment Period: 7/9/2014 - 7/28/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	Palm Springs Unified School District	No review conducted - No comments sent
<i>Institutional (schools, government, etc.)</i> SBC140729-03 High School No. 5	The proposed project consists of the acquisition of the site, and the construction and operation of a 2,970-student high school campus. The school would include two-story classroom buildings; a physical education building that includes administration offices and a gymnasium; and a multipurpose building that includes a library, theater and kitchen. Comment Period: 7/30/2014 - 9/15/2014 Public Hearing: N/A	Draft Supplemental Environmental Impact Report	Moreno Valley Unified School District	Document under review as of 7/31/14

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Retail</i> LAC140716-05 SOLA Village	The proposed project consists of developing a mixed-use project containing approximately 2,533,000 square feet of development, including modifications to the existing 862,162 square-foot, approximately 194-foot tall REEF Building, and constructing approximately 1,664,000 square feet of new development on the remainder of the site currently occupied by surface parking lots and an 11,150 square-foot warehouse/storage/distribution building. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopsola.pdf Comment Period: 7/16/2014 - 8/15/2014 Public Hearing: 7/30/2014	Notice of Preparation	City of Los Angeles	SCAQMD staff commented 7/24/2014
<i>Retail</i> LAC140716-06 Irwindale Regional Shopping Center	The proposed project consists of developing approximately 700,000 square feet of retail and associated parking on an approximately 63.5-acre site. The project would be completed in two phases. Phase 1 of the project would develop approximately 245,000 square feet of the total project building space. Phase 2 would develop approximately 455,000 square feet of the total project space. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopirwindaleshopdoc.pdf Comment Period: 7/16/2014 - 8/13/2014 Public Hearing: N/A	Notice of Preparation	City of Irwindale	SCAQMD staff commented 7/24/2014
<i>Retail</i> RVC140708-01 Tractor Supply Co. Project (Cup No. 2014-01)	The proposed project consists of constructing a tractor supply store consisting of an 18,800 square-foot tractor supply building; two drainage basins consisting of 8,000 and 2,100 square feet; permanent outdoor display areas of 18,120 square feet; perimeter landscaping; and accompanying parking area with 91 parking spaces. Comment Period: 7/7/2014 - 8/5/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Lake Elsinore	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140701-02 ICON Sherman Oaks	The proposed project consists of developing a 359,795 square-foot mixed-use project on an approximately 8.3-acre site. The site is currently developed with a 126,674 square-foot building which would be retained, preserved and rehabilitated as part of the Project. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopiconshermanoaks.pdf Comment Period: 7/1/2014 - 7/30/2014 Public Hearing: 7/15/2014	Notice of Preparation	City of Los Angeles	SCAQMD staff commented 7/9/2014
<i>General Land Use (residential, etc.)</i> LAC140703-02 Tentative Tract Map No. 72941	The proposed project consists of subdivision for the purpose of a five-unit residential development. Comment Period: 7/8/2014 - 7/10/2014 Public Hearing: 7/10/2014	Initial Project Consultation	City of La Puente	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC140703-03 Serrano II Residential Project	The proposed project consists of redeveloping a 3.59-acre project site with 40 single-family detached residential units and other related site improvements. Comment Period: 7/7/2014 - 8/5/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Claremont	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> LAC140703-04 ENV-2014-1703/1615 N. Blue Jay Way; Hollywood	The proposed project consists of the construction of a 3,500 square-foot single family dwelling on a vacant lot with an area of 25,238 square feet. The project will require an approval of a Haul Route to permit the exporting of 4,460 cubic yards of soil. Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140703-05 ENV-2014-998/ 9280 W. Nightingale Dr.; Hollywood	The proposed project consists of demolishing an existing 6,469 square-foot 42-year old single family dwelling; and the construction of a 5,814 square-foot single family dwelling. The project requires an approval of a haul route to permit the exporting of 7,085 cubic yards of soil. Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140703-06 ENV-2014-600/ 2871 W. Sunset Pl.; Wilshire	The proposed project consists of constructing a six-story, 60-unit building on 14,779 square-foot site. The project will require the export of 10,700 cubic yards of dirt. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/dmnd2871wsunset.pdf Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	SCAQMD staff commented 7/16/2014
<i>General Land Use (residential, etc.)</i> LAC140703-07 ENV-2013-4135/ 820, 826 S. Olive St. and 817, 819, 825 S. Hill St.; Central City	The proposed project consists of a mixed-use development consisting of a high-rise residential apartment tower with associated support spaces. The project would include 589 residential units and 4,500 square feet of commercial/retail space. The project would export approximately 65,000 cubic yards of dirt. Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
General Land Use (residential, etc.) LAC140703-08 ENV-2013-4126/ 1200, 1212, 1218, 1224, 1226 S. Flower St., 514, 518, 522 W. 12th St., 1201, 1215 S. Hope St.; Central City	The proposed project consists of two high-rise apartments. Building one will be a 40-story residential tower and Building two will be a 31-story residential tower. The project would include 730 residential units and 7,873 square feet of ground floor commercial/retail space. The project would export approximately 89,500 cubic yards of dirt. Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
General Land Use (residential, etc.) LAC140703-09 ENV-2014-936/ 20424 & 20432 W. Stagg Street; Canoga Park-Winnetka-Woodland Hills-West Hills	The proposed project consists of demolishing existing single-family residences, associated structures and removal of nine trees, for the use and construction of six two-story 27-foot two-inch tall single-family residential dwellings on individual small lots. Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
General Land Use (residential, etc.) LAC140703-10 ENV-2014-880/ 5131 N. Cartwright Avenue; North Hollywood-Valley Village	The proposed project consists of demolishing existing single-family residence for the use and construction of eight three-story single-family residential dwellings. Comment Period: 7/3/2014 - 7/23/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
General Land Use (residential, etc.) LAC140710-03 Project #0664-DRX-HDP	The proposed project consists of constructing a new 1,800 square-foot single family home on a 5,430 square-foot undeveloped lot. The proposed home includes a two-car garage. The project would involve approximately 500 cubic yards of grading. Comment Period: N/A Public Hearing: N/A	Draft Negative Declaration	City of South Pasadena	No review conducted - No comments sent
General Land Use (residential, etc.) LAC140710-06 ENV-2014-2093/ 6530 1/2 N. Sepulveda Blvd.: Van Nuys-North Sherman Oaks	The proposed project consists of a request for the development of a new 68-unit residential apartment building on an approximately 28,150 square-foot site. Comment Period: 7/10/2014 - 7/30/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted

- Project has potential environmental justice concerns due to the nature and/or location of the project.
 Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC140710-07 ENV-2014-1087/ 672 E. Brooks Avenue; Venice	The proposed project consists of a small lot subdivided into two lots. The existing single family dwelling and guest house will be demolished to accommodate the proposed hybrid style single- family dwelling that will be constructed. Comment Period: 7/10/2014 - 8/11/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140710-08 ENV-2014-338/ 1540-1550 N. Casale Rd.; Brentwood-Pacific Palisades	The proposed project consists of constructing a 4,639 square-foot and a 5,723 square-foot residence on separate lots. Comment Period: 7/10/2014 - 7/30/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140710-09 ENV-2013-3689/ 905 S. Ardmore Ave.; Wilshire	The proposed project consists of constructing a 12-unit residential building that includes one unit for very low income households. The project includes demolishing an existing 2,714 square-foot single-family dwelling and requires the export of 3,000 cubic yards of dirt. Comment Period: 7/10/2014 - 7/30/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140710-10 ENV-2013-3463/14321 W. Tupper St.; Mission Hills-Panorama City-North Hills	The proposed project consists of an expansion of an existing religious facility by demolishing the 2,450 total square-foot temporary structures and the construction of a new two-story, 16,500 square-foot religious building. Comment Period: 7/10/2014 - 8/11/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140710-11 ENV-2013-3320/ 11850-1247, 1247 1/2 W. Sunset Blvd. and 917 N. Everett Street; and 959-965 1/2 N. Everett Street; Silver Lake-Echo Park-Elysian Valley	The proposed project consists of two separate buildings containing a total of two buildings with 214 residential units, and 8,406 square feet of retail, a total of 296,300 parking spaces, and 243 bicycle parking spaces. The project would include a haul route approval for the export of approximately 32,401 cubic yards of dirt. Comment Period: 7/10/2014 - 7/30/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project. Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC140710-12 ENV-2014-1340/ 321 W. Serrano Avenue; Wilshire	The proposed project consists of demolition of an existing single-family dwelling and subdivision of a lot into six smaller lots for the purpose of developing six single-family dwellings. Currently the amount of grading to be done is not known and no haul route has been requested. Comment Period: 7/10/2014 - 7/30/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140710-13 ENV-2014-1466/ 847-853 North Mervin Street; 850-856 North Coronado Street; Silverlake - Echo Park - Elysian Valley	The proposed project consists of a Tentative Tract Map to permit the construction of 11 single-family dwellings on a 15,164 net square-foot site. Comment Period: 7/10/2014 - 7/30/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140710-14 ENV-2014-1762/ 225 S. Lincoln Blvd; Venice	The proposed project consists of installing a 14-foot high sound wall along a portion of the westerly property line, enclosing a 1,719 square-foot existing loading dock, installing a new 72 square-foot canopy over a rear landing, legalizing one existing 8' x 40' cargo container for storage, and new temporary and permanent loading hours. The site is approximately 235,677 square feet and maintains a commercial shopping center. Comment Period: 7/10/2014 - 8/11/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140711-01 Tentative Parcel Map No. 72728, and Variance No. 14-01	The proposed project consists of approximately 0.37 acres and will subdivide an existing parcel into two separate parcels. Parcel 1 would total 8,141 square feet and Parcel 2 would total 8,108 square feet. The project includes demolishing a canopy, pool and deck, two structures and a concrete slab and the construction of two single-family residences on two parcels. Each residence will consist of a single-story and have a gross floor area of 2,136 square feet. Comment Period: 7/23/2014 - 8/12/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of West Covina	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140711-02 Flair Spectrum El Monte Project and Specific Plan	The proposed project consists of a mixed-use development which consists of 500,000 square feet of retail and 50,000 square feet of restaurant for an outlet mall, a 220-room hotel, and 600 residential units on a 14.66-acre project site. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopflair.pdf Comment Period: 7/11/2014 - 8/11/2014 Public Hearing: N/A	Notice of Preparation	City of El Monte	SCAQMD staff commented 7/10/2014

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
General Land Use (residential, etc.) LAC140717-05 ENV-2014-1081/ 4605 N. Kester Ave; Sherman Oaks-Studio City-Toluca Lake- Cahuenga Pass	The proposed project consists of subdividing a 0.158 are property into four lots as a Small Lot Subdivision and constructing four single-family homes. Comment Period: 7/17/2014 - 8/6/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
General Land Use (residential, etc.) LAC140717-06 ENV-2014-1357/ 416-22 E. Grand Blvd.; Venice	The proposed project consists of constructing two single-family dwellings. The project requires a Coastal Development Permit to permit the construction of two single-family dwellings. Comment Period: 7/17/2014 - 8/18/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
General Land Use (residential, etc.) LAC140717-07 ENV-2014-902/ 5044 N. Backman Ave.; North Hollywood-Valley Village	The proposed project consists of construction of a multiple residential building with 45 dwelling units on a 22,500 square-foot lot. Comment Period: 7/17/2014 - 8/6/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document reviewed - No comments sent
General Land Use (residential, etc.) LAC140722-02 Broad Beach Restoration Project	This document consists of a notice of public review of a preliminary analysis. The proposed project consists of addressing geologic hazards associated with storms, flooding, beach and dune erosions, and anticipated sea-level rise. The project would include high quality beach material to replenish Broad Beach (in city of Malibu) with "dry" sand between the dune system and the shoreline; burying the existing emergency revetment in the landward edge of the widened, nourished beach, and place imported beach-quality material over the existing revetment to create a restored dune; sand sources for the development of the beach and dune that will be trucked in from inland commercial quarries; building a reservoir sand and restoration dune habitat with native plant species; and widening the beach to provide enhanced public access and recreational opportunities along Broad Beach.	Other	California State Lands Commission	Document under review as of 7/31/14

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC140724-09 ENV-2013-3845/ 705 S. Gayley Ave.; Westwood	The proposed project consists of demolishing a three-story, 12-unit multi-family building and constructing a new six-story, 12-unit building over two levels of subterranean parking. Approximately 7,500 cubic yards of dirt will exported from the site. Comment Period: 7/24/2014 - 8/25/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140725-03 57 Wheeler Avenue Mixed-Use Project at 57 Wheeler Avenue, Arcadia, CA	The proposed project consists of a subdivision of a 1.88 acre site into two lots, demolishing an existing vacant restaurant at 57 Wheeler Avenue, and a Conditional Use Permit and Architectural Design Review of a proposed four-story Mixed Use Project that consists of three stories of residential units over 16,175 square feet of ground floor commercial uses, and one level of underground parking. The project also includes a 2,730 square-foot public outdoor plaza. Comment Period: 7/24/2014 - 8/13/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Arcadia	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140729-10 Studio City Senior Living Center	The proposed project consists of constructing a new 200-condominium unit senior housing development with an associated subterranean parking. The existing 16 tennis courts and tennis uses on the site would be removed to accommodate the Project. Comment Period: 7/31/2014 - 9/15/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Los Angeles	Document under review as of 7/31/14
<i>General Land Use (residential, etc.)</i> LAC140730-01 515 W. Broadway Mixed-Use Project	The proposed project consists of developing a mixed-use building that would consists of 176 apartment units, four live-work units, and 18,200 square feet of ground-floor commercial space in a five-story building. Comment Period: 7/30/2014 - 8/29/2014 Public Hearing: N/A	Notice of Preparation	City of Glendale	Document under review as of 7/31/14
<i>General Land Use (residential, etc.)</i> LAC140731-02 ENV-2012-3543/ 4741 N. Burgundy Rd.; Canoga Park-Winnetka-Woodland Hills-West Hills	The proposed project consists of the construction, use and maintenance of a 4,720 square-foot, two-story single-family dwelling. Comment Period: 7/31/2014 - 8/20/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> LAC140731-03 ENV-2014/1637/ 818 North Formosa Avenue; Hollywood	The proposed project consists of a permit to constructing four single-family dwellings on a 6,600 net square-foot site. Comment Period: 7/31/2014 - 8/20/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted

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**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> ORC140701-01 Lakeview Apartments	The proposed project consists of the development of 159 apartment units; 129 market-rate units and 30 affordable units on a 4.98-acre site. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/noplakeview.pdf Comment Period: 6/30/2014 - 7/29/2014 Public Hearing: N/A	Notice of Preparation	City of Yorba Linda	SCAQMD staff commented 7/9/2014
<i>General Land Use (residential, etc.)</i> ORC140715-11 General Plan Amendment 2014-001, Zone Change 2014-001, Conditional Use Permit 2014-11, and Design Review 2014-01	The proposed project consists of a four-story 192 unit apartment complex with a six-level parking structure and 10,000 square feet of retail uses on a 3.33-acre site. Comment Period: 7/15/2014 - 8/25/2014 Public Hearing: N/A	Initial Project Consultation	City of Tustin	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> ORC140729-06 34202 Del Obispo Street Project	The proposed project consists of developing a mixed-use residential/commercial community comprised of 168 condominium units, 2,471 square feet of commercial uses, and approximately 0.5 acres of public parkland. Comment Period: 7/29/2014 - 9/12/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Dana Point	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> ORC140729-09 Tentative Tract Map 17717	The proposed project consists of subdividing an existing 2.25 gross acres parcel for condominium purposes. The condominium subdivision proposes to develop twenty-seven single-family detached residences. All existing residences and structures at the subject property are proposed to be demolished. Comment Period: 7/29/2014 - 8/8/2014 Public Hearing: N/A	Initial Project Consultation	City of Tustin	No review conducted - No comments sent
<i>General Land Use (residential, etc.)</i> RVC140715-04 Elm Street Tentative Tract Map	The proposed project consists of a subdivision of approximately 4.16 acres into 12 single-family residential lots for future single family residential development. Comment Period: 7/9/2014 - 8/7/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Wildomar	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> RVC140724-11 ENV-2014-1485/5015 and 5025 E. La Calandria Dr.; Northeast Los Angeles	The proposed project consists of a Zoning Administrator's determination to forgo roadway widening on La Calandria Drive and Kimball Street from the property to the edge of the hillside boundary, in conjunction with the construction, use, and maintenance of two new single-family dwellings. Comment Period: 7/24/2014 - 8/13/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	Document screened - No further review conducted

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Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> RVC140729-07 Tentative Tract Map No. 32164 and Environmental Initial Study No. 14-01	The proposed project consists of subdividing 37.68 acres of vacant land into 176 single-family lots with public streets, a 1.1-acre park site, retention basin lots, and perimeter landscaping. Comment Period: 7/22/2014 - 8/21/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Coachella	Document screened - No further review conducted
<i>General Land Use (residential, etc.)</i> SBC140710-04 Tentative Tract Map SUBTT18912, Development Review DRC2013-01083, and Zoning Map Amendment DRC2013- 00887, and Development Code Amendment DRC2014-00626	The proposed project consists of a subdivision of a property of 7.16 acres into 45 lots and construction of 45 single-family residences. Comment Period: 7/10/2014 - 8/13/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Rancho Cucamonga	Document reviewed - No comments sent
<i>General Land Use (residential, etc.)</i> SBC140729-08 Revision #1 - Existing Approved Tentative Tract Map 29267	The proposed project consists of a proposal for the land division of 274 residential and open-space lots ranging from 6,000 square feet to 10.70 acres totaling 82.84 acres. Comment Period: 7/29/2014 - 8/7/2014 Public Hearing: N/A	Other	City of Beaumont	No review conducted - No comments sent
<i>Plans and Regulations</i> LAC140701-05 Los Angeles County General Plan Update	The proposed project consists of an update to the Los Angeles County General Plan. The project includes goals, policies, implementation programs and ordinances. The project covers the unincorporated areas and accommodates new housing and employment opportunities in anticipation of population growth. Comment Period: 6/23/2014 - 8/7/2014 Public Hearing: N/A	Draft Environmental Impact Report	County of Los Angeles	Document reviewed - No comments sent
<i>Plans and Regulations</i> LAC140703-01 2400 South Fremont Specific Plan	The proposed project consists of demolishing all existing on-site improvements and the implementation of a Specific Plan for a 70-unit residential development on 8.8 acres. Comment Period: 7/2/2014 - 7/21/2014 Public Hearing: N/A	Draft Mitigated Negative Declaration	City of Alhambra	Document screened - No further review conducted

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Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

SCAQMD LOG-IN NUMBER PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<p><i>Plans and Regulations</i></p> <p>LAC140715-09 EA 905, General Plan and General Plan Map Amendment No. GPA 11-01, Specific Plan No. SP 11-01, Development Agreement No. DA 11-02, Zone Change No. ZC 11-02, Zone Text Amendment No. ZTA 11-01, and Subdivision No. SUB 11-02 (Tentative Map No. 71551)</p>	<p>The proposed project consists of entitlement requests for Specific Plan No. SP 11-01 establishing a maximum allowable development within the Specific Plan area boundaries of 4,231,547 gross square feet, or an additional 2,142,457 gross square feet over existing conditions. Proposed use within the Specific Plan include office, warehousing, light industrial, and commercial (retail/restaurant) uses. The project also includes an Environmental Assessment, General Plan and General Plan Amendments, Zone Change, Development Agreements and subdivision of a property into 26 separate parcels in three phases.</p> <p align="center">Comment Period: 7/14/2014 - 8/27/2014 Public Hearing: N/A</p>	Draft Environmental Impact Report	City of El Segundo	Document reviewed - No comments sent
<p><i>Plans and Regulations</i></p> <p>RVC140715-03 Gateway Center Specific Plan Amendment No. 1 to Specific Plan No. 250 and Change of Zone No. 07815</p>	<p>The proposed project consists of revisions to the Specific Plan land use plan to reconfigure planning area boundaries; incorporate a proposed Metrolink station; provide for substantial increase in the number of residential dwelling units allowed on-site in order to help create a demand for Metrolink ridership within the plan; adjust the range of residential densities included within the plan; reduce the amount of land area devoted to commercial land uses; and eliminate the planned commercial/office, business park, church/school, and public facility land uses.</p> <p align="center">http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/nopgatewaysp.pdf</p> <p align="center">Comment Period: 7/15/2014 - 8/25/2014 Public Hearing: N/A</p>	Notice of Preparation	County of Riverside	SCAQMD staff commented 7/24/2014
<p><i>Plans and Regulations</i></p> <p>RVC140716-01 SP No. 293, CZ No. 7773, TTM No. 36417</p>	<p>The proposed project consists of subdividing 51.43 acres into 228 residential lots and six open space lots.</p> <p align="center">Comment Period: N/A Public Hearing: 8/5/2014</p>	Notice of a Public Hearing	County of Riverside	Document screened - No further review conducted
<p><i>Plans and Regulations</i></p> <p>RVC140718-01 City of Wildomar General Plan Update</p>	<p>This document consists of a General Plan. The proposed project consists of General Plan update. The update is geography specific and will focus entirely on the City of Wildomar; Supports Wildomar's visions, ensuring that the Plan reflects and incorporates the results of the City's visioning efforts; benefits of sustainability policies that encourage good design and help meet the City's sustainability goals; and is proactive, providing a clear set of Wildomar-specific goals and policies that will support existing ordinances and future plans for the community.</p> <p align="center">Comment Period: N/A Public Hearing: N/A</p>	Other	City of Wildomar	No review conducted - No comments sent

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT A-2
INCOMING CEQA DOCUMENTS LOG
JULY 1, 2014 TO JULY 31, 2014**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Plans and Regulations</i> RVC140725-01 General Plan Amendment No. 1127, Change of Zone No. 7844, and Tentative Tract Map No. 36730	The proposed project consists of subdividing a 103.62 acre site into 271 residential lots, four water quality detention basins, one park site, one sewage lift station, and 23 open space lots. Comment Period: 7/25/2014 - 8/14/2014 Public Hearing: N/A	Initial Project Consultation	County of Riverside	Document screened - No further review conducted
<i>Plans and Regulations</i> SBC140729-02 City of Chino Hills 2014 General Plan Update	The proposed project consists of a General Plan Update that covers six elements: Land Use, Circulation, Conservation, Safety, Noise, and Economic Development. Comment Period: 7/23/2014 - 9/9/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Chino Hills	Document reviewed - No comments sent
TOTAL DOCUMENTS RECEIVED AND REVIEWED THIS REPORTING PERIOD: 102				

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

ATTACHMENT B-2*
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Warehouse & Distribution Centers</i> RVC140604-03 Integra Perris Distribution Center	This document consists of a notice of Health Risk Analysis. The proposed project consists of the construction and operation of up to 864,000 square feet of industrial warehouse/distribution uses on the approximately 43.2-acre site. One industrial building is proposed. The building would accommodate a high-cube warehouse/distribution center or an electronic commerce/fulfillment center, depending on the market demand. Comment Period: N/A Public Hearing: N/A	Other	City of Perris	Document under review as of 7/31/14
<i>Warehouse & Distribution Centers</i> SBC140626-11 PA13-0037 First Nandina	The proposed project consists of a warehouse building designed to cover a total surface area of 1,383,210 square feet and offer 1,450,000 square feet of interior floor space consists of 10,000 square feet of office space, 66,790 square feet of mezzanine space, 2,000 square feet of shipping/receiving office space, and a 1,371,210 square-foot warehouse. Comment Period: 6/26/2014 - 8/12/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Moreno Valley	Document under review as of 7/31/14
<i>General Land Use (residential, etc.)</i> LAC140620-03 101 W. Walnut Site (Parsons Site)	The proposed project consists of mixed-use development that seeks to transform the Project Site from a single-function office complex with over 900,000 square feet, which features the 12-story Parsons Corporate tower, to a mixed-use office campus and residential community. Comment Period: 6/20/2014 - 8/29/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Pasadena	Document under review as of 7/31/14
<i>Plans and Regulations</i> LAC140214-02 City of Los Angeles Mobility Plan 2035	The proposed project is a comprehensive revision of the adopted 1999 City of Los Angeles Transportation Element of the General Plan that will guide mobility decisions in the City through year 2035. The proposed Mobility Plan 2035 includes: (1) Policies - that support the goals and objectives; (2) an Enhanced Complete Street System - that prioritizes selected roadways for pedestrian, bicycle, transit, or vehicle enhancements; (3) an Action Plan - That prioritizes actions necessary for implementing the policies and programs; (4) a Complete Street Manual - that describes and identifies implementation procedures for the City's expanded Street Standards and Guidelines; and (5) a Bicycle Plan - incorporated into this plan since the previous 2010 Bicycle Plan was adopted in 2011. Comment Period: 2/13/2014 - 5/13/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Los Angeles	Document under review as of 7/31/14
<i>Airports</i> LAC140521-04 LAX Northside Plan Update	The proposed project consists of the LAX Northside Plan Update. The project would set forth new regulations for future development occurring within the Northside area of the LAX Specific Plan. The proposed Project is intended to create a vibrant, sustainable center of employment, retail, restaurant, office, hotel, research and development, education, civic, airport support, recreation, and buffer uses that support the needs to surrounding communities and Los Angeles World Airports. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/deirlaxnorth.pdf Comment Period: 5/31/2014 - 7/28/2014 Public Hearing: N/A	Notice of Availability of a Draft Environmental Impact Report	Los Angeles World Airports	SCAQMD staff commented 7/25/2014

- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

ATTACHMENT B-2
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>Waste and Water-related</i> LAC140603-02 Civic Center Wastewater Treatment Facility Project	The proposed project consists of developing the project in response to the prohibition of on-site wastewater disposal system in the Civic Center area of the City of Malibu imposed by the State Water Resources Control Board and Los Angeles Regional Water Quality Control Board. The project would construct a new centralized wastewater treatment facility that would treat the wastewater flows from properties in the Prohibition Zone that will no longer be served by on-site wastewater treatment systems. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/deirciviccenter.pdf Comment Period: 5/30/2014 - 7/28/2014 Public Hearing: 7/21/2014	Notice of Availability of a Draft Environmental Impact Report	City of Malibu	SCAQMD staff commented 7/23/2014
<i>Waste and Water-related</i> LAC140610-01 San Jose Creek Water Reclamation Plant East Processing Optimization Facilities Plan	The proposed project consists of a Facility Plan to identify a project that meets the objectives in a cost-effective and environmentally sound manner. The objectives of this Facility Plan are: reliably to meet Title 22 disinfection requirements for unrestricted use at permitted capacity; increase volume and availability of recycled water for reuse; and minimize formation of disinfection byproducts at permitted capacity. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/dmndsanjosecreekwaterreclamationplant.pdf Comment Period: 6/10/2014 - 7/11/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	County Sanitation Districts of Los Angeles	SCAQMD staff commented 7/11/2014
<i>Waste and Water-related</i> SBC140613-02 Southwest Metal Company	This document consists of a community survey assessing interest in a Draft Remedy Selection Document and Removal Action Workplan for Southwest Metal Company. The site is located at a former battery breaking and secondary lead smelter facility that was in operation from approximately 1975 to 1983 and is currently vacant and inactive. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/rapsouthwestdtsc.pdf Comment Period: 6/13/2014 - 6/25/2014 Public Hearing: N/A	Other	Department of Toxic Substances Control	SCAQMD staff commented 7/31/2014
<i>Utilities</i> RVC140626-12 Pellissier Ranch Solar Photovoltaic Project	The proposed project consists of constructing and operating a solar facility on a portion of a vacant 227-acre site. The project would construct an up to 10 megawatt photovoltaic generation facility on approximately 100 acres, within the total proposed area of 227 acres. The remainder of the site would remain undeveloped. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/noppellissier.pdf Comment Period: 6/26/2014 - 7/26/2014 Public Hearing: N/A	Notice of Preparation	City of Riverside	SCAQMD staff commented 7/8/2014
<i>Institutional (schools, government, etc.)</i> SBC140613-04 Indian Springs High School Athletic Facilities Improvements	The proposed project consists of developing and operating a 3,500-seat grandstand, competition-level field lights, a PA system, and a concession/restroom building at the track and field, as well as an aquatic center with competition-lighting and a 12-lane swimming pool. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/deirindianspringhs.pdf Comment Period: 6/13/2014 - 7/29/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of San Bernardino	SCAQMD staff commented 7/29/2014

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Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

**ATTACHMENT B-2
ONGOING ACTIVE PROJECTS FOR WHICH SCAQMD HAS
OR IS CONTINUING TO CONDUCT A CEQA REVIEW**

<u>SCAQMD LOG-IN NUMBER</u> PROJECT TITLE	PROJECT DESCRIPTION	TYPE OF DOC.	LEAD AGENCY	COMMENT STATUS
<i>General Land Use (residential, etc.)</i> LAC140626-04 ENV-2014-1664/ 8435 N. Orion Ave.; Mission Hills-Panorama City-North Hills	The proposed project consists of developing a new 24-unit residential apartment building on an approximately 16,425 square-foot site. The project will require the exportation of 6,700 cubic yards of dirt. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/mndorion.pdf Comment Period: 6/26/2014 - 7/28/2014 Public Hearing: N/A	Notice of Availability of a Draft Mitigated Negative Declaration	City of Los Angeles	SCAQMD staff commented 7/10/2014
<i>Plans and Regulations</i> RVC140522-03 Colinas del Oro	The proposed project consists of a mixed use development on the Colinas del Oro, an approximate 126.4-acre site located within the community of Meadowbrook, an unincorporated area in western Riverside County. As presently proposed, the Project proponent is preparing a draft specific plan (Colinas del Oro Specific Plan No. 364), that would allow conversion of this property to a mixed-use development with residential, commercial, park, and open space uses. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/deircolinasdelorospecificplanno-364project.pdf Comment Period: 5/22/2014 - 7/3/2014 Public Hearing: N/A	Draft Environmental Impact Report	County of Riverside	SCAQMD staff commented 7/3/2014
<i>Plans and Regulations</i> SBC140523-02 Colton Hub City Center Specific Plan	The proposed project consists of allowing new development projects in the Colton Hub City Center Specific Plan (CHCCSP) area which consists of 373 acres of larger West Subarea of the West Valley Specific Plan. The CHCCSP divides the project area into planning areas with land use designations of Residential, Retail, Retail Mixed-Use, Office Mixed Use, Business Park, Open Space Conservation, Neighborhood Park, and Roads. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/deircoltonhub.pdf Comment Period: 5/27/2014 - 7/10/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Colton	SCAQMD staff commented 7/9/2014
<i>Plans and Regulations</i> SBC140613-05 Falloncrest at the Preserve Master Plan Project	The proposed project consists of a mix of commercial, residential, and open space uses on approximately 125 acres. http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2014/july/deirfallconcrest.pdf Comment Period: 6/14/2014 - 7/29/2014 Public Hearing: N/A	Draft Environmental Impact Report	City of Chino	SCAQMD staff commented 7/29/2014

<p>TOTAL NUMBER OF REQUESTS TO SCAQMD FOR DOCUMENT REVIEW THIS REPORTING PERIOD: 102</p> <p>TOTAL NUMBER OF COMMENT LETTERS SENT OUT THIS REPORTING PERIOD: 28</p> <p>TOTAL NUMBER OF DOCUMENTS REVIEWED, BUT NO COMMENTS WERE SENT: 14</p> <p>TOTAL NUMBER OF DOCUMENTS CURRENTLY UNDER REVIEW: 14</p> <p>TOTAL NUMBER OF DOCUMENTS THAT DID NOT REQUIRE COMMENTS: 2</p> <p>TOTAL NUMBER OF DOCUMENTS THAT WERE NOT REVIEWED: 12</p> <p>TOTAL NUMBER OF DOCUMENTS THAT WERE SCREENED WITHOUT ADDITIONAL REVIEW: 51</p>
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- Project has potential environmental justice concerns due to the nature and/or location of the project.
Comment letters can be accessed at: <http://www.aqmd.gov/home/regulations/ceqa/commenting-agency>

ATTACHMENT C-2
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH July 31, 2014

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Operators of the Ultramar Wilmington Refinery are proposing to construct and install a 49 MW cogeneration unit to reduce the refinery's reliance on electricity from the Los Angeles Department of Water and Power and produce steam to meet internal needs. No other refinery modifications are proposed.	Ultramar Wilmington Refinery	Negative Declaration	Staff revised responses to the 3 comment letters received on Draft ND and consultant is providing edited responses and finalizing the Draft ND. Responding to CEQA comments made on permit notice comment letter.	Environmental Audit, Inc.
The Phillips 66 (formerly ConocoPhillips) Los Angeles Refinery Ultra Low Sulfur Diesel project was originally proposed to comply with federal state and SCAQMD requirements to limit the sulfur content of diesel fuels. Litigation against the CEQA document was filed. Ultimately, the California Supreme Court concluded that the SCAQMD had used an inappropriate baseline and directed the SCAQMD to prepare an EIR, even though the project has been built and has been in operation since 2006. The purpose of this CEQA document is to comply with the Supreme Court's direction to prepare an EIR.	Phillips 66 (formerly ConocoPhillips), Los Angeles Refinery	Environmental Impact Report	The Notice of Preparation was circulated for a 30-day public comment period on March 26, 2012. The comment period ended on April 26, 2012. The consultant submitted the administrative Draft EIR to SCAQMD in late July 2013. SCAQMD reviewed the Draft EIR and the consultant is revising the document.	Environmental Audit, Inc.
The Phillips 66 Los Angeles Refinery operators are proposing to install one new 615,000-barrel crude oil storage tank with a geodesic dome to accommodate larger marine vessels delivering crude oil. The proposed project also includes increasing the throughput (i.e., frequency of filling and emptying tank) on two existing tanks and adding geodesic domes to these tanks, installing one new 14,000-barrel water draw surge tank and installing one new electrical power substation.	Phillips 66 Los Angeles Refinery Carson Plant	Negative Declaration	The Draft ND was released for a 30-day public review and comment period beginning on September 10, 2013 and ending on October 9, 2013. Three comment letters were received. SCAQMD reviewed the responses to the comment letters and the consultant is making edits to the responses and finalizing the Draft ND.	Environmental Audit, Inc.
The Tesoro Refining and Marketing Los Angeles Refinery operators are proposing to replace two existing tanks with two new larger tanks and to connect one existing tank to an existing vapor recovery system. The proposed project also includes replacing an on-site 12-inch pipe with a new 48-inch diameter pipe to connect to an existing pipeline to the marine terminal.	Tesoro Refining and Marketing Company Los Angeles Refinery	Negative Declaration	The Notice of Intent of a Draft ND was circulated for a 30-day public comment period from April 25, 2014 to May 27, 2014. The comment period was extended to June 10, 2014. 29 comment letters were received and are being reviewed. The following Draft ND was withdrawn in order for this project to be analyzed in a new CEQA document that also addresses the upcoming Tesoro-BP Refinery Integration Project.	Environmental Audit, Inc.

A shaded row indicates a new project.

#=SCAQMD was contacted regarding potential environmental justice concerns due to the natural and/or location of the project.

ATTACHMENT C-2
ACTIVE SCAQMD LEAD AGENCY PROJECTS
THROUGH July 31, 2014

PROJECT DESCRIPTION	PROPONENT	TYPE OF DOCUMENT	STATUS	CONSULTANT
Warren E & P, Inc. is proposing a modification to a Subsequent MND that was certified by the SCAQMD on July 19, 2011. Warren has submitted a Supplemental ND detailing a gas sales project designed to replace the gas re-injection portion of the 2011 project.	Warren E & P, Inc.	Supplemental Negative Declaration	SCAQMD staff has reviewed and revised the Draft Supplemental ND. The Draft Supplemental ND was released for public review and comment on April 25 until May 27, 2014. The comment period was extended to June 10, 2014. One comment letter was received. Staff edited responses to comments and consultant is preparing Final SND.	Environ
Operators of the KinderMorgan Lomita Terminal are proposing to deliver crude oil by expanding their rail facility.	KinderMorgan Lomita Terminal	To Be Determined	The consultants are preparing emission estimates to determine the type of CEQA document to be prepared.	SABS Consulting and TRC
Operators of the Petro Diamond Marine Terminal are proposing to increase the number of ship calls delivering ethanol.	Petro Diamond	To Be Determined	The consultant has prepared Draft Negative Declaration. SCAQMD staff is currently reviewing the Draft Negative Declaration to determine if it is the appropriate type of CEQA document for the project.	SABS Consulting
Quemetco is proposing an increase in daily furnace feed rate.	Quemetco	To Be Determined	Initial Study under review by SCAQMD staff.	Trinity Consultants
Chevron is proposing modifications to its Product Reliability and Optimization (PRO) Project and has applied for a change of permit conditions to reduce NOx emissions and fired duty operating conditions of the Tail Gas Unit.	Chevron	Addendum	Under staff review and edits provided to the consultant.	Environmental Audit, Inc.

A shaded row indicates a new project.

#=SCAQMD was contacted regarding potential environmental justice concerns due to the natural and/or location of the project.

[↑ Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 18

REPORT: Rule and Control Measure Forecast

SYNOPSIS: This report highlights SCAQMD rulemaking activity and Public Workshops potentially scheduled for the year 2014 and a portion of 2015.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Barry R. Wallerstein, D.Env.
Executive Officer

EC:PF:cg

415	Odors from Rendering and Inedible Kitchen Grease Processing Facilities
Proposed Rule 415 is moved from October to March of 2015 to allow additional time to continue the rule development evaluation.	
Reg. IX X	Standards of Performance for New Stationary Sources National Emission Standards for Hazardous Air Pollutants
Regulations IX and X are moved from October to December to allow for additional staff evaluation.	
1111.1	NOx Reductions from Commercial Space Heating (CMB-03)
Proposed Rule 1111.1 is moved from December to TBD to allow additional time for staff analysis.	
1161	VOC Reductions from Mold Release Agents (CTS-03)
Proposed Rule 1161 is moved from October to December to allow additional time for staff analysis.	
Reg. XX	Regional Clean Air Incentives Market (RECLAIM) (CMB-01)
Regulation XX is moved from September to February of 2015 to allow additional time to continue the rule development evaluation.	

2014 MASTER CALENDAR (continued)

Below is a list of all rulemaking activity scheduled for the year 2014. The last four columns refer to the type of rule adoption or amendment. A more detailed description of the proposed rule adoption or amendment is located in the Attachments (A through D) under the type of rule adoption or amendment (i.e. AQMP, Toxics, Other and Climate Change).

**An asterisk indicates that the rulemaking is a potentially significant hearing.*

+This proposed rule will reduce criteria air contaminants and assist toward attainment of ambient air quality standards.

¹Subject to Board approval

California Environmental Quality Act shall be referred to as "CEQA."

Socioeconomic Analysis shall be referred to as "Socio."

2014

October		AQMP	Toxics	Other	Climate Change
1153.1	Emissions of Oxides of Nitrogen from Commercial Food Ovens			√	
November					
1188	VOC Reductions from Vacuum Trucks (FUG-01)	√			
1401	New Source Review of Toxic Air Contaminants		√		
1402	Control of Toxic Air Contaminants from Existing Sources				
1420	Emissions Standard for Lead		√		
1420.2	Emissions Standard for Lead from Medium Sources		√		
2305*	Indirect Sources		√	√	
4001	Backstop to Ensure AQMP Emission Reduction Targets Are Met at Commercial Marine Ports (IND-01)	√			
December					
Reg. IX ¹	Standards of Performance for New Stationary Sources			√	
X ¹	National Emission Standards for Hazardous Air Pollutants				

2014 MASTER CALENDAR (continued)

2014

December	(continued)	AQMP	Toxics	Other	Climate Change
1123	Refinery Process Turnarounds (MCS-03)	√			
1161 ¹	VOC Reductions from Mold Release Agents (CTS-03)	√			
1325	Federal PM 2.5 New Source Review Program			√	
1430	Control of Toxic Air Contaminants from Metal Forging, Shredding, Grinding and Other Metal Processing Operations		√		
1450	Control of Methylene Chloride Emissions		√		
2301	Control of Emissions from New or Redevelopment Projects (EGM-01)	√			

2014 TO-BE DETERMINED

TBD		AQMP	Toxics	Other	Climate Change
219	Equipment Not Requiring a Written Permit Pursuant to Regulation II			√	
222.1	Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation I			√	
1107	Coating of Metal Parts and Products			√	
1113	Architectural Coatings			√	
1111.1 ¹	NOx Reductions from Commercial Space Heating (CMB-03)	√			
1118	Control of Emissions from Refinery Flares			√	√

2014 MASTER CALENDAR (continued)

2014 TO-BE DETERMINED

TBD	(continued)	AQMP	Toxics	Other	Climate Change
1124	Aerospace Assembly and Component Manufacturing Operations (CTS-02)	√		√	
1162	Polyester Resin Operations (CTS-02)	√		√	
1171	Solvent Cleaning Operations (CTS-02)	√		√	
1147	NOx Reductions from Miscellaneous Sources			√	
1148.1	Oil and Gas Production Wells			√	
1168	Adhesive and Sealant Applications (CTS-02)	√			
1177	Liquefied Petroleum Gas Transfer and Dispensing			√	
1190 Series	Fleet Vehicle Requirements			√	
1304.2	Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets			√	
Reg. XIII	New Source Review			√	
1420.1	Emission Standard for Lead from Large Lead-Acid Battery Recycling Facilities		√		
1902	Transportation Conformity - Preamble			√	
2511	Credit Generation Program for Locomotive Head End Power Unit Engines			√	
2512	Credit Generation Program for Ocean-Going Vessels at Berth			√	
Reg. XXVII	Climate Change				√
4010 ^{*+}	General Provisions and Requirements for Ports of Los Angeles and Long Beach (IND-01)	√	√		
4020 ^{*+}	Backstop Requirements for Ports of Los Angeles and Long Beach (IND-01)	√	√		

2014 MASTER CALENDAR (continued)

2014 TO-BE DETERMINED

TBD	(continued)	AQMP	Toxics	Other	Climate Change
Reg. IV, IX, X, XI, XIV, XX and XXX Rules	Rule amendments may be needed to meet the requirements of state and federal laws, to address variance issues/technology-forcing limits, to abate a substantial endangerment to public health or welfare, or to seek additional reductions to meet the SIP short-term measure commitments. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules listed in Table 1 of the December 6, 2013 Rule and Control Measure Forecast and new or amended rules to implement the 2012 AQMP measures in Table 2 of the December 6, 2013 Rule and Control Measure Forecast. The Clean Communities Plan (CCP) has been updated to include new measures to address toxic emissions in the basin. The CCP measures will reduce exposure to air toxics from stationary, mobile, and area sources (Table 3 of the December 6, 2013 Rule and Control Measure Forecast). Rule amendments also include updates to provide consistency with CARB Statewide Airborne Toxic Control Measures (ATCMs).	√	√	√	√

2015

February		AQMP	Toxics	Other	Climate Change
Reg. XX ¹	Regional Clean Air Incentives Market (RECLAIM) (CMB-01)	√			
March					
415 ¹	Odors from Rendering and Inedible Kitchen Grease Processing Facilities			√	

ATTACHMENT A

AQMP Rule Activity Schedule

This attachment lists those control measures that are being developed into rules or rule amendments for Governing Board consideration that are designed to implement the amendments to the 2012 Air Quality Management Plan.

2014

November	
1188	<p>VOC Reductions from Vacuum Trucks (FUG-01) <i>[Projected Emission Reduction: TBD]</i> The proposed rule will establish VOC emission standards and other requirements associated with the operation of vacuum trucks not covered by Rule 1149 – Storage Tank and Pipeline Cleaning and Degassing. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
4001	<p>Backstop to Ensure AQMP Emission Reduction Targets Are Met at Commercial Marine Ports (IND-01) <i>[Projected Emission Reduction: TBD]</i> If triggered, the proposed rule will address cost-effective NO_x, SO_x, and PM_{2.5} emission reduction strategies from port-related sources to ensure emission reductions claimed or emission targets assumed in the 2012 AQMP for the 24-hour PM_{2.5} standard are maintained. <i>Randall Pasek 909.396.2251 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
December	
1123	<p>Refinery Process Turnarounds (MCS-03) <i>[Projected Emission Reduction: N/A]</i> Proposed amendments, if needed, will implement Control Measure MSC-03 of the 2007 AQMP by establishing procedures that better quantify emission impacts from start-up, shutdown or turnaround activities. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1161 ¹	<p>VOC Reductions from Mold Release Agents (CTS-03) <i>[Projected Emission Reduction: TBD]</i> The proposed rule will establish requirements for mold release products used in composite, fiberglass, metal and plastic manufacturing, and concrete stamping operations. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT A

AQMP Rule Activity Schedule (continued)

2014

December	
2301	<p>Control of Emissions from New or Redevelopment Projects (EGM-01) <i>[Projected Emission Reduction: Committed to reduce 0.5 tons per day of VOC, 0.8 tons per day of NOx, and 0.5 tons per day of PM2.5 in 2023.]</i></p> <p>The proposed rule will implement the 2007 AQMP Control Measure EGM-01 – Emission Reductions from New or Redevelopment Projects. Since the initial proposal was released for Proposed Rule 2301, CARB in compliance with an SB 375 requirement has set greenhouse gas emission reduction targets for each metropolitan planning organization (MPO). SCAG’s 2012 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) contains the plan for how these emission reductions targets will be met. In light of these developments, Proposed Rule 2301 will consider the implementation of a menu of mitigation measures as well as capture the co-benefits of VOC, NOx, and PM 2.5 emission reductions from SB 375 and the 2012 RTP/SCS.</p> <p><i>Carol Gomez 909.396.3264 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

To-Be Determined 2014

To-Be Determined	
1111.1 ¹	<p>NOx Reductions from Commercial Space Heating (CMB-03) <i>[Projected Emission Reduction: N/A]</i></p> <p>Proposed Rule 1111.1 will establish equipment-specific nitrogen oxides emission limits and other requirements for the operation of commercial space heaters.</p> <p><i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1124 1162 1171	<p>Aerospace Assembly and Component Manufacturing Operations (CTS-02)</p> <p>Polyester Resin Operations (CTS-02)</p> <p>Solvent Cleaning Operations (CTS-02) <i>[Projected Emission Reduction: TBD]</i></p> <p>Amendments may be necessary to integrate requirements associated with Proposed Rule 1161 – VOC Reductions from Mold Release Agents.</p> <p><i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT A

AQMP Rule Activity Schedule (continued)

To-Be Determined 2014

To-Be Determined	(Continued)
1168	<p>Adhesive and Sealant Applications (CTS-02) <i>[Projected Emission Reduction: N/A]</i> Amendments to Rule 1168 will partially implement CTS-02 and reflect improvements in adhesive and sealants technology, as well as remove outdated provisions and include minor clarifications. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
4010 ^{*+} 4020 ^{*+}	<p>General Provisions and Requirements for Ports of Los Angeles and Long Beach (IND-01) Backstop Requirements for Ports of Los Angeles and Long Beach (IND-01) <i>[Projected Emission Reduction: TBD]</i> If triggered, the proposed rules will address cost-effective NO_x, SO_x, and PM_{2.5} emission reduction strategies from port-related sources to ensure emission reductions claimed or emission targets assumed in the AQMP are maintained. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. IV, IX, X, XI, XIV, XX and XXX Rules	<p>Rule amendments may be needed to meet the requirements of state and federal laws, to address variance issues/technology-forcing limits, to abate a substantial endangerment to public health or welfare, or to seek additional reductions to meet the SIP short-term measure commitments. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules listed in Table 1 of the December 6, 2013 Rule and Control Measure Forecast and new or amended rules to implement the 2012 AQMP measures in Table 2 of the December 6, 2013 Rule and Control Measure Forecast.</p>

2015

February	
Reg. XX ¹	<p>Regional Clean Air Incentives Market (RECLAIM) (CMB-01) <i>[Projected Emission Reduction: 3-5 TPD]</i> Proposed amendments to Regulation XX will seek to implement a minimum contingency measure CMB-01 of the 2012 AQMP and possibly Phase II of the control measure if the technology assessment can be completed within the allotted time for this rulemaking. <i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT B

Toxics Rule Activity Schedule

This attachment lists those rules or rule amendments for Governing Board consideration that are designed to implement the Air Toxics Control Plan.

2014

November	
1401 1402	<p>New Source Review of Toxic Air Contaminants Control of Toxic Air Contaminants from Existing Sources <i>[Projected Emission Reduction: TBD]</i> Amendments to Rules 1401 and 1402 will address new or revised toxic air contaminants that have been approved by OEHHA. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1420 1420.2	<p>Emissions Standard for Lead Emissions Standard for Lead from Medium Sources <i>[Projected Emission Reduction: TBD]</i> In October 2008, U.S. EPA lowered the National Ambient Air Quality Standard for lead from 1.5 to 0.15 ug/m³. Proposed Amended Rule 1420 and Proposed Rule 1420.2 will apply to lead sources and will include requirements to ensure the Basin meets the new lead standard. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
2305*	<p>Indirect Sources <i>[Projected Emission Reduction: TBD]</i> Proposed Rule 2305 will identify approaches to reduce exposure to diesel particulate emissions and localized NO₂ emissions from facilities associated with large indirect sources (i.e. facilities that attract mobile sources). <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
December	
1430	<p>Control of Toxic Air Contaminants from Metal Forging, Shredding, Grinding and Other Metal Processing Operations <i>[Projected Emission Reduction: TBD]</i> Proposed Rule 1430 will establish requirements to control toxic air contaminants from metal forging, shredding, grinding, and other metal processing operations. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1450	<p>Control of Methylene Chloride Emissions <i>[Projected Emission Reduction: N/A]</i> Proposed Rule 1450 will establish requirements to control methylene chloride from furniture stripping operations and other sources. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT B

Toxics Rule Activity Schedule (continued)

To-Be Determined 2014

To-Be Determined	
1420.1	<p>Emission Standard for Lead from Large Lead-Acid Battery Recycling Facilities <i>[Projected Emission Reduction: TBD]</i> The proposed amendment will reduce arsenic, benzene, and 1,3-butadiene emissions from large lead-acid battery recycling facilities. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
4010 ^{*+} 4020 ^{*+}	<p>General Provisions and Requirements for Ports of Los Angeles and Long Beach (IND-01) Backstop Requirements for Ports of Los Angeles and Long Beach (IND-01) <i>[Projected Emission Reduction: TBD]</i> If triggered, the proposed rules will address cost-effective NO_x, SO_x, and PM_{2.5} emission reduction strategies from port-related sources to ensure emission reductions claimed or emission targets assumed in the AQMP are maintained. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
Reg. IV, IX, X, XI, XIV, XX and XXX Rules	<p>The Clean Communities Plan (CCP) has been updated to include new measures to address toxic emissions in the basin. The CCP measures will reduce exposure to air toxics from stationary, mobile, and area sources (Table 3 of the December 6, 2013 and Control Measure Forecast). Rule amendments also include updates to provide consistency with CARB Statewide Air Toxic Control Measures (ATCMs).</p>

ATTACHMENT C

Other Rule Activity Schedule

This attachment lists those rules or rule amendments for the Governing Board consideration that are designed to improve rule enforceability, SIP corrections, or implementing state or federal regulations.

2014

October	
1153.1	<p>Emissions of Oxides of Nitrogen from Commercial Food Ovens <i>[Projected Emission Reduction: N/A]</i> Proposed Rule 1153.1 will establish equipment-specific nitrogen oxides emission limits and other requirements for the operation of commercial food ovens. <i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
November	
2305*	<p>Indirect Sources <i>[Projected Emission Reduction: TBD]</i> Proposed Rule 2305 will identify approaches to reduce exposure to diesel particulate emissions and localized NO2 emissions from facilities associated with large indirect sources (i.e. facilities that attract mobile sources). <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
December	
Reg. IX ¹ X ¹	<p>Standards of Performance for New Stationary Sources (NSPS) National Emission Standards for Hazardous Air Pollutants (NESHAPS) <i>[Projected Emission Reduction: N/A]</i> Regulation IX - Standards of Performance for New Stationary Sources and Regulation X - National Emission Standards for Hazardous Air Pollutants, incorporate by reference the corresponding federal requirements. Amendments are being proposed to incorporate the latest federal revisions. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1325	<p>Federal PM 2.5 New Source Review Program <i>[Projected Emission Reduction: TBD]</i> Amendments may be necessary to address U.S. EPA comments on SIP approvability issues and/or requirements. Amendments may also be proposed for clarity and improved enforceability. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT C

Other Rule Activity Schedule (continued)

To-Be Determined 2014

To-Be Determined	
219	<p>Equipment Not Requiring a Written Permit Pursuant to Regulation II <i>[Projected Emission Reduction: N/A]</i> Amendments to Rule 219 may be proposed to exclude equipment with de minimis emissions from the requirement to obtain written permits. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
222.1	<p>Filing Requirements for Specific Emission Sources Not Requiring a Written Permit Pursuant to Regulation I <i>[Projected Emission Reduction: N/A]</i> Amendments for Rule 222 may be proposed to add additional equipment categories to the streamlined filing/registration program of Rule 222. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1107	<p>Coating of Metal Parts and Products <i>[Projected Emission Reduction: N/A]</i> Potential amendments to Rule 1107 would further reduce VOC emissions and improve rule clarity and enforceability. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1113	<p>Architectural Coatings <i>[Projected Emission Reduction: N/A]</i> Potential amendments may be proposed to include administrative fixes and/or any clarifications that may arise due to compliance verification activities or manufacturer and public input. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1118	<p>Control of Emissions from Refinery Flares <i>[Projected Emission Reduction: TBD]</i> Amendments may be necessary to address results of the additional analysis required by the adopting resolution for the last amendment. Amendments may also be necessary to implement an AB 32 measure. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1124 1162 1171	<p>Aerospace Assembly and Component Manufacturing Operations (CTS-02) Polyester Resin Operations (CTS-02) Solvent Cleaning Operations (CTS-02) <i>[Projected Emission Reduction: N/A]</i> Amendments may be necessary to integrate requirements associated with Proposed Rule 1161 – VOC Reductions from Mold Release Agents. The proposed amendment may consider technology assessments for the cleanup of affected equipment. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT C

Other Rule Activity Schedule (continued)

To-Be Determined 2014

To-Be Determined	(continued)
1147	<p>NOx Reductions from Miscellaneous Sources <i>[Projected Emission Reduction: N/A]</i> Amendments may be necessary to address findings of ongoing technology assessment. <i>Joe Cassmassi 909.396.3155 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1148.1	<p>Oil and Gas Production Wells <i>[Projected Emission Reduction: N/A]</i> Amendments may be necessary to improve rule effectiveness in reducing emissions from production wells and associated equipment and improving housekeeping activities. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1177	<p>Liquefied Petroleum Gas Transfer and Dispensing <i>[Projected Emission Reduction: N/A]</i> Potential amendments may be proposed to include administrative fixes and/or any clarifications that may arise due to compliance verification activities or manufacturer and public input. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1190 Series	<p>Fleet Vehicle Requirements <i>[Projected Emission Reduction: TBD]</i> Amendments to Rule 1190 series fleet rules may be necessary to address remaining outstanding implementation issues and in the event the court's future action requires amendments. In addition, the current fleet rules may be expanded to achieve additional air quality and air toxic benefits. <i>Dean Saito 909.396.2647 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1304.2	<p>Greenfield or Existing Electrical Generating Facility Fee for Use of Offsets <i>[Projected Emission Reduction: TBD]</i> Proposed Rule 1304.2 would provide for new, greenfield or additions at existing electrical generating facilities access to the SCAQMD's internal offset account, subject to qualifying conditions, eligibility, and the payment of a fee to invest in air quality improvement projects consistent with the AQMP. This rule is a companion provision to recently adopted Rule 1304.1 and will provide that new, proposed and other existing electrical generating facilities can compete on a level playing field with existing generating facilities with utility steam boilers, and implement the State's plan to maintain grid reliability. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT C

Other Rule Activity Schedule (continued)

To-Be Determined 2014

To-Be Determined	(continued)
Reg. XIII	<p>New Source Review <i>[Projected Emission Reduction: TBD]</i> Amendments may be necessary to address U.S. EPA comments on SIP approvability issues and/or requirements. Amendments may also be proposed for clarity and improved enforceability. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
1902	<p>Transportation Conformity <i>[Projected Emission Reduction: TBD]</i> Amendments to Rule 1902 may be necessary to bring the District's Transportation Conformity rule in line with current U.S. EPA requirements. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
2511	<p>Credit Generation Program for Locomotive Head End Power Unit Engines <i>[Projected Emission Reduction: TBD]</i> Develop a rule to allow generation of PM mobile source emission reduction credits from Locomotive Head End Power Unit Engines. Credits will be generated by retrofitting engines with PM controls or replacing the engines with new lower-emitting engines. <i>Randall Pasek 909.396.2251 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>
2512	<p>Credit Generation Program for Ocean-Going Vessels at Berth <i>[Projected Emission Reduction: TBD]</i> Develop a rule to allow generation of PM, NOx and SOx emission reduction credits from ocean-going vessels while at berth. Credits will be generated by controlling the emissions from auxiliary engines and boilers of ships while docked. <i>Randall Pasek 909.396.2251 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT C

Other Rule Activity Schedule (continued)

To-Be Determined 2014

To-Be Determined	(continued)
Reg. IV, IX, X, XI, XIV, XX and XXX Rules	<p>Rule amendments may be needed to meet the requirements of state and federal laws, to address variance issues/technology-forcing limits, to abate a substantial endangerment to public health or welfare, or to seek additional reductions to meet the SIP short-term measure commitments. The associated rule development or amendments include, but are not limited to, SCAQMD existing rules listed in Table 1 of the December 6, 2013 Rule and Control Measure Forecast and new or amended rules to implement the 2012 AQMP measures in Table 2 of the December 6, 2013 Rule and Control Measure Forecast. The Clean Communities Plan (CCP) has been updated to include new measures to address toxic emissions in the basin. CCP measures will reduce exposure to air toxics from stationary, mobile, and area sources (Table 3 of the December 6, 2013 Rule and Control Measure Forecast). Rule amendments also include updates to provide consistency with CARB Statewide Airborne Toxic Control Measures (ATCMs).</p>

2015

1 st Quarter	
415 ¹	<p>Odors from Rendering and Inedible Kitchen Grease Processing Facilities <i>[Projected Emission Reduction: TBD]</i> Proposed Rule 415 will address odors from rendering plants and inedible kitchen grease processing facilities. <i>Phil Fine 909.396.2239 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i></p>

ATTACHMENT D

Climate Change

This attachments lists rules or rule amendments for Governing Board consideration that are designed to implement SCAQMD's Climate Change Policy or for consistency with state or federal rules.

To-Be Determined 2014

To-Be Determined	
1118	Control of Emissions from Refinery Flares <i>[Projected Emission Reduction: TBD]</i> Amendments may be necessary to address findings from the additional analysis required by the adopting resolution for the last amendment. Amendments may also be necessary to implement an AB 32 measure. <i>Naveen Berry 909.396.2363 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i>
Reg. XXVII	Climate Change <i>[Projected Emission Reduction: TBD]</i> Additional protocols may be added to Rules 2701 and 2702. <i>Susan Nakamura 909.396.3105 CEQA: Krause 909.396.2706 Socio: Cassmassi 909.396.3155</i>
Reg. IV, IX, X, XI, XIV, XX and XXX Rules	Rule developments/amendments may be needed to meet the requirements of state and federal laws related to climate change air pollutants.

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 19

REPORT: FY 2013-14 Contract Activity

SYNOPSIS: This report lists the number of contracts let during FY 2013-14, the respective dollar amounts, award type, and the authorized contract signatory for the SCAQMD. This report includes the data provided in the March 2014 report covering contract activity for the first six months of FY 2013-14.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Barry R. Wallerstein, D.Env.
Executive Officer

MBO:DH:EA:lg

Background

Since FY 1995-96, staff has provided semi-annual reports to the Governing Board on contract activity. This report identifies five categories of contract awards: 1) New Awards – new contracts for professional services and research projects; 2) Other – air monitoring station leases, Board Assistant agreements, or miscellaneous lease agreements that generate revenue, e.g., lease of SCAQMD space; 3) Sponsorships – contracts funding public events and technical conferences which provide air quality benefits; 4) Amendments – modifications to existing contracts usually reflecting changes in the project scope and/or schedule; 5) Terminated Contracts – Partial Work Performed – modifications to contracts to reflect termination of a portion or all of the work which result in de-obligation of contract funding. The report further specifies under New Awards, which contracts were awarded competitively and which were awarded on a sole-source basis. Within the first four categories, the level of approval (Board or Executive Officer) is indicated.

Summary

Of the 730 contracts and modifications (including terminations) issued during this period, New Awards accounted for 399, Other accounted for 37, Sponsorships accounted for 14, and Modifications accounted for 232. The total value for New Awards was \$201,198,629.95. Of that amount, \$191,718,541.88 or 95% was awarded through the competitive process. The total value of all contracts and amendments for this period was \$226,660,545.94 with 429 contracts and amendments totaling \$224,415,415.07 approved by the Board and 253 contracts and amendments totaling \$2,245,130.87 approved by the Executive Officer. This does not include modifications for termination with partial work or no work completed which is addressed below. Of this latter amount \$717,800.30 representing 27 contracts and modifications was for Board Member Assistant contracts as approved by the Board's Administrative Committee; \$477,819.00 representing 17 contracts was sole sourced in the areas of litigation/legal services (\$197,500.00), technical consulting (\$172,039.00), and miscellaneous (\$108,280.00); \$104,500.00 representing 14 contracts was for sponsorships in advanced technologies and community and business outreach; and \$580,133.89 representing 176 contracts was for contract modifications for extensions of time or additional budgeted services from previously approved vendors. Contract terminations with partial or no work completed numbered 48 during this period and de-obligated a total of \$8,205,697.70.

CONTRACT CATEGORY	NUMBER	AMOUNT
NEW AWARDS	399	\$201,189,629.95
OTHER	37	\$ 777,389.60
SPONSORSHIPS	14	\$ 104,500
MODIFICATIONS	232	\$ 24,580,026.39
TERMINATIONS	48	-\$ 8,205,697.70

Attachment

Contract Activity Report for the period July 1, 2013 through June 30, 2014

South Coast Air Quality Management District
Contract Activity Report
July 1, 2013 - June 30, 2014

DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
I. NEW AWARDS							
Competitive - Board Approved							
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11698	81	PROP 1B TRUCK REPLACEMENT PROGRAM - OPERATE 1 DIESEL TRUCK PREVIOUSLY PAID TO CASCADE SIERRA SOLUTIONS	MARTIN MERCADO	\$0.00	15
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11719	81	PROP 1B TRUCK REPLACEMENT PROGRAM - OPERATE 1 DIESEL TRUCK PREVIOUSLY PAID TO CASCADE SIERRA SOLUTIONS	NESTOR HUMBERTO PERALTA	\$0.00	15
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12057	31	DEMONSTRATE AND EXPAND HYDROGEN FUELING INFRASTRUCTURE TO SUPPORT EXISTING AND ANTICIPATED FCV POPULATION IN LAGUNA NIGUEL AREA	LINDE ELECTRONICS & SPECIALTY GASES	\$250,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12087	81	PROP 1B TRUCK REPLACEMENT PROGRAM -OPERATE 1 DIESEL TRUCK PREVIOUSLY PAID TO CASCADE	RUDY MONTEALEGRE	\$0.00	15
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12097	81	PROP 1B TRUCK REPLACEMENT PRGRAM - OPERATE 1 DIESEL TRUCK PREVIOUSLY PAID TO CASCADE SIERRA SOLUTIONS	HAYES AND SONS TRUCKING	\$0.00	15
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12233	81	INSTALLATION OF A GRID-BASED, SHORE POWER SYSTEMS AT UP TO 12 BERTHS AT THE PORT OF LONG BEACH	PORT OF LONG BEACH	\$30,000,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12486	31	TECHNICAL ASSISTANCE WITH GOODS MOVEMENT AND ZERO-EMISSION TRANSPORTATION TECHNOLOGIES	ICF INCORPORATED, L.L.C.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12884	81	REPLACE 10 DIESEL SOLID WASTE COLLECTION VEHICLES WITH NATURAL GAS VEHICLES	CITY OF LOS ANGELES	\$250,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12886	81	REPLACE 12 DIESEL SOLID WASTE COLLECTION VEHICLES WITH NATURAL GAS VEHICLES	BURRTEC WASTE INDUSTRIES INC	\$250,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13024	32	REPOWER 1 DIESEL OFF-ROAD VEHICLE	FST SAND & GRAVEL INC	\$133,510.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13026	32	REPOWER 3 DIESEL OFF-ROAD VEHICLES	LD ANDERSON INC	\$293,430.00	

South Coast Air Quality Management District
Contract Activity Report
July 1, 2013 - June 30, 2014

DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13028	32	REPOWER 5 DIESEL OFF-ROAD VEHICLES	RRM PROPERTIES, LTD	\$989,463.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13151	81	INSTALLATION OF TRUCK STOP ELECTRIFICATION SYSTEM - PROP1B - GOODS MOVEMENT PROGRAM	CONVOY SOLUTIONS LLC	\$407,042.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13313	32	REPOWER 1 MAIN ENGINE ON A MARINE VESSEL	GIACOMO F. DAMATO FISHING	\$60,782.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13417	58	PURCHASE 15 NATURAL GAS VEHICLES AND UPGRADE EXISTING CNG FUELING STATION	CITY OF DESERT HOT SPRINGS	\$1,024,641.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13431	27	DEMONSTRATE STAGED COMBUSTION HYDROGEN ASSISTED EMISSION CONTROL SYSTEM	GAS TECHNOLOGY INSTITUTE	\$183,988.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13432	27	CONDUCT A NATIONWIDE SURVEY OF BIOGAS CLEANUP TECHNOLOGIES AND COSTS	GAS TECHNOLOGY INSTITUTE	\$150,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13434	80	REPOWER 5 OFF-ROAD VEHICLES	ABOVE ALL GRADING	\$430,888.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13435	80	REPOWER 1 OFF-ROAD VEHICLE	DOUGLAS CASH HEAVY EQUIPMENT RENTAL	\$161,012.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13436	80	REPOWER 1 OFF-ROAD VEHICLE	P. RILEY ENTERPRISES, INC.	\$106,272.00	
16	ADMINISTRATIVE & HUMAN RESOURCES	C13438	01	LANDSCAPE AND TREE MAINTENANCE SERVICES	TROPICAL PLAZA NURSERY INC	\$158,529.00	
27	INFORMATION MANAGEMENT	C13440	2	AUDIO VISUAL SYSTEM UPGRADE	DIGITAL NETWORKS GROUP, INC.	\$1,196,952.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13442	58	MOBILE HOME PARK PAVING PROJECTS	COUNTY OF RIVERSIDE	\$4,097,114.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13444	58	PARKING LOT PAVING DUST MITIGATION PROJECT	TORRES MARTINEZ DESERT CAHUILLA INDIANS	\$999,989.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13446	80	REPOWER OF 4 OFF-ROAD VEHICLES	MUTH EQUIPMENT, INC.	\$527,255.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13450	58	PROCUREMENT OF FIVE NEW CARB-CERTIFIED DEDICATED CNG-POWERED VEHICLES	ANGEL VIEW, INC	\$270,818.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13452	32	OPERATE REPOWERED MARINE VESSEL PREVIOUSLY PAID TO MARIA T.	TOMICH BROTHERS LOGISTICS, LLC	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13455	81	TECHNICAL ASSISTANCE WITH DOE'S GOODS MOVEMENT TRUCK REPLACEMENT PROGRAM	TETRA TECH INC	\$100,000.00	

South Coast Air Quality Management District
Contract Activity Report
July 1, 2013 - June 30, 2014

DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13456	58	INSTALLATION OF SOLAR PV PARKING CANOPY SYSTEM	SUNPOWER CORPORATION	\$2,000,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13459	58	PARKWAY 1e11 PROJECT	COACHELLA VALLEY ASSOC OF GOVERNMENTS	\$17,400,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13460	80	REPOWER 13 DIESEL OFF-ROAD VEHICLES	JAGUR TRACTOR	\$1,786,662.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13461	58	AIR FILTRATION FOR SCHOOLS IN EJ AREA	IQAIR NORTH AMERICA, INC.	\$921,235.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13463	58	AIR FILTRATION FOR SCHOOLS IN EJ AREA	COACHELLA VALLEY UNIFIED SCHOOL DISTRICT	\$337,200.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13466	80	REPOWER ONE DIESEL OFF-ROAD CONSTRUCTION EQUIPMENT	JKM EQUIPMENT INC	\$173,482.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13467	80	REPOWER 3 DIESEL OFF-ROAD CONSTRUCTION EQUIPMENT	POWER MOVE, INC.	\$296,652.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14020	58	PROJECT TO PROCURE NATURAL GAS VEHICLES	FIND FOOD BANK	\$304,623.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14025	80	REPOWER 2 DIESEL OFF-ROAD CONSTRUCTION VEHICLES	LEE & STIRES INC	\$117,796.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14026	58	UPGRADE EXISTING CNG FUELING STATION	DESERT SANDS UNIFIED SCHOOL DISTRICT	\$174,250.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14027	58	COACHELLA VALLEY WEATHERIZATION PROJECT	QUALITY INTERIORS, INC.	\$2,354,164.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14030	58	COACHELLA VALLEY WEATHERIZATION PROJECT	SUMMIT INSULATION INC.	\$1,054,164.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14031	58	INSTALLATION OF SOLAR PHOTOVOLTAIC GROUND MOUNT SYSTEM	PALM SPRINGS UNIFIED SCHOOL DISTRICT	\$3,000,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14032	80	OPERATE 1 REPOWERED MARINE VESSEL PREVIOUSLY PAID TO CALAMAR KID LLC	FISHERS CATCH LLC	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14033	58	UPGRADE PUBLIC ACCESS STATION TO L/CNG	BORDER VALLEY TRADING	\$900,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14034	58	INSTALLATION OF SOLAR PHOTOVOLTAIC GROUND MOUNT SYSTEM	CITY OF DESERT HOT SPRINGS	\$1,484,329.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14035	58	INSTALLATION OF SOLAR PHOTOVOLTAIC GROUND MOUNT SYSTEM	MISSION SPRINGS WATER DISTRICT	\$3,330,546.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14036	58	PROCURE 1 CNG MEDIUM-DUTY VEHICLE	ST. ELIZABETH OF HUNGARY CATHOLIC CHURCH	\$53,995.00	

South Coast Air Quality Management District
Contract Activity Report
July 1, 2013 - June 30, 2014

DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14037	58	INSTALLATION OF SOLAR PHOTOVOLTAIC ROOF AND PARKING CANOPY SYSTEM	CITY OF PALM SPRINGS	\$1,175,225.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14039	58	MITIGATION FEE EMISSION REDUCTION PROJECT TO CONSTRUCT NEW CNG STATION	COACHELLA VALLEY UNIFIED SCHOOL DISTRICT	\$300,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14040	58	INSTALLATION OF SOLAR PHOTOVOLTAIC GROUND MOUNT SYSTEM	RENOVA ENERGY CORP.	\$314,584.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14042	58	CONSTRUCT NEW CNG STATION, PROCURE VEHICLES, AND INSTALL SOLAR PV PARKING CANOPY SYSTEM	CITY OF COACHELLA	\$1,895,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14043	80	REPOWER 1 OFF-ROAD VEHICLE	BILL HIGGINS, INC.	\$63,509.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14054	31	PARTICIPATE IN CAFCP FOR CALENDAR YEAR 2013 AND PROVIDE SUPPORT FOR REGIONAL COORDINATOR	BEVILACQUA-KNIGHT INC	\$137,800.00	
20	MEDIA OFFICE	C14055	36	MEDIA, ADVERTISING, AND PUBLIC OUTREACH CAMPAIGN FOR CHECK BEFORE YOU BURN PROGRAM	QUIJOTE CORP DBA SENSIS	\$493,000.00	
26	PLANNING RULE DEV & AREA SOURCES	C14056	36	TREE PLANTING PARTNERSHIP	CITY OF LA CANADA FLINTRIDGE	\$20,720.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14064	27	EXCHANGE 1,500 MODEL BR500 BACKPACK BLOWERS FOR USE BY COMMERCIAL GARDENERS/LANDSCAPERS	PACIFIC STIHL	\$269,925.00	
26	PLANNING RULE DEV & AREA SOURCES	C14065	01	REVIEW OF SCAQMD SOCIOECONOMIC ASSESSMENT	ABT ASSOCIATES, INC	\$153,208.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14070	32	REPLACEMENT OF 2 OFF-ROAD VEHICLES	CHANDLER'S SAND & GRAVEL	\$644,014.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14071	32	REPLACEMENT OF 1 OFF-ROAD VEHICLE	CHAPUT TRACTOR SERVICES INC.	\$56,416.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14075	32	REPOWER 1 MAIN AND 1 AUXILIARY ENGINE ON 1 MARINE VESSEL	INTEGRITY FISH, INC.	\$132,450.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14076	32	REPOWER 4 OFF-ROAD DIESEL VEHICLES	MILLER EQUIPMENT COMPANY INC	\$463,647.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14078	32	REPOWER OF TWO (2) MAIN ENGINES OF ONE (1) MARINE VESSEL	AFISHINADOS INC.	\$172,195.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14080	32	REPOWER 1 MAIN ENGINE ON 1 MARINE VESSEL	ALEX NATIPADAB	\$101,150.00	

South Coast Air Quality Management District
Contract Activity Report
July 1, 2013 - June 30, 2014

DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14081	32	REPOWER OF TWO MAIN ENGINES AND ONE AUXILIARY ENGINE OF A MARINE VESSEL	ASANTE CHARTERS	\$193,800.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14082	32	REPOWER OF 1 MAIN ENGINE ON A MARINE VESSEL	ISABELLA LOBSTER & FISH CO.	\$109,650.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14083	32	REPOWER 1 MAIN AND 1 AUXILIARY ENGINE ON 1 MARINE VESSEL	PACIFIC LIVE BAIT, INC.	\$149,250.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14084	32	REPOWER 2 MAIN AND 1 AUXILIARY ENGINE ON 1 MARINE VESSEL	SCUBA CAT INC.	\$199,639.00	
26	PLANNING RULE DEV & AREA SOURCES	C14085	36	TREE PLANTING PARTNERSHIP-CITY OF SANTA CLARITA	CITY OF SANTA CLARITA	\$31,700.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14086	32	REPOWER ONE MAIN ENGINE OF A MARINE VESSEL	BEACH RESOURCES, INC	\$131,100.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14088	32	REPOWER 2 MAIN ENGINES AND 1 AUXILIARY ENGINE ON 1 MARINE VESSEL	INSIDE SPORTFISHING	\$399,650.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14089	32	REPLACE 1 OFF-ROAD DIESEL VEHICLE	R. C. BERGER CONSTRUCTION, INC.	\$22,169.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14090	32	REPOWER OF ONE MAIN ENGINE ON A MARINE VESSEL	FRESH DAILY FISH	\$89,870.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14091	32	REPOWER 2 MAIN AND AUXILIARY ENGINES ON 1 MARINE VESSEL	REDONDO BEACH SPORTFISHING LLC	\$213,493.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14092	32	REPOWER OF 4 OFF-ROAD VEHICLES	UTILITY EQUIPMENT LLC	\$124,496.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14093	32	REPOWER 2 MAIN ENGINES ON 1 MARINE VESSEL	SUNDIVER INTERNATIONAL, INC.	\$199,918.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14094	32	REPOWER OF 1 MAIN ENGINE AND 1 AUXILIARY ENGINE ON A MARINE VESSEL	FV STRATA, LLC	\$139,400.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14096	32	REPOWER OF 2 MAIN ENGINES & 2 AUXILIARY ENGINES OF 1 MARINE VESSEL	SHANNON ROSE SPORTFISHING	\$559,616.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14097	32	REPOWER OF ONE (1) MAIN AND ONE (1) AUXILIARY ENGINES OF ONE (1) MARINE VESSEL	NATALIE ARTUNER	\$133,450.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14098	32	REPOWER 2 MAIN ENGINES AND 6 AUXILIARY ENGINES OF 2 MARINE VESSELS	TOMICH BROTHERS LOGISTICS, LLC	\$935,000.00	

South Coast Air Quality Management District
Contract Activity Report
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DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14099	32	REPOWER OF TWO MAIN AND ONE AUXILIARY ENGINES ON ONE MARINE VESSEL	CATALINA SEA RANCH, LLC	\$481,550.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14100	32	REPOWER 2 MAIN ENGINES ON 2 MARINE VESSELS	CAPE BLANCO FISHING LP	\$615,400.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14102	32	REPOWER 2 MAIN ENGINES AND 1 AUXILIARY ENGINE ON 1 MARINE VESSEL	LANCE RINEHART	\$190,387.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14103	32	REPOWER OF ONE (1) MAIN ENGINE OF ONE (1) MARINE VESSEL	JOEL RAYMOND HARRISON	\$110,075.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14104	32	REPLACE 3 OFF-ROAD DIESEL VEHICLES	L & S CONSTRUCTION, INC	\$203,105.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14106	32	REPOWER OF TWO (2) MAIN AND ONE (1) AUXILIARY ENGINE OF ONE (1) MARINE VESSEL	FERRIGNO BOY, LLC	\$206,550.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14107	32	REPOWER OF TWO (2) MAIN ENGINES OF TWO (2) MARINE VESSELS	FERRIGNO BOY FISHING, LP	\$534,650.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14109	32	REPOWER AND RETROFIT OF 3 OFF ROAD VEHICLES	NICK BELL DBA NB EQUIPMENT	\$820,304.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14110	32	REPOWER 2 MAIN ENGINES AND 1 AUXILIARY ENGINE ON 1 MARINE VESSEL	LOLIGO POWER & LIGHT LLC	\$205,200.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14112	32	REPLACE 1 OFF-ROAD DIESEL TRACTOR	JONES BACKHOE SERVICE, INC.	\$38,757.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14113	32	REPOWER 3 MAIN AND 2 AUXILIARY ENGINES ON 1 MARINE VESSEL	PACIFIC TUGBOAT SERVICES	\$446,782.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14116	32	REPOWER OF ONE MAIN ENGINE OF A MARINE VESSEL	MARK J BITHELL	\$91,800.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14117	32	REPOWER ONE AUXILIARY ENGINE OF ONE MARINE VESSEL	MORE CARNAGE, LLC	\$63,750.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14118	32	REPOWER OF ONE AUXILIARY ENGINE OF ONE MARINE VESSEL	GERLAR CORPORATION	\$33,492.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14119	32	REPOWER ONE MAIN ENGINE OF A MARINE VESSEL	IVAR W. SOUTHERN	\$70,397.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14120	32	REPOWER OF ONE MAIN ENGINE OF ONE MARINE VESSEL	NICHOLAS J. GUGLIELMO	\$94,954.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14121	32	REPOWER OF TWO MAIN ENGINES OF ONE MARINE VESSEL	SOUTHWEST MARINE RESOURCES, LLC	\$117,630.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14122	32	REPOWER OF ONE (1) AUXILIARY ENGINE OF ONE (1) MARINE VESSEL	PATRICK FEALY	\$34,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14123	32	REPOWER OF ONE (1) MAIN ENGINE OF ONE (1) MARINE VESSEL	SCOTT KHENSOVAN	\$107,950.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14124	32	REPOWER OF ONE (1) MAIN ENGINE OF ONE (1) MARINE VESSEL	STEVEN LEGERE	\$110,925.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14126	32	REPOWER OF 2 MAIN ENGINES OF 1 MARINE VESSEL	WRIGLEY INSTITUTE OF ENVIRONMENTAL STUDIES	\$204,850.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14127	32	REPOWER OF TWO (2) MAIN ENGINES OF ONE (1)	TUNG MING LUONG	\$157,600.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14129	32	REPOWER 13 DIESEL OFF-ROAD VEHICLES	CATTRAC CONSTRUCTION INC	\$1,555,513.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14130	32	REPOWER 3 MAIN ENGINES ON 2 MARINE VESSELS	PACIFIC TOWING LLC	\$205,411.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14131	32	REPOWER OF ONE (1) MAIN ENGINE OF ONE (1) MARINE VESSEL	JOHNNY HULJEV	\$97,750.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14132	32	REPOWER 1 MARINE VESSEL	FAIRWINDS AND FOLLOWING SEAS, LLC	\$84,049.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14133	32	REPOWER AND RETROFIT OF 1 OFF- ROAD VEHICLE	RANDY MATTHEWS EQUIPMENT RENTAL	\$136,557.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14135	32	REPLACEMENT OF 5 OFF-ROAD VEHICLES	MALI BASTA RANCHES, LLC	\$251,119.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14136	32	REPOWER 4 OFF-ROAD VEHICLES	NORTH COUNTY SAND & GRAVEL, INC.	\$626,828.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14140	32	REPOWER TWO OFF-ROAD CRANES	SHORING ENGINEERS	\$70,483.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14142	32	REPOWER AND RETROFIT ONE OFF- ROAD VEHICLE	JCE EQUIPMENT, INC.	\$145,025.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14143	32	REPLACEMENT OF 1 OFF-ROAD TRACTOR	REEVES TRACTOR SERVICE INC.	\$33,901.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14144	32	REPLACE 1 OFF-ROAD TRACTOR	SULTAN RANCHES, LLC	\$57,279.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14149	32	REPOWER 2 OFF-ROAD VEHICLES	PEED EQUIPMENT	\$674,804.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14151	32	REPOWER OF ONE (1) MAIN ENGINE OF ONE (1) MARINE VESSEL	T AND T SEAFOOD INC.	\$104,550.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14152	32	OPERATE MARINE VESSEL WITH REPOWERED 2 MAIN & 1 AUXILIARY DIESEL ENGINES PREVIOUSLY PAID TO SEA ANGLER SPORTFISHING	WADE M. GAVIN	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14158	80	REPOWER 2 OFF-ROAD DIESEL VEHICLES	POWER MOVE, INC.	\$215,060.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14159	32	REPLACE 1 OFF-ROAD VEHICLE	GB CRUZ CONSTRUCTION, INC.	\$75,123.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14161	32	REPOWER 2 OFF-ROAD VEHICLES	CLARK & SONS, INC.	\$215,060.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14166	32	REPOWER OF ONE (1) MAIN AND ONE (1) AUXILIARY ENGINE OF ONE (1) MARINE VESSEL	OCEAN ANGEL V, LLC	\$358,700.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14168	36	DEVELOPMENT AND DEMONSTRATION OF UP TO 15 PROPANE AND NATURAL GAS-FIRED CERAMIC AND STAINLESS STEEL FIRELOGS FRAMEWORK CONCRETE RINGS	BLAZING DESIGN, INC	\$300,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14169	36	DEVELOPMENT AND DEMONSTRATION OF UP TO 15 PROPANE AND NATURAL GAS-FIRED RETROFIT AND METAL FIRE RINGS	EARTH'S FLAME, INC	\$300,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14172	31	AIR POLLUTION HEALTH EFFECTS - OXIDATIVE STRESS TO PARTICULATE AIR POLLUTION EXPOSURES IN ELDERLY	UNIVERSITY OF CALIFORNIA - IRVINE	\$159,974.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14176	32	REPLACE 2 OFF-ROAD VEHICLES	KASSEL CONTRACTING, INC.	\$95,008.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14180	27	SCRAP GASOLINE LAWN MOWERS AFTER DRAINING THE FUEL SAFELY AT THE LAWN MOWER EXCHANGE SITES AND PROVIDE TRANSPORTATION FROM THE SITES	DICK'S AUTO WRECKERS	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14181	32	PURCHASE UP TO 4,000 MODEL LAWN N-1/LAWN N-2 CORDLESS ELECTRIC MOWERS (\$580,000 BETWEEN THE GREENSTATION AND BLACK AND DECKER)	THE GREENSTATION	\$174,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14182	32	PURCHASE UP TO 4,000 MODEL CM1836/CM1936/SPCM1936 CORDLESS ELECTRIC LAWN MOWERS (\$580,000 BETWEEN THE GREENSTATION AND BLACK AND DECKER)	BLACK & DECKER (US) INC	\$406,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14183	27	PROVIDE SUPPORT SERVICES AT THE LAWN MOWER EXCHANGE EVENTS	PARKING CONCEPTS INC	\$20,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14184	31	DC FAST CHARGING NETWORK PROVIDER	CLEAN FUEL CONNECTION INC	\$250,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14185	31	CONDUCT EDUCATIONAL OUTREACH FOR THE BASIN DC FAST CHARGING NETWORK PROJECT	THREE SQUARES INC.	\$49,183.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14186	17	ORGANIZE AN ALTERNATIVE FUEL CONFERENCE IN SCAB	GLADSTEIN, NEANDROSS & ASSOCIATES	\$65,000.00	
26	PLANNING RULE DEV & AREA SOURCES	C14188	01	PROVIDE TECHNICAL SUPPORT FOR THE SCAQMD UPPER AIR METEOROLOGICAL MONITORING NETWORK	SONOMA TECHNOLOGY INC	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14189	32	REPLACEMENT OF 1 OFF-ROAD VEHICLE	CITY OF LAWNSDALE	\$46,035.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14192	32	REPOWER 2 OFF-ROAD VEHICLES WITH 1 OFF-ROAD VEHICLE	SERFIN CONSTRUCTION, INC.	\$113,950.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14194	32	RETROFIT 7 OFF-ROAD VEHICLES	RELIABLE WHOLESALE LUMBER INC	\$152,181.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14197	32	REPOWER 1 MAIN AND 2 AUXILIARY ENGINES ON A MARINE VESSEL	FV PIONEER, LLC	\$426,450.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14218	32	REPOWER 8 OFF-ROAD VEHICLES	FINE GRADE EQUIPMENT, INC.	\$558,896.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14219	31	UPGRADE CNG STATION AT CITY YARD	CITY OF WEST COVINA	\$200,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14225	81	PROP 1B TRUCK REPLACEMENT PROGRAM	WEST COAST TURF	\$250,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14226	81	PROP 1B TRUCK REPLACEMENT PROGRAM	W WHY W ENTPRISES, INC.	\$70,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14227	81	PROP 1B TRUCK REPLACEMENT PROGRAM	SSI EXPRESS, INC.	\$200,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14228	81	PROP 1B TRUCK REPLACEMENT PROGRAM	SPRAGUES' ROCK AND SAND CO.	\$200,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14229	81	PROP 1B TRUCK REPLACEMENT PROGRAM	LOWE MATERIALS TRANSPORT	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14230	81	PROP 1B TRUCK REPLACEMENT PROGRAM	DOWNS FUEL TRANSPORT, INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14231	81	PROP 1B TRUCK REPLACEMENT PROGRAM	COLUMBIA SPECIALTY COMPANY, INC.	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14232	81	PROP 1B TRUCK REPLACEMENT PROGRAM	CJ TRUCK LINES INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14233	81	PROP 1B TRUCK REPLACEMENT PROGRAM	BEAR TRUCKING, INC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14238	81	PROP 1B TRUCK REPLACEMENT PROGRAM	STRENGTH TRANSPORATION MANAGEMENT	\$345,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14239	81	PROP 1B TRUCK REPLACEMENT PROGRAM	PROFESSIONAL AUTO TRANSPORT, INC.	\$820,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14240	81	PROP 1B TRUCK REPLACEMENT PROGRAM	LUBERSKI INC. DBA HIDDEN VILLA RANCH	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14241	81	PROP 1B TRUCK REPLACEMENT PROGRAM	HOLLIDAY ROCK CO., INC	\$250,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14242	81	PROP 1B TRUCK REPLACEMENT PROGRAM	UNITED CARGO LOGISTICS	\$210,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14243	81	PROP 1B TRUCK REPLACEMENT PROGRAM	SLR ENTERPRISES, INC.	\$200,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14244	81	PROP 1B TRUCK REPLACEMENT PROGRAM	AMERICAN WEST WORLWIDE EXPRESS, INC.	\$105,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14245	81	PROP 1B TRUCK REPLACEMENT PROGRAM	COMMUNITY RECYCLING & RESOURCE	\$900,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14246	81	PROP 1B TRUCK REPLACEMENT PROGRAM	E.E.S.LLC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14247	81	PROP 1B TRUCK REPLACEMENT PROGRAM	EAZY LINE EXPRESS INC.	\$80,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14248	81	PROP 1B TRUCK REPLACEMENT PROGRAM	GONZALES TRANSPORATION SERVICE	\$35,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14249	81	PROP 1B TRUCK REPLACEMENT PROGRAM	INTERNATIONAL TRUCKING INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14250	81	PROP 1B TRUCK REPLACEMENT PROGRAM	K TRUCKING CO.	\$125,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14251	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MATHESON TRUCKING, INC.	\$600,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14252	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MOTION CITY TRANSPORTATION LLC	\$40,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14253	81	PROP 1B TRUCK REPLACEMENT PROGRAM	NICHOLS LUMBER & HARDWARE CO.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14257	81	PROP 1B TRUCK REPLACEMENT PROGRAM	A&A READY MIXED CONCRETE, INC.	\$4,750,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14259	81	PROP 1B TRUCK REPLACEMENT PROGRAM	EVANS DEDICATED SYSTEMS, INC.	\$550,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14260	81	PROP 1B TRUCK REPLACEMENT PROGRAM	FAST FREIGHT TRANSPORTION	\$35,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14261	81	PROP 1B TRUCK REPLACEMENT PROGRAM	J-N-K MATERIAL TRANSPORATION	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14262	81	PROP 1B TRUCK REPLACEMENT PROGRAM	LIBERTY LINE HAUL WEST, INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14263	81	PROP 1B TRUCK REPLACEMENT PROGRAM	LORETOS EXPRESS	\$80,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14264	81	PROP 1B TRUCK REPLACEMENT PROGRAM	METRO EXPRESS INC.	\$110,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14265	81	PROP 1B TRUCK REPLACEMENT PROGRAM	OAKLEY TRANSPORTATION, INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14266	81	PROP 1B TRUCK REPLACEMENT PROGRAM	THE COMPLETE LOGISTICS CO.	\$2,050,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14267	81	PROP 1B TRUCK REPLACEMENT PROGRAM	VFT INC.	\$80,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14268	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MATICH BROTHERS LLC	\$400,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14269	81	PROP 1B TRUCK REPLACEMENT PROGRAM	KELLY FREIGHT SERVICES, INC.	\$235,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14271	81	PROP 1B TRUCK REPLACEMENT PROGRAM	GAMBERG METALS CO. INC.	\$35,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14272	81	PROP 1B TRUCK REPLACEMENT PROGRAM	G.O. RODRIGUEZ TRUCKING, INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14273	81	PROP 1B TRUCK REPLACEMENT PROGRAM	BIG ARROW TRANSPORT CORP.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14274	81	PROP 1B TRUCK REPLACEMENT PROGRAM	BEAUCHAMP DISTRIBUTING COMPANY	\$25,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14275	81	PROP 1B TRUCK REPLACEMENT PROGRAM	A.S.A.P. TRANSPORATION, INC.	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14276	81	PROP 1B TRUCK REPLACEMENT PROGRAM	AMERICAN NONWOVENS INC.	\$35,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14277	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ACCURATE DELIVERY SYSTEMS INC.	\$125,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14278	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ASBURY ENVIRONMENTAL SERVICES	\$635,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14279	81	PROP 1B TRUCK REPLACEMENT PROGRAM	DALTON TRUCKING INC	\$275,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14280	81	PROP 1B TRUCK REPLACEMENT PROGRAM	DESERT EMPIRE TRANSFER & STORAGE, INC.	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14282	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MOUNTAIN VALLEY EXPRESS CO INC	\$565,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14283	81	PROP 1B TRUCK REPLACEMENT PROGRAM	TED LEVINE DRUM CO.	\$70,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14284	81	PROP 1B TRUCK REPLACEMENT PROGRAM	TED SOLOMON TRUCKING, INC.	\$60,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14285	81	PROP 1B TRUCK REPLACEMENT PROGRAM	BEJAC CORPORATION	\$260,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14286	81	PROP 1B TRUCK REPLACEMENT PROGRAM	PRINCETON PRODUCE, INC.	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14287	81	PROP 1B TRUCK REPLACEMENT PROGRAM	GOLDEN WEST TRADING INC.	\$190,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14288	81	PROP 1B TRUCK REPLACEMENT PROGRAM	HARRISON - NICHOLS CO. LTD.	\$800,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14289	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ALL-TEX, INC.	\$225,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14290	81	PROP 1B TRUCK REPLACEMENT PROGRAM	NEAL TRUCKING, INC.	\$580,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14291	81	PROP 1B TRUCK REPLACEMENT PROGRAM	OAK HARBOR FREIGHT LINES	\$735,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14292	81	PROP 1B TRUCK REPLACEMENT PROGRAM	OHIO TRANSFER INC.	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14293	81	PROP 1B TRUCK REPLACEMENT PROGRAM	PTI SAND & GRAVEL INC.	\$400,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14294	81	PROP 1B TRUCK REPLACEMENT PROGRAM	TMT INDUSTRIES INC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14295	81	PROP 1B TRUCK REPLACEMENT PROGRAM	UNITED EL SEGUNDO, INC.	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14296	81	PROP 1B TRUCK REPLACEMENT PROGRAM	DESERT COASTAL TRANSPORT INC.	\$200,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14297	81	PROP 1B TRUCK REPLACEMENT PROGRAM	GARCIA TRUCKING	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14298	81	PROP 1B TRUCK REPLACEMENT PROGRAM	JOSE A.GUTIERREZ	\$75,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14299	81	PROP 1B TRUCK REPLACEMENT PROGRAM	RALPHS GROCERY COMPANY	\$1,500,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14300	81	PROP 1B TRUCK REPLACEMENT PROGRAM	SUNSET LADDER CO. INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14301	81	PROP 1B TRUCK REPLACEMENT PROGRAM	WEST COAST LEASEWAYS , LLC	\$665,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14302	81	PROP 1B TRUCK REPLACEMENT PROGRAM	SUPERIOR READY MIX CONCRETE, L.P.	\$2,755,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14303	81	PROP 1B TRUCK REPOWER PROGRAM	UNITED PARCEL SERVICE	\$1,510,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14304	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ROADSTAR TRUCKING, INC.	\$35,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14305	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ROADEX AMERICA, INC.	\$69,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14306	81	PROP 1B TRUCK REPLACEMENT PROGRAM	APEX BULK COMMODITIES, LLC.	\$1,620,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14307	81	PROP 1B TRUCK REPLACEMENT PROGRAM	BERTETTA TANKLINES, INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14308	81	PROP 1B TRUCK REPLACEMENT PROGRAM	DEPENDABLE HIGHWAY EXPRESS, INC.	\$1,770,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14309	81	PROP 1B TRUCK REPLACEMENT PROGRAM	FOSTER POULTRY FARMS	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14310	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ANTHONY H. OSTERKAMP JR.	\$1,350,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14312	81	PROP 1B TRUCK REPLACEMENT PROGRAM	SAN LUIS BUTANE DISTRIBUTORS, INC.	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14313	81	PROP 1B TRUCK REPLACEMENT PROGRAM	VELOCITY TRUCK RENTAL AND LEASING	\$75,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14314	81	PROP 1B TRUCK REPLACEMENT PROGRAM	FURNITURE TRANSPORTATION SYSTEMS, INC.	\$620,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14330	81	PROP 1B TRUCK REPLACEMENT PROGRAM	M S INTERNATIONAL, INC.	\$125,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14332	81	PROP 1B TRUCK REPLACEMENT PROGRAM	TRI-WEST LTD	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14334	81	PROP 1B TRUCK REPLACEMENT PROGRAM	BOB HUBBARD HORSE TRANSPORATION, INC.	\$150,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14335	32	REPLACEMENT OF 8 OFF-ROAD VEHICLES	OASIS DATE GARDENS.	\$717,085.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14347	81	PROP 1B TRUCK REPLACEMENT PROGRAM	COASTAL TRANSPORT SERVICES	\$80,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14348	81	PROP 1B TRUCK REPLACEMENT PROGRAM	GRILEY AIR FREIGHT	\$375,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14357	32	OPERATE 2 REPOWERED FORKLIFTS PREVIOUSLY PAID TO WESTSIDE BUILDING MATERIALS	ALL ACCESS EQUIPMENT RENTALS, INC.	\$0.00	1
26	PLANNING RULE DEV & AREA SOURCES	C14365	01	THIRD-PARTY INVESTIGATOR FOR CONTROL EQUIPMENT BREAKDOWNS AT LEAD-ACID BATTERY FACILITIES	AMEREX ENVIRONMENTAL SERVICES, INC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14376	81	PROP 1B TRUCK REPLACEMENT PROGRAM	NATIONAL READY MIXED SERVICES COMPANY	\$850,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14377	81	PROP 1B TRUCK REPLACEMENT PROGRAM	V EXPRESS, INC.	\$240,000.00	
90	SCIENCE & TECHNOLOGY ADVANCEMENT	C14510	81	PROP 1B TRUCK REPLACEMENT PROGRAM	NATIONAL READY MIXED SERVICES COMPANY	\$345,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14535	80	TECHNICAL ASSISTANCE, IMPLEMENTATION & OUTREACH SUPPORT FOR CARL MOYER PROGRAM	CLEAN FUEL CONNECTION INC	\$200,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14536	81	PROVIDE TECHNICAL ASSISTANCE FOR THE PROP 1B GOODS MOVEMENT PROGRAM	CLEAN FUEL CONNECTION INC	\$150,000.00	
08	LEGAL	C14681	01	OFFICE OF GENERAL COUNSEL CASE MANAGEMENT SYSTEM	COURTVIEW JUSTICE SOLUTIONS, INC	\$238,130.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13201	80	PURCHASE 2 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	ABC UNIFIED SCHOOL DISTRICT	\$351,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13202	80	PURCHASE 1 CNG SCHOOL BUS WITH FIRE SUPPRESSION SYSTEM AND ASSOCIATED INFRASTRUCTURE	ALHAMBRA UNIFIED SCHOOL DISTRICT	\$175,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13203	80	PURCHASE 1 CNG SCHOOL BUS WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	BANNING UNIFIED SCHOOL DISTRICT	\$175,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13204	80,33	PURCHASE 4 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	BEAR VALLEY UNIFIED SCHOOL DISTRICT	\$756,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13205	80	PURCHASE 3 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	BEAUMONT UNIFIED SCHOOL DISTRICT	\$526,500.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13206	80	PURCHASE 1 CNG SCHOOL BUS WITH FIRE SUPPRESSION SYSTEM AND ASSOCIATED INFRASTRUCTURE	BONITA UNIFIED SCHOOL DISTRICT	\$175,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13207	80	PURCHASE 9 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	CHAFFEY JOINT UNION HIGH SCHOOL DISTRICT	\$1,579,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13208	80	PURCHASE 4 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	COLTON JOINT UNIFIED SCHOOL DISTRICT	\$702,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13209	80	PURCHASE 2 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	CYPRESS SCHOOL DISTRICT	\$351,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13210	80	PURCHASE 6 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	DOWNEY UNIFIED SCHOOL DISTRICT	\$1,053,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13211	80	PURCHASE 16 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	FULLERTON SCHOOL DISTRICT	\$2,072,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13212	80	PURCHASE 6 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	FULLERTON JOINT UNION HIGH SCHOOL DIST	\$1,053,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13213	80	PURCHASE 3 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	HUNTINGTON BEACH UNION HS DISTRICT	\$526,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13214	80	PURCHASE 7 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	HEMET UNIFIED SCHOOL DISTRICT	\$1,228,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13215	80	PURCHASE 4 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	LA HABRA CITY SCHOOL DISTRICT	\$702,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13216	80	PURCHASE 9 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	LAKE ELSINORE UNIFIED SCHOOL DISTRICT	\$1,579,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13217	80	PURCHASE 5 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	MONTEBELLO UNIFIED SCHOOL DISTRICT	\$877,500.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13218	80	PURCHASE 10 CNG SCHOOL BUSES WITH FIRE SUPPRESSANT SYSTEMS AND ASSOCIATED INFRASTRUCTURE	MURRIETA VALLEY USD	\$1,755,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13219	80	PURCHASE 8 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	NEWPORT-MESA UNIFIED SCHOOL DISTRICT	\$1,404,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13220	80	PURCHASE 8 CNG SCHOOL BUSES WITH FIRE SUPPRESSANT SYSTEMS AND ASSOCIATED INFRASTRUCTURE	OCEAN VIEW SCHOOL DISTRICT	\$1,404,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13221	80	PURCHASE 11 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	ONTARIO-MONTCLAIR SCHOOL DISTRICT	\$1,930,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13222	80	PURCHASE 3 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEM AND ASSOCIATED INFRASTRUCTURE	ORANGE UNIFIED SCHOOL DISTRICT	\$526,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13223	80	PURCHASE 4 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	PLACENTIA-YORBA LINDA UNIFIED SCH DIST	\$702,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13224	80	PURCHASE 4 CNG AND 5 PROPANE SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	PUPIL TRANSPORTATION COOPERATIVE	\$1,349,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13225	80	PURCHASE 15 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	REDLANDS UNIFIED SCHOOL DISTRICT	\$2,632,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13226	80	PURCHASE 16 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	RIALTO UNIFIED SCHOOL DISTRICT	\$2,808,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13227	80,33	PURCHASE 1 CNG SCHOOL BUS WITH FIRE SUPPRESSION SYSTEM AND ASSOCIATED INFRASTRUCTURE	RIM OF THE WORLD UNIFIED SCHOOL DISTRICT	\$189,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13228	80	PURCHASE 5 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	ROWLAND UNIFIED SCHOOL DISTRICT	\$877,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13229	80	PURCHASE 5 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	TEMECULA VALLEY UNIFIED SCHOOL DISTRICT	\$877,500.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13230	80	PURCHASE 4 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	TORRANCE UNIFIED SCHOOL DISTRICT	\$702,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13231	80	PURCHASE 6 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	UPLAND UNIFIED SCHOOL DISTRICT	\$1,053,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13232	80	PURCHASE 5 CNG SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	WALNUT VALLEY UNIFIED SCHOOL DISTRICT	\$877,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13234	80	INSTALL 1 PM TRAP ON 1 SCHOOL BUS	BEAUMONT UNIFIED SCHOOL DISTRICT	\$20,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13235	80	INSTALL 1 PM TRAP ON 1 SCHOOL BUS	CYPRESS SCHOOL DISTRICT	\$20,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13236	80	INSTALL 3 PM TRAPS ON 3 SCHOOL BUSES	LA HABRA CITY SCHOOL DISTRICT	\$60,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13237	80	INSTALL 5 PM TRAPS ON 5 SCHOOL BUSES	ONTARIO-MONTCLAIR SCHOOL DISTRICT	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13238	80	INSTALL 1 PM TRAP ON 1 SCHOOL BUS	RIVERSIDE COUNTY OFFICE OF EDUCATION	\$20,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13239	80	INSTALL 7 PM TRAPS ON 7 SCHOOL BUSES	SANTA MONICA-MALIBU UNIFIED SCHOOL DIST	\$140,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13241	80	INSTALL 1 PM TRAP ON 1 SCHOOL BUS	JFK TRANSPORTATION CO., INC.	\$20,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13242	80	INSTALL 6 PM TRAPS ON 6 SCHOOL BUSES	PACIFIC COACHWAYS CHARTER SERVICES, INC.	\$120,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13243	80	INSTALL 23 PM TRAPS ON SCHOOL BUSES	TUMBLEWEED TRANSPORTATION	\$460,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G13269	80	REPLACE 2 CNG FUEL TANKS ON 2 SCHOOL BUSES	PUPIL TRANSPORTATION COOPERATIVE	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G14045	80	INSTALL 3 REPLACEMENT CNG TANKS ON SCHOOL BUSES	RIALTO UNIFIED SCHOOL DISTRICT	\$60,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G14047	80	INSTALL 1 REPLACEMENT CNG TANK ON 1 SCHOOL BUS	CHAFFEY JOINT UNION HIGH SCHOOL DISTRICT	\$20,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G14048	80	REPLACE 5 CNG TANKS ON 5 SCHOOL BUSES	COVINA VALLEY UNIFIED SCHOOL DISTRICT	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G14063	80	PURCHASE 55 CNG AND 15 PROPANE FUELED SCHOOL BUSES WITH FIRE SUPPRESSION SYSTEMS AND ASSOCIATED INFRASTRUCTURE	LOS ANGELES UNIFIED SCHOOL DISTRICT	\$11,595,000.00	

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44	MSRC	ML11025	23	PURCHASE 5 HEAVY-DUTY CNG VEHICLES	COUNTY OF LOS ANGELES	\$150,000.00	
44	MSRC	ML12014	23	PURCHASE CNG & LPG FUELED VEHICLES, EXPAND EXISTING CNG FUELING STATION AND INSTALL ELECTRIC CHARGING STATIONS	CITY OF SANTA ANA	\$384,000.00	
44	MSRC	ML12017	23	PURCHASE 32 HEAVY-DUTY NATURAL GAS VEHICLES	CITY OF LOS ANGELES	\$950,000.00	
44	MSRC	ML12018	23	EXPAND CNG STATION	CITY OF WEST COVINA	\$300,000.00	
44	MSRC	ML12019	23	ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	CITY OF PALM SPRINGS	\$38,000.00	
44	MSRC	ML12022	23	PURCHASE TWO MEDIUM-DUTY CNG AND THREE HEAVY-DUTY LPG VEHICLES	CITY OF LA PUENTE	\$110,000.00	
44	MSRC	ML12023	23	INSTALL EV CHARGING INFRASTRUCTURE	COUNTY OF LOS ANGELES	\$250,000.00	
44	MSRC	ML12041	23	ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	CITY OF ANAHEIM	\$68,977.00	
44	MSRC	ML12043	23	PURCHASE 2 HEAVY DUTY CNG VEHICLES	CITY OF HEMET	\$60,000.00	
44	MSRC	ML12045	23	INSTALL CNG STATION	CITY OF BALDWIN PARK	\$400,000.00	
44	MSRC	ML12046	23	PURCHASE ONE HEAVY-DUTY CNG VEHICLE	CITY OF IRVINE	\$30,000.00	
44	MSRC	ML12051	23	ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	CITY OF BELLFLOWER	\$270,000.00	
44	MSRC	ML12054	23	ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	CITY OF PALM DESERT	\$77,385.00	
44	MSRC	ML12057	23	PURCHASE HEAVY-DUTY CNG VEHICLE AND REGIONAL STREET SWEEPING	CITY OF COACHELLA	\$57,456.00	
44	MSRC	ML12066	23	ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	CITY OF MANHATTAN BEACH	\$5,900.00	
44	MSRC	ML14015	23	REGIONAL PM10 STREET SWEEPING PROGRAM	COACHELLA VALLEY ASSOC OF GOVERNMENTS	\$250,000.00	
44	MSRC	MS10015	23	PURCHASE 2 TRUCKS EQUIPPED WITH ADVANCED NG ENGINES	COUNTY OF LOS ANGELES	\$37,955.00	
44	MSRC	MS11008	23	EXPAND LNG FUELING STATION	USA WASTE OF CALIFORNIA INC	\$125,000.00	
44	MSRC	MS11009	23	EXPAND LNG FUELING STATION	WASTE MANAGEMENT COLLECTION & RECYCLING	\$125,000.00	
44	MSRC	MS11085	23	DEMONSTRATE RETROFIT DEVICES ON OFF-ROAD VEHICLES	CITY OF LONG BEACH	\$159,012.00	

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44	MSRC	MS12004	23	INSTALL NEW CNG FUELING STATION AND MAINTENANCE FACILITY MODIFICATIONS	USA WASTE OF CALIFORNIA INC	\$175,000.00	
44	MSRC	MS12008	23	INSTALL NEW CNG FUELING STATION	BONITA UNIFIED SCHOOL DISTRICT	\$175,000.00	
44	MSRC	MS12009	23	NEW LNG STATION-RIVERSIDE	SYSCO FOOD SERVICES OF LOS ANGELES INC	\$150,000.00	
44	MSRC	MS12011	23	NEW PUBLIC ACCESS CNG STATION-PICO RIVERA	SOUTHERN CALIFORNIA GAS COMPANY	\$150,000.00	
44	MSRC	MS12024	23	INSTALL A CNG FUELING STATION IN MURRIETA	SOUTHERN CALIFORNIA GAS COMPANY	\$150,000.00	
44	MSRC	MS12060	23	IMPLEMENT WESTSIDE BIKESHARE PROGRAM	CITY OF SANTA MONICA	\$500,000.00	
44	MSRC	MS12061	23	IMPLEMENT BIKESHARE PROGRAM IN FULLERTON	ORANGE CO TRANSPORTATION AUTHORITY	\$224,000.00	
44	MSRC	MS12063	23	INSTALL A CNG FUELING STATION IN CITY OF INDUSTRY	CUSTOM ALLOY LIGHT METALS	\$100,000.00	
44	MSRC	MS12065	23	IMPLEMENT SPECIAL BUS SERVICE TO HONDA CENTER	ORANGE CO TRANSPORTATION AUTHORITY	\$26,673.00	
44	MSRC	MS12067	23	DEMONSTRATE RETROFIT DEVICES ON OFF-ROAD VEHICLES	LEATHERWOOD CONSTRUCTION, INC	\$122,719.00	
44	MSRC	MS12069	23	IMPLEMENT SPECIAL TRANSIT SERVICE TO SOLAR DECATHLON	CITY OF IRVINE	\$45,000.00	
44	MSRC	MS12073	23	INSTALL A CNG FUELING STATION IN LAKE FOREST	FIRSTCNG, LLC	\$150,000.00	
44	MSRC	MS12074	23	EXPAND EXISTING CNG FUELING STATION	ARCADIA UNIFIED SCHOOL DISTRICT	\$175,000.00	
44	MSRC	MS12075	23	EXPAND CNG STATION	CR&R INC	\$100,000.00	
44	MSRC	MS12077	23	INSTALL CNG FUELING STATION	CITY OF COACHELLA	\$225,000.00	
44	MSRC	MS12078	23	MAINTENANCE FACILITY MODIFICATIONS (VERNON)	PENSKE TRUCK LEASING CO LP	\$75,000.00	
44	MSRC	MS12079	23	MAINTENANCE FACILITY MODIFICATIONS (BOYLE HEIGHTS)	PENSKE TRUCK LEASING CO LP	\$75,000.00	
44	MSRC	MS12080	23	EXPAND CNG STATION	CITY OF PASADENA	\$225,000.00	
44	MSRC	MS12081	23	MAINTENANCE FACILITY MODIFICATIONS (SANTA ANA)	PENSKE TRUCK LEASING CO LP	\$75,000.00	
44	MSRC	MS12082	23	CONSTRUCT A NEW LIMITED ACCESS CNG FUELING STATION AND OPERATE STATION FOR 5 YEARS	CITY OF LOS ANGELES	\$175,000.00	

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44	MSRC	MS12084	23	NEW CNG FUELING STATION IN ONTARIO, CALIFORNIA	AIRPORT MOBIL, INC	\$150,000.00	
44	MSRC	MS14002	23	IMPLEMENT EXPRESS BUS SERVICE TO ORANGE COUNTY FAIR	ORANGE CO TRANSPORTATION AUTHORITY	\$576,833.00	
44	MSRC	MS14003	23	IMPLEMENT SPECIAL METROLINK SERVICE TO ANGEL STADIUM	ORANGE CO TRANSPORTATION AUTHORITY	\$194,235.00	
44	MSRC	MS14004	23	IMPLEMENT EXPRESS BUS SERVICE TO SOLAR DECATHLON	ORANGE CO TRANSPORTATION AUTHORITY	\$36,800.00	
44	MSRC	MS14005	23	IMPLEMENT EXPANDED SHUTTLE SERVICE TO HOLLYWOOD BOWL	TRANSIT SYSTEMS UNLIMITED, INC.	\$515,200.00	
44	MSRC	MS14006	23	TECHNICAL ADVISOR SERVICES FOR THE MSRC	RAYMOND GORSKI	\$294,700.00	
44	MSRC	MS14007	23	IMPLEMENT SPECIAL METROLINK SERVICE TO ANGEL STADIUM	ORANGE CO TRANSPORTATION AUTHORITY	\$208,520.00	
44	MSRC	MS14009	23	BUY-DOWN THE COST OF ALTERNATIVE FUEL SCHOOL BUSES	A-Z BUS SALES, INC.	\$36,000.00	
44	MSRC	MS14042	23	EXPAND PUBLIC ACCESS CNG FUELING STATION	GRAND CENTRAL RECYLING & TRANSFER STATION	\$150,000.00	
44	MSRC	MS14044	23	INSTALL PUBLIC ACCESS CNG STATION IN SANTA ANA	TIMCO CNG FUND I, LLC	\$150,000.00	
44	MSRC	MS14045	23	INSTALL PUBLIC ACCESS CNG STATION IN INGLEWOOD	TIMCO CNG FUND I, LLC	\$150,000.00	
44	MSRC	MS14047	23	IMPLEMENT SPECIAL METROLINK SERVICE TO AUTO CLUB SPEEDWAY	SO CALIFORNIA REGIONAL RAIL AUTHORITY	\$49,203.00	
44	MSRC	MS14048	23	BUY DOWN THE COST OF ALTERNATIVE FUELED SCHOOL BUSES	BUSWEST, LLC	\$62,000.00	
Subtotal						\$191,432,107.00	

Competitive-Executive Officer Approved

44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14046	01	CONDUCT PM NETWORK PERFORMANCE AND SYSTEM EVALUATION PROGRAM	TECHNICAL AND BUSINESS SYSTEMS	\$42,176.00	
16	ADMINISTRATIVE & HUMAN RESOURCES	C14235	01	ELEVATOR CAB INTERIOR REFURBISHMENT	WEST COAST ELEVATOR CAB INTERIORS, INC.	\$63,550.00	
27	INFORMATION MANAGEMENT	C14254	01	PHONE SWITCH MAINTENANCE SERVICES	BLACK BOX NETWORK SERVICES	\$50,347.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14323	01	LEASE 2 CHEVY VOLT VEHICLES	SELMAN CHEVROLET COMPANY	\$30,931.88	

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16	ADMINISTRATIVE & HUMAN RESOURCES	C14669	01	REPLACEMENT OF THE 2 TON HVAC UNIT AND ROOM MODIFICATION FOR THE PM 2.5 ROOM	KLM, INC	\$69,430.00	
16	ADMINISTRATIVE & HUMAN RESOURCES	C14670	01	CLASSIFICATION AND COMPENSATION SERVICES	KOFF & ASSOCIATES, INC.	\$30,000.00	
Subtotal						\$286,434.88	
Sole Source - Board Approved							
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12899	32	DEMO OF THE MOBICLEAN COMBINED DPF & SCR TECHNOLOGY ON A COMMERCIAL HARBOR VESSEL	HUG ENGINEERING, INC	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13058	31	DEVELOPMENT OF MICROTURBINE SERIES HYBRID SYSTEM FOR CLASS 7 HEAVY-DUTY VEHICLE APPLICATION	CAPSTONE TURBINE CORPORATION	\$360,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13391	32	OPERATE 1 MARINE VESSEL PREVIOUSLY PAID TO SEA HORSE SPORTSFISHING	SOO KYUNG LEE	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13401	31	DEMONSTRATE NATURAL GAS-POWERED PARKING LOT SWEEPER VEHICLE	NITE-HAWK SWEEPERS, LLC.	\$90,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13402	31	COSPONSOR NEXT SUSTAINABLE TRANSPORTATION ENERGY PATHWAYS (STEPS) PROGRAM	UNIVERSITY OF CALIFORNIA-DAVIS	\$120,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13404	01	LEASE 2 HONDA FIT EVS	PENSKE HONDA ONTARIO	\$30,513.60	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13408	31	DEMONSTRATION OF BUILDING INTEGRATION OF ELECTRIC VEHICLES, PHOTOVOLTAICS, AND STATIONARY FUEL CELLS	UNIVERSITY OF CALIFORNIA - IRVINE	\$150,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13418	31	SO CAL IEV INFRASTRUCTURE MOA	CITY OF CLAREMONT	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13419	31	SO CAL IEV INFRASTRUCTURE MOA	CALIFORNIA STATE UNIVERSITY-LOS ANGELES	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13420	31	SO CAL IEV INFRASTRUCTURE MOA	UNIVERSITY OF CALIFORNIA - IRVINE	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13421	31	SO CAL IEV INFRASTRUCTURE MOA	COUNTY OF LOS ANGELES	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13422	31	SO CAL IEV INFRASTRUCTURE MOA	DEPARTMENT OF WATER & POWER	\$0.00	1

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DEPT ID	DEPT NAME	CONTRACT NUMBER	FUND CODE	DESCRIPTION	VENDOR NAME	CONTRACT AMOUNT	FOOT NOTE
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13433	61	DEVELOP AND DEMONSTRATE TWO CLAS 8 ZERO-EMISSION ELECTRIC TRUCKS - FIRST INVOICE PER NANCY COLE 3/26/2014	US HYBRID CORPORATION	\$943,810.00	
26	PLANNING RULE DEV & AREA SOURCES	C14021	17	PROVIDE VIRTUALPAINT TRAINING FOR EPA TARGETED AIRSHED GRANT	UNIVERSITY OF NORTHERN IOWA	\$14,358.47	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14038	32	OPERATE ONE REPOWERED VESSEL PREVIOUSLY PAID TO MARK PODOLL	DAVERY FISHERIES, LLC	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14041	81	TECHNICAL ASSISTANCE FOR THE PROPOSITION 1B GOODS MOVEMENT PROGRAM	CLEAN FUEL CONNECTION INC	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14059	61	DEVELOP & DEMONSTRATE 3 CLASS 8 ZERO-EMISSION ELECTRIC TRUCKS	BALQON CORPORATION	\$925,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14060	61	DEVELOP & DEMONSTRATE 4 CLASS 8 ZERO-EMISSION FUEL CELL HYBRID TRUCKS	VISION INDUSTRIES	\$958,120.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14061	44	CONDUCT PILOT STUDY OF NEW APPLICATION OF REMOTE SENSING TECHNOLOGY	FLUXSENSE AB	\$50,000.00	
08	LEGAL	C14066	01	CONSULTING SERVICES FOR PLANNING, FIELD TESTING, CONCEPTUAL FLOW MODEL, AND CONCEPTUAL DESIGN OF LANDFILL	RAMIN YAZDANI	\$30,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14067	31	DEVELOP HYDROGEN STORAGE CAPABILITY FOR THE GAS-BLENDING FACILITY	UNIVERSITY OF CALIFORNIA - IRVINE	\$200,000.00	
08	LEGAL	C14068	01	EVALUATE GAS GENERATION CHARACTERISTICS OF THE SUNSHINE CANYON LANDFILL IN SYLMAR, CALIFORNIA	HYDRO GEO CHEM, INC.	\$178,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14074	31	SO CAL IEV INFRASTRUCTURE MOA	CITY OF SANTA MONICA	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14095	31	SO CAL IEV INFRASTRUCTURE MOA	CITY OF COVINA	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14137	32	PROVIDE TECHNICAL ASSISTANCE FOR THE CARL MOYER AND VIP PROGRAMS	CLEAN FUEL CONNECTION INC	\$80,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14138	81	PROVIDE TECHNICAL ASSISTANCE WITH THE PROP 1B GOODS MOVEMENT PROGRAM	GLADSTEIN, NEANDROSS & ASSOCIATES	\$150,000.00	
04	FINANCE	C14150	57	CITY OF EL MONTE LAMBERT PARK PROJECT	CITY OF EL MONTE	\$1,100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14153	31	SO CAL IEV INFRASTRUCTURE MOA	UNIVERSITY OF CALIFORNIA-SANTA BARBARA	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14154	01	UPGRADE METEOROLOGICAL SYSTEMS AND DATA COMMUNICATIONS	TECHNICAL AND BUSINESS SYSTEMS	\$40,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14162	31	UTILIZATION OF FLEET DNA APPROACH & CAPABILITIES TO PROVIDE VEHICLE VOCATIONAL ANALYSIS IN SCAQMD	NATIONAL RENEWABLE ENERGY LAB	\$174,985.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14164	17	CAFCP TECHNICAL CONSULTANT FOR CREATION OF HYDROGEN INFRASTRUCTURE BEST PRACTICES GUIDELINES	BEVILACQUA-KNIGHT INC	\$70,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14170	27	PROMOTION OF THE 2014 MOW DOWN POLLUTION LAWN MOWER EXCHANGE PROGRAM	WESTBOUND COMMUNICATIONS INC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14193	58	WEATHERIZATION PROPERTY INSPECTIONS	KLIEWER & ASSOCIATES	\$60,300.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14195	81	TECHNICAL ASSISTANCE WITH PROP 1B - GOODS MOVEMENT PROGRAM	TETRA TECH INC	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14199	31	SO CAL IEV INFRASTRUCTURE MOA	CLEAN FUEL CONNECTION INC	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14201	31	SO CAL IEV INFRASTRUCTURE MOA	CAL STATE UNIVERSITY - SAN BERNARDINO	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14202	31	SO CAL IEV INFRASTRUCTURE MOA	ADOPT A CHARGER, INC.	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14209	31	SO CAL IEV INFRASTRUCTURE MOA	CAL STATE POLYTECHNIC UNIVERSITY-POMONA	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14217	32	TECHNICAL ASSISTANCE FOR THE VOUCHER INCENTIVE PROGRAM (VIP)	GLADSTEIN, NEANDROSS & ASSOCIATES	\$150,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14222	31	DEVELOP PLUG-IN HYBRID ELECTRIC RETROFIT SYSTEM FOR CLASS 6 TO 8 WORK TRUCKS	ODYNE SYSTEMS, LLC	\$389,000.00	

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14224	31	DEVELOP AND TEST RETROFIT ALL-ELECTRIC TRANSIT BUS	COMPLETE COACH WORKS	\$395,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14236	31	SO CAL IEV INFRASTRUCTURE MOA	CALIFORNIA STATE UNIVERSITY, FULLERTON	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14255	33	DEVELOP AND DEMONSTRATE V2G TECHNOLOGY	TORRANCE UNIFIED SCHOOL DISTRICT	\$456,552.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14337	64	RULE 1420.1 MULTI-METALS CEMS DEMONSTRATION PROGRAM	COOPER ENVIRONMENTAL SERVICES, LLC	\$398,050.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14513	17	DEMONSTRATION OF BARGE MOUNTED AMECS FOR OCEAN-GOING VESSELS WHILE BERTHED	ADVANCED CLEANUP TECHNOLOGIES INC	\$639,444.00	
44	MSRC	MS12087	23	IMPLEMENT UPDATED METRO REWARDS INCENTIVE PROGRAM	LOS ANGELES COUNTY METROPOLITAN	\$125,000.00	
44	MSRC	MS12088	23	DESIGN, MARKET AND IMPLEMENT AN EXPANDED "SHARE THE RIDE INCENTIVE PROGRAM"	ORANGE CO TRANSPORTATION AUTHORITY	\$125,000.00	
44	MSRC	MS12089	23	IMPLEMENT EXPANDED RIDESHARE INCENTIVE PROGRAMS	RIVERSIDE COUNTY TRANSPORTATION COMM	\$249,136.00	
Subtotal						\$9,002,269.07	
Sole Source - Executive Officer Approved							
27	INFORMATION MANAGEMENT	C14049	01	CONTACT DATABASE OF EMAIL ADDRESSES-REFRESHED LARGE EMAIL LIST	CHMB CONSULTING FIRM	\$74,800.00	
08	LEGAL	C14069	01	LEGAL ADVICE AND REPRESENTATION TO SCAQMD IN THE BANKRUPTCY MATTER OF EXIDE TECHNOLOGIES, INC.	WERB & SULLIVAN	\$30,000.00	
08	LEGAL	C14147	01	PROVIDE EXPERT CONSULTING SERVICES CONCERNING RAILROAD ISSUES	RAILEX, INC.	\$5,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14156	01	LEASE 3 PHEV VEHICLES	GALPIN FORD	\$49,298.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14160	01	REV. DR. MARTIN LUTHER KING JR. DAY OF SERVICE FORUM	SNAP PRODUCTION	\$6,500.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14163	01	PROVIDE SPEAKER SERVICES FOR DR. MARTIN LUTHER KING - DAY OF SERVICE FORUM	DONZALEIGH ABERNATHY	\$3,500.00	

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35	LEGISLATIVE & PUBLIC AFFAIRS	C14175	01	ENTERTAINMENT SERVICES AT SCAQMD'S MLK DAY OF SERVICE PUBLIC FORUM	DEBORAH JOYCE	\$2,500.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14179	01	PROVIDE MASTER OF CEREMONIES SERVICE AT THE DR. MARTIN LUTHER KING DAY OF SERVICE FORUM	WESLEY HALL	\$400.00	
08	LEGAL	C14187	01	PROVIDE LEGAL ASSISTANCE WITH RULE 444 AMENDMENT	GAINES & STACEY, LLP	\$2,500.00	
08	LEGAL	C14191	01	PROVIDE LEGAL SERVICES CONCERNING EXIDE BANKRUPTCY PROCEEDINGS	KLEE, TUCHIN. BOGDANOFF & STERN LLP	\$75,000.00	
08	LEGAL	C14198	01	COUNSEL RAILROAD LITIGATION	SLOVER & LOFTUS	\$15,000.00	
08	LEGAL	C14211	01	LEGAL ADVICE RELATED TO SUBMISSION TO THE SURFACE TRANSPORTATION BOARD (STB) IN RESPONSE TO EPA'S REQUEST FOR DECLARATORY RULING	WILMER CUTLER PICKERING HALE & DORR LLP	\$50,000.00	
08	LEGAL	C14214	01	EXPERT WITNESS/CONSULTANT	STEVEN E. GUFFEY	\$20,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14237	01	ORGANIZE AND IMPLEMENT SCAQMD ENVIRONMENTAL JUSTICE	MARIA ROBLES	\$65,000.00	
27	INFORMATION MANAGEMENT	C14325	01	PERFORM FINAL SITE REVIEW OF NEW SCAQMD WEBSITE	ONYX CONCEPTS	\$6,000.00	
26	PLANNING RULE DEV & AREA SOURCES	C14421	01	REVIEW OF SCIENTIFIC LITERATURE FOR RESPIRATORY IRRITATIONS, NOSEBLEEDS, AND ODORS IN CHILDREN FROM AIR POLLUTANTS	UNIVERSITY OF CALIFORNIA-LOS ANGELES	\$22,339.00	
26	PLANNING RULE DEV & AREA SOURCES	C14567	01	DIRECT MEASUREMENT OF OZONE SENSITIVITY TO NOX AND VOC CONCENTRATIONS IN CALIFORNIA FOR COMPARISON TO MODEL PREDICTION	UNIVERSITY OF CALIFORNIA-DAVIS	\$49,982.00	
Subtotal						\$477,819.00	

II. OTHER

Board Assistant

Board Administrative Committee Reviewed/Executive Officer Approved

02	GOVERNING BOARD	C14000	01	BOARD ASSISTANT SERVICES FOR MICHAEL ANTONOVICH	DEBRA S MENDELSON	\$37,707.00	16
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02	GOVERNING BOARD	C14001	01	BOARD ASSISTANT SERVICES FOR BEN BENOIT	WESTERN RIVERSIDE COUNCIL OF GOVERNMENT	\$37,707.00	16
02	GOVERNING BOARD	C14002	01	BOARD ASSISTANT SERVICES FOR JOHN BENOIT	BUFORD A CRITES	\$37,707.00	16
02	GOVERNING BOARD	C14003	01	BOARD ASSISTANT SERVICES FOR DR. WILLIAM BURKE	SARAH EWELL	\$113,121.00	16
02	GOVERNING BOARD	C14004	01	BOARD ASSISTANT SERVICES FOR JOSIE GONZALES	COUNTY OF SAN BERNARDINO	\$37,707.00	16
02	GOVERNING BOARD	C14005	01	BOARD ASSISTANT SERVICES FOR JOSEPH LYOU	MARK ABRAMOWITZ	\$30,000.00	16
02	GOVERNING BOARD	C14006	01	BOARD ASSISTANT SERVICES FOR JOSEPH LYOU	NICOLE NISHIMURA	\$7,707.00	16
02	GOVERNING BOARD	C14007	01	BOARD ASSISTANT SERVICES FOR JUDITH MITCHELL	MARISA KRISTINE PEREZ	\$37,707.00	16
02	GOVERNING BOARD	C14008	01	BOARD ASSISTANT SERVICES FOR SHAWN NELSON	INFRASTRUCTURE GROUP, INC	\$37,707.00	16
02	GOVERNING BOARD	C14009	01	BOARD ASSISTANT SERVICES FOR CLARKE PARKER	MARIA INIGUEZ	\$37,707.00	16
02	GOVERNING BOARD	C14010	01	BOARD ASSISTANT SERVICES FOR MIGUEL PULIDO	LUIS A PULIDO	\$37,707.00	16
02	GOVERNING BOARD	C14011	01	BOARD ASSISTANT SERVICES FOR DENNIS YATES	EARL C ELROD	\$56,560.44	16
02	GOVERNING BOARD	C14012	01	BOARD ASSISTANT SERVICES FOR DENNIS YATES	ROBERT ULLOA	\$56,560.44	16
02	GOVERNING BOARD	C14013	01	BOARD ASSISTANT SERVICES FOR JAN PERRY	EVA KANDARPA BEHREND	\$1,333.32	16
02	GOVERNING BOARD	C14014	01	BOARD ASSISTANT SERVICES FOR MICHAEL CACCIOTTI	FRANK CARDENAS AND ASSOCIATES	\$6,576.00	16
02	GOVERNING BOARD	C14015	01	BOARD ASSISTANT SERVICES FOR JAN PERRY	JEFF CATALANO	\$4,951.16	16
02	GOVERNING BOARD	C14016	01	BOARD ASSISTANT SERVICES FOR MICHAEL CACCIOTTI	ALLIS ANN DRUFFEL	\$3,288.00	16
02	GOVERNING BOARD	C14017	01	BOARD ASSISTANT SERVICES FOR MICHAEL CACCIOTTI	JAMES GLEN DUNCAN	\$9,059.44	16
02	GOVERNING BOARD	C14018	01	BOARD ASSISTANT SERVICES FOR MICHAEL CACCIOTTI	WILLIAM GLAZIER	\$6,657.00	16
02	GOVERNING BOARD	C14019	01	BOARD ASSISTANT SERVICES FOR MICHAEL CACCIOTTI	RONALD KETCHAM	\$12,124.00	16
02	GOVERNING BOARD	C14023	01	BOARD ASSISTANT SERVICES FOR JUDITH MITCHELL	CHUNG S. LIU	\$18,853.50	16

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02	GOVERNING BOARD	C14134	01	BOARD ASSISTANT SERVICES FOR JOE BUSCAINO	JACOB LEE HAIK	\$31,422.50	16
02	GOVERNING BOARD	C14212	01	BOARD ASSISTANT SERVICES FOR MICHAEL CACCIOTTI	SHO TAY	\$1,370.00	16
02	GOVERNING BOARD	C14234	01	BOARD ASSISTANT SERVICES FOR DR. WILLIAM BURKE	P & L CONSULTING, LLC	\$37,707.00	16
Subtotal						\$698,946.80	
Other - Executive Officer Approved							
16	ADMINISTRATIVE & HUMAN RESOURCES	C13167	01	COMMERCIAL REAL ESTATE BROKER	COMPREHENSIVE REAL ESTATE SERVICES	\$0.00	2
16	ADMINISTRATIVE & HUMAN RESOURCES	C13399	01	H2S SALTON SEA MONITORING STATION	IMPERIAL IRRIGATION DISTRICT	\$0.00	9
16	ADMINISTRATIVE & HUMAN RESOURCES	C13427	01	INSURANCE CONSLUTANT/BROKER SERVICES	MERCER	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13439	01	MOU FOR ZERO EMISSION GOODS MOVEMENT PROJECT	CITY OF CARSON	\$0.00	1
26	PLANNING RULE DEV & AREA SOURCES	C14028	01	UPPER AIR STATION ONTARIO AIRPORT	CITY OF LOS ANGELES	\$0.00	9
16	ADMINISTRATIVE & HUMAN RESOURCES	C14029	01	PARAMOUNT AIR MONITORING STATION	MOBILE RELAY ASSOCIATES	\$0.00	9
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14053	01	PHEV FLEET PARTICIPANT AGREEMENT	EPRI	\$0.00	1
16	ADMINISTRATIVE & HUMAN RESOURCES	C14057	01	ANAHEIM AIR MONITORING STATION - 5 YEAR LICENSE AGREEMENT	CHARLES HANCE	\$57,442.80	
16	ADMINISTRATIVE & HUMAN RESOURCES	C14058	01	RIVERSIDE AIR MONITORING STATION - 5 YEAR LICENSE AGREEMENT	RIVERSIDE CENTER FOR BEHAVIORAL MEDICINE	\$18,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14073	01	MOA FOR AIR FILTRATION INSTALL	FIRST ASSEMBLY OF GOD	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14165	01	AIR MONITORING STATION AT VALLEY VIEW ELEMENTARY	DUARTE UNIFIED SCHOOL DISTRICT	\$0.00	9
15	ADMINISTRATIVE & HUMAN RESOURCES	C14220	01	LONG BEACH AIR MONITORING STATION	ERNST & HAAS MANAGEMENT CO., INC.	\$0.00	9
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14355	01	DESERT HOT SPRINGS AIR MONITORING STATION	MISSION SPRINGS WATER DISTRICT	\$3,000.00	
Subtotal						\$78,442.80	

III. SPONSORSHIPS

Sponsorship -Executive Officer Approved

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13415	01	CO-SPONSOR THE ASILOMAR 2013 CONFERENCE ON TRANSPORTATION AND ENERGY POLICY	UNIVERSITY OF CALIFORNIA- DAVIS	\$30,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14196	01	CO-SPONSOR CALIFORNIA BLACK VETERANS SUMMIT	BLACK CHAMBER OF COMMERCE- ORANGE CO	\$5,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14203	01	12TH ANNUAL CHINO CORN FEED RUN	KIWANIS CLUB OF CHINO	\$2,500.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14215	01	SPONSORSHIP OF THE DAIRYAIR 5K RUN	CHINO YOUTH MUSEUM	\$1,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14221	01	30TH ANNUAL SAN BERNARDINO CITY- COUNTY CONFERENCE	SAN BERNARDINO ASSOCIATED GOVERNMENTS	\$5,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14316	01	STEM YOUTH LEADERSHIP CONFERENCE SPONSORSHIP	OMEGA PSI PHI FRATERNITY, INC.	\$1,500.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14319	01	SPONSORSHIP FOR THE SCAG 2014 REGIONAL CONFERENCE AND GENERAL ASSEMBLY	SOUTHERN CALIFORNIA ASSOCIATION OF GOVT	\$7,500.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14320	01	CALIFORNIA SCIENCE CENTER 16TH ANNUAL DISCOVERY BALL SPONSORSHIP	CALIFORNIA SCIENCE CENTER FOUNDATION	\$10,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14321	01	COMPTON JR. POSSE 7TH ANNUAL FUNDRAISER GALA	JR. POSSE YOUTH EQUESTRIAN PROGRAM	\$5,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14322	01	2ND ANNUAL COACHELLA VALLEY ENVIRONMENTAL LEADERSHIP SUMMIT SPONSORSHIP	COMITE CIVICO DEL VALLE, INC	\$2,500.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14512	01	SPONSORSHIP FOR A WHITE LINEN AFFAIR	REGALETTES, INC.	\$20,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14620	01	WRCOG 2014 GENERAL ASSEMBLY & LEADERSHIP ADDRESS PLATINUM SPONSORSHIP	WESTERN RIVERSIDE COUNCIL OF GOVERNMENT	\$10,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14621	01	CITY OF SOUTH PASADENA GREEN LIVING EXPO AND CONCERT SPONSORHIP	CITY OF PASADENA	\$3,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C14656	01	COSPONSOR CVAG GENERAL ASSEMBLY EVENT	COACHELLA VALLEY ASSOC OF GOVERNMENTS	\$1,500.00	
Subtotal						\$104,500.00	

IV. MODIFICATIONS
Board Approved

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08	LEGAL	C10060	01	PROVIDE EMPLOYEE LITIGATION SERVICES	WILEY PRICE & RADULOVICH	\$75,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10061	31	MAINTENANCE AND DATA MANAGEMENT FOR THE AQMD HYDROGEN FUELING STATION	HYDROGENICS CORPORATION	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10722	01	RE-ESTABLISH TESTING FACILITY & QUANTIFY PM EMISSION REDUCTIONS FROM CHARBROILING OPERATIONS	UNIVERSITY OF CALIFORNIA, RIVERSIDE	\$45,700.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11150	55	MAINTENANCE AND OPERATION OF CITY OF BURBANK HYDROGEN FUELING STATION	HYDROGEN FRONTIER, INC	\$275,000.00	
08	LEGAL	C11594	01	LEGAL REPRESENTATION	PERKINS COIE LLP	\$10,000.00	
08	LEGAL	C11594	01	LEGAL REPRESENTATION	PERKINS COIE LLP	\$400,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C11738	01	IMPLEMENTATION OF THE AIR QUALITY INSTITUTE (AQI)	CORDOBA CORPORATION	\$133,470.00	
08	LEGAL	C12075	01	ENVIRONMENTAL LAW	WOODRUFF SPRADLIN & SMART	\$100,000.00	
27	INFORMATION MANAGEMENT	C12151	01	CONTRACT FOR SYSTEMS DEVELOPMENT, MAINTENANCE AND SUPPORT SERVICES	SIERRA CYBERNETICS INC	\$172,500.00	
27	INFORMATION MANAGEMENT	C12151	01	CONTRACT FOR SYSTEMS DEVELOPMENT, MAINTENANCE AND SUPPORT SERVICES	SIERRA CYBERNETICS INC	\$200,000.00	
27	INFORMATION MANAGEMENT	C12157	01	SHORT AND LONG-TERM SYSTEMS DEVELOPMENT, MAINTENANCE AND SUPPORT SERVICES	PRELUDE SYSTEMS, INC.	\$87,500.00	
27	INFORMATION MANAGEMENT	C12157	01	SHORT AND LONG-TERM SYSTEMS DEVELOPMENT, MAINTENANCE AND SUPPORT SERVICES	PRELUDE SYSTEMS, INC.	\$94,800.00	
27	INFORMATION MANAGEMENT	C12188	01	SHORT AND LONG-TERM SYSTEMS DEVELOPMENT, MAINTENANCE & SUPPORT SERVICES	VARSUN ETECHNOLOGIES GROUP, INC	\$75,000.00	
27	INFORMATION MANAGEMENT	C12188	01	SHORT AND LONG-TERM SYSTEMS DEVELOPMENT, MAINTENANCE & SUPPORT SERVICES	VARSUN ETECHNOLOGIES GROUP, INC	\$124,260.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C12200	01	SACRAMENTO LEGISLATIVE REPRESENTATION	GONZALEZ, QUINTANA & HUNTER, LLC	\$48,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C12200	01	SACRAMENTO LEGISLATIVE REPRESENTATION	GONZALEZ, QUINTANA & HUNTER, LLC	\$119,070.00	

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35	LEGISLATIVE & PUBLIC AFFAIRS	C12201	01	SACRAMENTO LEGISLATIVE REPRESENTATION	JOE A GONSALVES & SON	\$123,248.00	
27	INFORMATION MANAGEMENT	C12285	01	SHORT AND LONG-TERM SYSTEMS DEVELOPMENT, MAINTENANCE AND SUPPORT SERVICES	CMC AMERICAS INC	\$25,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12297	58	TECHNICAL ASSISTANCE WITH PROP 1B GOODS MOVEMENT PROGRAM	CLEAN FUEL CONNECTION INC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12308	40	PERFORM WEBSITE SERVICES FOR THE CNGVP	GLADSTEIN, NEANDROSS & ASSOCIATES	\$12,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12679	32	PURCHASE UP TO 4,000 CORDLESS ELECTRIC LAWNMOWERS	BLACK & DECKER (US) INC	\$203,870.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12679	32	PURCHASE UP TO 4,000 CORDLESS ELECTRIC LAWNMOWERS	BLACK & DECKER (US) INC	\$290,000.00	
08	LEGAL	C12702	01	LEGAL ADVICE FOR LAWSUITS AND ADMINISTRATIVE PROCEEDINGS	SHUTE MIHALY & WEINBERGER LLP	\$10,000.00	
08	LEGAL	C12702	01	LEGAL ADVICE FOR LAWSUITS AND ADMINISTRATIVE PROCEEDINGS	SHUTE MIHALY & WEINBERGER LLP	\$75,000.00	
08	LEGAL	C12702	01	LEGAL ADVICE FOR LAWSUITS AND ADMINISTRATIVE PROCEEDINGS	SHUTE MIHALY & WEINBERGER LLP	\$75,000.00	
26	PLANNING RULE DEV & AREA SOURCES	C12841	01	DEVELOPMENT OF A NEW ANNUAL EMISSIONS REPORTING SYSTEM	ECOTEK INC	\$235,370.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12865	31	DEVELOPMENT OF QUANTITATIVE CELLULAR ASSAYS FOR USE IN UNDERSTANDING THE CHEMICAL BASIS OF AIR POLLUTANT TOXICITY	UNIVERSITY OF CALIFORNIA-LOS ANGELES	\$319,553.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13055	17	INSTALL AND MAINTAIN AIR FILTRATION SYSTEMS IN SAN BERNARDINO AND BOYLE HEIGHTS SCHOOLS	IQAIR NORTH AMERICA, INC.	\$118,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13190	32	REPLACE 1 DIESEL OFF-ROAD CONSTRUCTION VEHICLE	SUKUT CONSTRUCTION, INC.	\$789,813.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13194	17	PROVIDE TECHNICAL ASSISTANCE WITH ALTERNATIVE FUELS, RENEWABLE ENERGY AND ELECTRIC VEHICLES	CLEAN FUEL CONNECTION INC	\$35,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13198	17	TECHNICAL ASSISTANCE WITH ALTERNATIVE FUELS, EMISSIONS ANALYSIS AND ON-ROAD SOURCES	GLADSTEIN, NEANDROSS & ASSOCIATES	\$30,000.00	
35	LEGISLATIVE & PUBLIC AFFAIRS	C13262	01	WASHINGTON DC LEGISLATIVE REPRESENTATION	KADESH & ASSOCIATES LLC	\$227,981.00	

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35	LEGISLATIVE & PUBLIC AFFAIRS	C13263	01	WASHINGTON DC LEGISLATIVE REPRESENTATION	CARMEN GROUP, INC	\$109,620.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13283	32	REPOWER 3 DIESEL OFF-ROAD CONSTRUCTION VEHICLES	SAGE GREEN, LLC	\$59,907.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13283	32	REPOWER 3 DIESEL OFF-ROAD CONSTRUCTION VEHICLES	SAGE GREEN, LLC	\$293,149.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13284	32	REPOWER 2 MAIN AND 2 AUXILIARY ENGINES ON TWO MARINE VESSELS	SUNDIVER INTERNATIONAL, INC.	\$42,280.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13290	32	REPOWER 1 MAIN ENGINE ON 1 MARINE VESSEL	SAL BOY, INC.	\$21,900.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13292	32	REPOWER 3 MAIN AND 2 AUXILIARY ENGINES ON 1 MARINE VESSEL	NEWPORT CAMPUS CHURCH	\$95,649.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13302	32	REPOWER ONE MAIN DIESEL ENGINE AND ONE AUXILIARY DIESEL ENGINE ON A MARINE VESSEL	KATALINA PHAN	\$23,100.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13313	32	REPOWER 1 MAIN ENGINE ON A MARINE VESSEL	GIACOMO F. DAMATO FISHING	\$6,253.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13387	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MARTA PERDOMO	\$15,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13441	80	REPLACE UP TO 20 DIESEL LOCOMOTIVES	SO CALIFORNIA REGIONAL RAIL AUTHORITY	\$17,340,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14041	81	TECHNICAL ASSISTANCE FOR THE PROPOSITION 1B GOODS MOVEMENT PROGRAM	CLEAN FUEL CONNECTION INC	\$100,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14136	32	REPOWER 4 OFF-ROAD VEHICLES	NORTH COUNTY SAND & GRAVEL, INC.	\$293,278.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14138	81	PROVIDE TECHNICAL ASSISTANCE WITH THE PROP 1B GOODS MOVEMENT PROGRAM	GLADSTEIN, NEANDROSS & ASSOCIATES	\$60,000.00	
08	LEGAL	C14198	01	COUNSEL RAILROAD LITIGATION	SLOVER & LOFTUS	\$35,000.00	
08	LEGAL	C14198	01	COUNSEL RAILROAD LITIGATION	SLOVER & LOFTUS	\$75,000.00	
08	LEGAL	C14198	01	COUNSEL RAILROAD LITIGATION	SLOVER & LOFTUS	\$125,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	G12138	81	PROP 1B LOWER-EMISSION SCHOOL BUS REPLACEMENT PROGRAM	ROWLAND UNIFIED SCHOOL DISTRICT	\$0.00	11
44	MSRC	ML08028	23	PURCHASE 24 HEAVY-DUTY CNG TRUCKS	CITY OF SANTA MONICA	\$0.00	11
44	MSRC	MS11056	23	PROGRAMMATIC OUTREACH SERVICES	THE BETTER WORLD GROUP, INC	\$98,418.00	
44	MSRC	MS14009	23	BUY-DOWN THE COST OF ALTERNATIVE FUEL SCHOOL BUSES	A-Z BUS SALES, INC.	\$124,000.00	

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44	MSRC	MS14048	23	BUY DOWN THE COST OF ALTERNATIVE FUELED SCHOOL BUSES	BUSWEST, LLC	\$382,850.00	
Subtotal						\$23,981,039.00	
Executive Officer Approved							
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C00013	01	COSTA MESA AIR MONITORING STATION LEASE	EL PACIFIC PROPERTIES/DONALD S ELLIS	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C00069	01	TECHNICAL ASSISTANCE RELATED TO THE USE OF ALTERNATIVE FUELS IN MOBILE SOURCES	MICHAEL P WALSH	\$0.00	6
08	LEGAL	C10060	01	PROVIDE EMPLOYEE LITIGATION SERVICES	WILEY PRICE & RADULOVICH	\$0.00	6
11	LEGAL	C01096	01	OUTSIDE COUNSEL FOR CONFLICT OF INTEREST ISSUES	OLSON HAGEL WATERS & FISHBURN LLP	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C02061	35	PURCHASE & INSTALLATION OF A CNG REFUELING SYSTEM IN TEMECULA. □ TERM: 5/25/05 - 12/31/2010	DOWNNS ENERGY	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C04106	01	AZUSA AIR MONITORING STATION	SYLVESTER WAGNER	\$36,000.00	
11	LEGAL	C05025	01	PERSONNEL INVESTIGATION	PUBLIC INTEREST INVESTIGATIONS INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C05250	31	PURCHASE AND INSTALL L/CNG REFUELING SYSTEM AT FUELING FACILITY IN TEMECULA. □	DOWNNS ENERGY	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C06042	31	UPGRADE EXISTING CNG PUBLIC ACCESS STATION WITH DISPENSER & CARD READER. □	UNIVERSITY OF CALIFORNIA-LOS ANGELES	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C06091	31	INSTALL NEW PUBLIC ACCESS CNG FUELING STATION AT THE CITY YARD	CITY OF WHITTIER	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C07245	31	PURCHASE AND INSTALL NEW LNG PRODUCTION FACILITY USING LANDFILL GAS FROM ALTAMONT LANDFILL IN LIVERMORE, CA	USA WASTE OF CALIFORNIA INC	\$0.00	6
11	LEGAL	C07321	01	ADVICE REGARDING PUBLIC FINANCE BONDS, TAXES, FEES, ETC.	STRADLING YOCCA CARLSON & RAUTH	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08029	32	REPOWER 1 DIESEL DUAL-ENGINE SCRAPER	JAGUR TRACTOR	\$0.00	6

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08043	31	PUBLIC ACCESS CNG FUELING STATION UPGRADE	UNIVERSITY OF CALIFORNIA-LOS ANGELES	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08044	31	INSTALL LIMITED ACCESS CNG FUELING STATION	BEAUMONT UNIFIED SCHOOL DISTRICT	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08098	31	PURCHASE/INSTALL NEW CNG FUELING STATION	REDLANDS UNIFIED SCHOOL DISTRICT	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08210	01	TECHNICAL ASSISTANCE ON MOBILE SOURCE CONTROL MEASURES AND FUTURE CONSULTATION ON TAO ACTIVITIES	SAWYER ASSOCIATES	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08225	01	CARSON AIR MONITORING STATION	VENTURA TRANSFER COMPANY	\$3,960.00	
26	PLANNING RULE DEV & AREA SOURCES	C08323	01	SYSTEM AND PERFORMANCE AUDITS OF THE AQMD METEOROLOGICAL MONITORING	TECHNICAL AND BUSINESS SYSTEMS	\$30,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09141	80	REPOWER 1 DIESEL SCRAPER	JCE EQUIPMENT, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09252	31	TECHNICAL ASSISTANCE WITH REVIEW AND ASSESSMENT OF ADVANCED TECHNOLOGIES, HEAVY-DUTY ENGINES AND CONVENTIONAL AND ALTERNATE FUELS	JWM CONSULTING SERVICES	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09308	71	MAINTAIN AND MANAGE CNG FUELING STATION AT AQMD HEADQUARTERS	PINNACLE CNG SYSTEMS, LLC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09308	01	MAINTAIN AND MANAGE CNG FUELING STATION AT AQMD HEADQUARTERS	PINNACLE CNG SYSTEMS, LLC	\$54,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09354	36	RESEARCH STUDY & DEMO FEASIBILITY OF CONTROL TECHNOLOGY TO REDUCE PM2.5 AND	FOSSIL ENERGY RESEARCH CORPORATION	\$0.00	11
26	PLANNING RULE DEV & AREA SOURCES	C10001	01	STAMPFRAG MEMBER SERVICES	CENTER FOR CONTINUING STUDY-CA ECONOMY	\$0.00	6
08	LEGAL	C10052	01	PROVIDE EMPLOYEE RELATIONS LITIGATION SERVICES	LIEBERT CASSIDY WHITMORE	\$0.00	6
08	LEGAL	C10052	01	PROVIDE EMPLOYEE RELATIONS LITIGATION SERVICES	LIEBERT CASSIDY WHITMORE	\$0.00	4
08	LEGAL	C10060	01	PROVIDE EMPLOYEE LITIGATION SERVICES	WILEY PRICE & RADULOVICH	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10110	32	REPOWER ONE SINGLE ENGINE SCRAPER	LOU KINGMA EQUIPMENT RENTAL	\$0.00	6

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10189	81	PROP 1B PORT TRUCK PROGRAM	CALIFORNIA CARTAGE CO, LLC	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10465	81	PROP 1B PORT TRUCK PROGRAM	RAILPORT LOGISTICS, INC.	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10606	32	INSTALL A SHORE POWER SYSTEM AT THE LONG BEACH CRUISE SHIP AND RETROFIT 2 PASSENGER VESSELS	CARNIVAL CRUISE LINES	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10606	32	INSTALL A SHORE POWER SYSTEM AT THE LONG BEACH CRUISE SHIP AND RETROFIT 2 PASSENGER VESSELS	CARNIVAL CRUISE LINES	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10621	32,80	REPOWER 4 DIESEL CRANES	FOUNDATION PILE, INC.	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C10695	01	INSURANCE BROKERAGE SERVICES	ALLIANT INSURANCE SERVICES INC	\$24,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10723	31	RETROFIT A DIGESTER GAS ENGINE WITH NOX AFTERTREATMENT EMISSION CONTROL TECHNOLOGY	EASTERN MUNICIPAL WATER DISTRICT	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C11015	01	MEDICAL SERVICES FOR FY 2011	CONCENTRA MEDICAL CENTERS, A MED CORP	\$5,000.00	
16	ADMINISTRATIVE & HUMAN RESOURCES	C11016	01	MEDICAL SERVICES	KAISER FOUNDATION HEALTH PLAN	\$2,500.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11026	81	PROP 1B PORT TRUCK PROGRAM	DEPENDABLE HIGHWAY EXPRESS, INC.	\$0.00	1
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11028	01	TECHNICAL ASSISTANCE ON STATIONARY SOURCE CONTROL MEASURES & FUTURE CONSULTATION ON TAO ACTIVITIES. □ TERM: 8/4/10 - 8/3/11	MARTIN L KAY	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11050	27	DEVELOP PROTOTYPE NATURAL GAS-FIRED, GAN-TYPE CENTRAL FURNACES WITH REDUCED NOX EMISSIONS	BECKETT GAS, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11182	31	TECHNICAL ASSISTANCE WITH ALTERNATIVE FUELS, FUEL CELLS, EMISSIONS ANALYSIS AND AFTERTREATMENT TECHNOLOGIES	ANDRIS R. ABELE	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11395	80	REPOWER 2 OFF-ROAD CONSTRUCTION EQUIPMENT	B & D EQUIPMENT RENTAL, INC.	\$0.00	6

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11398	81	PROP 1B GOODS MOVEMENT - LOCOMOTIVE CONTRACT	BNSF RAILWAY COMPANY	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11484	31	TRUCK OUTREACH CENTERS	GLADSTEIN, NEANDROSS & ASSOCIATES	\$0.00	6
26	PLANNING RULE DEV & AREA SOURCES	C11527	31	SOURCES, COMPOSITION, VARIABILITY & TOXICOLOGICAL CHARACTERISTICS OF ULTRAFINE PARTICLES IN SOUTHERN CALIFORNIA STUDY	UNIVERSITY OF SOUTHERN CALIFORNIA	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11548	23,31	INCENTIVE BUYDOWN PROGRAM FOR CNG HOME REFUELING APPLIANCES	MANSFIELD GAS EQUIPMENT SYSTEMS CORP	\$0.00	11
08	LEGAL	C11594	01	LEGAL REPRESENTATION	PERKINS COIE LLP	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C11607	01	NATURAL GAS PURCHASE AGREEMENT	STATE OF CALIFORNIA	\$0.00	11
16	ADMINISTRATIVE & HUMAN RESOURCES	C11607	01	NATURAL GAS PURCHASE AGREEMENT	STATE OF CALIFORNIA	\$27,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11614	17	DEMONSTRATE BATTERY ELECTRIC HEAVY-DUTY TRUCKS	TRANSPORTATION POWER, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11615	31	DEVELOPMENT AND DEMONSTRATION OF UP TO 4 HEAVY-DUTY HYDRAULIC HYBRID VEHICLES	PARKER HANNIFIN CORPORATION	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11724	32	REPOWER 6 OFF-ROAD SCRAPERS	TINA MCMINN EQUIPMENT RENTALS, INC.	\$0.00	11
35	LEGISLATIVE & PUBLIC AFFAIRS	C11738	01	IMPLEMENTATION OF THE AIR QUALITY INSTITUTE (AQI)	CORDOBA CORPORATION	\$0.00	6
08	LEGAL	C12075	01	ENVIRONMENTAL LAW	WOODRUFF SPRADLIN & SMART	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12127	32	PURCHASE AND INSTALL ON-BOARD SHORE POWER RETROFIT EQUIPMENT ON A PASSENGER VESSEL	CARNIVAL CRUISE LINES	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12127	32	PURCHASE AND INSTALL ON-BOARD SHORE POWER RETROFIT EQUIPMENT ON A PASSENGER VESSEL	CARNIVAL CRUISE LINES	\$0.00	11
08	LEGAL	C12128	01	EMPLOYMENT & LABOR LAW	FISHER & PHILLIPS, LLP	\$25,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12133		REPOWER 7 DIESEL OFF-ROAD CONSTRUCTION VEHICLES	SUKUT CONSTRUCTION, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12155	01	TOYOTA FUEL CELL HYBRID LEASE	UNIVERSITY OF CALIFORNIA - IRVINE	\$0.00	11
08	LEGAL	C12170	01	CEQA/ENVIRONMENTAL LAW	BEST BEST & KRIEGER	\$0.00	6

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12174	48	CHARACTERIZATION OF THE PHYSICAL, CHEMICAL, AND BIOLOGICAL PROPERTIES OF PM EMISSIONS, VOCS AND CARBONYL GROUPS FROM UNDER-FIRED	UNIVERSITY OF CALIFORNIA, RIVERSIDE	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12174	48	CHARACTERIZATION OF THE PHYSICAL, CHEMICAL, AND BIOLOGICAL PROPERTIES OF PM EMISSIONS, VOCS AND CARBONYL GROUPS FROM UNDER-FIRED	UNIVERSITY OF CALIFORNIA, RIVERSIDE	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12181	32	REPOWER 7 ROUGH TERRAIN FORKLIFTS	WESTSIDE BUILDING MATERIAL CORP	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12197	31	HEALTH EFFECTS OF PM PARTICLES EMITTED FROM HEAVY-DUTY VEHICLES--A COMPARISON BETWEEN DIFFERENT BIODIESEL FUELS	UNIVERSITY OF CALIFORNIA, RIVERSIDE	\$0.00	6
35	LEGISLATIVE & PUBLIC AFFAIRS	C12200	01	SACRAMENTO LEGISLATIVE REPRESENTATION	GONZALEZ, QUINTANA & HUNTER, LLC	\$48,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12204	32	REPOWER OF 13 OFF-ROAD VEHICLES	SHARMA GENERAL ENGINEERING CONTRACTORS	\$0.00	6
26	PLANNING RULE DEV & AREA SOURCES	C12207	01	LOW TOXICITY ALTERNATIVES FOR MOLD CLEANERS AND MOLD RELEASE AGENTS	INSTITUTE FOR RESEARCH & TECHNICAL	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12230	81	INSTALLATION OF GRID-BASED, SHORE POWER SYSTEMS UP TO THREE BERTHS AT THE PORT OF HUENEME	OXNARD HARBOR DISTRICT	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12230	81	INSTALLATION OF GRID-BASED, SHORE POWER SYSTEMS UP TO THREE BERTHS AT THE PORT OF HUENEME	OXNARD HARBOR DISTRICT	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12233	81	INSTALLATION OF A GRID-BASED, SHORE POWER SYSTEMS AT UP TO 12 BERTHS AT THE PORT OF LONG BEACH	PORT OF LONG BEACH	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12233	81	INSTALLATION OF A GRID-BASED, SHORE POWER SYSTEMS AT UP TO 12 BERTHS AT THE PORT OF LONG BEACH	PORT OF LONG BEACH	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12234	81	INSTALL SHORE POWER AT POLA	CITY OF LOS ANGELES	\$0.00	11

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27	INFORMATION MANAGEMENT	C12285	01	SHORT AND LONG-TERM SYSTEMS DEVELOPMENT, MAINTENANCE AND SUPPORT SERVICES	CMC AMERICAS INC	\$0.00	6
26	PLANNING RULE DEV & AREA SOURCES	C12296	01	PROVIDE SOCIOECONOMIC CONSULTING SERVICES	REGIONAL ECONOMIC MODELS INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12300	32	REPOWER 4 OFF-ROAD VEHICLES	EARTH TEK ENGINEERING CORP.	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12380	31	TECHNICAL ASSISTANCE RELATED TO EMISSIONS, ADVANCED TECHNOLOGIES AND GOODS	THE TIOGA GROUP	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12381	31	TECHNICAL ASSISTANCE RELATED TO EMISSION INVENTORIES, GOODS MOVEMENT AND OFF-ROAD SOURCES	INTEGRA ENVIRONMENTAL CONSULTING, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12409	36	RENEWABLE ENERGY PROJECTS IN COMMUNITIES SURROUNDING ELECTRICAL GENERATING FACILITIES	ALTERNATIVE ENERGY CONNECTIONS	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12446	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MARTIAN TRUCKING, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12453	31	TECHNICAL ASSISTANCE WITH ALTERNATIVE FUELS, FUEL CELLS, EMISSION ANALYSIS, AND AFTERTREATMENT TECHNOLOGIES	ANDRIS R. ABELE	\$0.00	6
26	PLANNING RULE DEV & AREA SOURCES	C12841	01	DEVELOPMENT OF A NEW ANNUAL EMISSIONS REPORTING SYSTEM	ECOTEK INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12865	31	DEVELOPMENT OF QUANTITATIVE CELLULAR ASSAYS FOR USE IN UNDERSTANDING THE CHEMICAL BASIS OF AIR POLLUTANT TOXICITY	UNIVERSITY OF CALIFORNIA-LOS ANGELES	\$0.00	11
16	ADMINISTRATIVE & HUMAN RESOURCES	C12880	01	SUBSURFACE GEOTECHNICAL INVESTIGATION	COTTON, SHIRES AND ASSOCIATES, INC.	\$10,270.00	
16	ADMINISTRATIVE & HUMAN RESOURCES	C12880	01	SUBSURFACE GEOTECHNICAL INVESTIGATION	COTTON, SHIRES AND ASSOCIATES, INC.	\$18,425.00	
26	PLANNING RULE DEV & AREA SOURCES	C12881	01	CEQA CONSULTANT ASSISTANT	ENVIRONMENTAL AUDIT INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12886	81	REPLACE 12 DIESEL SOLID WASTE COLLECTION VEHICLES WITH NATURAL GAS VEHICLES	BURRTEC WASTE INDUSTRIES INC	\$0.00	11

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12888	01	LBUSD AIR MONITORING STATION	LONG BEACH UNIFIED SCHOOL DISTRICT	\$0.00	1
26	PLANNING RULE DEV & AREA SOURCES	C12897	01	TECHNICAL SUPPORT FOR AQMD MEASUREMENTS IN THE COACHELLA VALLEY	TECHNICAL AND BUSINESS SYSTEMS	\$60,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13021	81	PROP 1B REPOWER 6 LOCOMOTIVES - GOODS MOVEMENT FY 08-09	BNSF RAILWAY COMPANY	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13022	32	REPOWER 2 DIESEL OFF-ROAD CONSTRUCTION EQUIPMENT VEHICLES	PEED EQUIPMENT	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13028	32	REPOWER 5 DIESEL OFF-ROAD VEHICLES	RRM PROPERTIES, LTD	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13033	81	PROVIDE TECHNICAL ASSISTANCE FOR PROP 1B APPROVED SHORE POWER PROJECTS	POWER-TECH ENGINEERS, INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13033	81	PROVIDE TECHNICAL ASSISTANCE FOR PROP 1B APPROVED SHORE POWER PROJECTS	POWER-TECH ENGINEERS, INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13035	36	INSTALL 50 KW SOLAR PV ROOFTOP SYSTEM, WITH 1.5MW BATTERY ENERGY STORAGE	CODA ENERGY, LLC	\$0.00	11
16	ADMINISTRATIVE & HUMAN RESOURCES	C13054	01	WEST INLAND EMPIRE EMPLOYMENT RELATIONS CONSORTIUM	LIEBERT CASSIDY WHITMORE	\$3,549.00	
08	LEGAL	C13057	01	PROVIDE INSURANCE COVERAGE COUNSEL TO AQMD	PERKINS COIE LLP	\$1,000.00	
08	LEGAL	C13060	01	LITIGATION COUNSEL	PAUL HASTINGS LLP	\$0.00	6
08	LEGAL	C13060	01	LITIGATION COUNSEL	PAUL HASTINGS LLP	\$75,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13078	31	STEAM HYDROGASIFICATION REACTION DEMONSTRATION PROJECT TO GENERATE SUBSTITUTE NATURAL GAS FROM BIOMASS WASTE	UNIVERSITY OF CALIFORNIA RIVERSIDE	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C13167	01	COMMERCIAL REAL ESTATE BROKER	COMPREHENSIVE REAL ESTATE SERVICES	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13169	01	ASSESSMENT OF PERFORMANCE AND OPERATIONAL ISSUES WITH LNG TRUCKS UNDER PROP 1B PROGRAM	GLADSTEIN, NEANDROSS & ASSOCIATES	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13184	32	REPOWER 5 OFF-ROAD VEHICLES	MORLEY GROUP, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13185	32	REPOWER OF 5 OFF-ROAD VEHICLES	SHORING ENGINEERS	\$0.00	6

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13186	32	REPOWER 2 OFF-ROAD VEHICLES	J.A. LYNCH MASONRY, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13190	32	REPLACE 1 DIESEL OFF-ROAD CONSTRUCTION VEHICLE	SUKUT CONSTRUCTION, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13193	32	REPOWER 5 OFF-ROAD VEHICLES	PARK WEST LANDSCAPE, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13194	01	PROVIDE TECHNICAL ASSISTANCE WITH ALTERNATIVE FUELS, RENEWABLE ENERGY AND ELECTRIC VEHICLES	CLEAN FUEL CONNECTION INC	\$50,000.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13244	32	REPOWER 6 OFF-ROAD VEHICLES	WHITTIER FERTILIZER CO.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13244	32	REPOWER 6 OFF-ROAD VEHICLES	WHITTIER FERTILIZER CO.	\$0.00	6
27	INFORMATION MANAGEMENT	C13252	01	TELECOM AND INTERNET SERVICES	TW TELECOM	\$0.00	11
04	FINANCE	C13253	22,23	AUDIT OF AB 2766 FEE REVENUE RECIPIENTS FOR FISCAL YEARS 2009-10 AND 2010-11	SIMPSON & SIMPSON	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13254	32	REPOWER 2 OFF-ROAD VEHICLES	ROOFING WHOLESALE CO INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13255	32	REPOWER 3 OFF-ROAD VEHICLES	WEST PILING, INC.	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C13272	01	REPLACEMENT OF HVAC BLACK STEEL PIPING	CENTRAL PLUMBING CO, INC.	\$0.00	6
08	LEGAL	C13312	01	LEGAL COUNSEL FOR CONFLICTS OF INTEREST/PUBLIC LAW ISSUES	BURKE, WILLIAMS & SORENSEN, LLP	\$0.00	6
08	LEGAL	C13312	01	LEGAL COUNSEL FOR CONFLICTS OF INTEREST/PUBLIC LAW ISSUES	BURKE, WILLIAMS & SORENSEN, LLP	\$25,000.00	
08	LEGAL	C13312	01	LEGAL COUNSEL FOR CONFLICTS OF INTEREST/PUBLIC LAW ISSUES	BURKE, WILLIAMS & SORENSEN, LLP	\$25,000.00	
20	MEDIA OFFICE	C13317	01	LATINO ADVERTISING AND OUTREACH INITIATIVE	ALPUNTO ADVERTISING, INC.	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13364	58	REPLACEMENT OF 5 DIESEL BUSES WITH PROPANE BUSES	DESERT SANDS UNIFIED SCHOOL DISTRICT	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13400	31	DEVELOP HYDROGEN STATION INVESTMENT PLAN	ENERGY INDEPENDENCE NOW COALITION	\$0.00	11
08	LEGAL	C13403	01	PROVIDE EMPLOYMENT/LABOR RELATED LEGAL SERVICES	THE SILLAS LAW FIRM	\$0.00	6
35	LEGISLATIVE & PUBLIC AFFAIRS	C13413	01	PUBLIC OPINION SURVEY RESEARCH	GOMEZ RESEARCH	\$0.00	6

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16	ADMINISTRATIVE & HUMAN RESOURCES	C13424	01	DEFERRED COMP PLAN SERVICES	BENEFIT FUNDING SERVICES GROUP	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C13427	01	INSURANCE CONSLUTANT/BROKER SERVICES	MERCER	\$0.00	6
08	LEGAL	C13428	01	CONSULTING EXPERT	FRANK A. WOLAK	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C13437	01	ENGINEERING FOR REPLACEMENT OF 800 TON COOLING TOWERS	TTG ENGINEERS	\$0.00	11
16	ADMINISTRATIVE & HUMAN RESOURCES	C13437	01	ENGINEERING FOR REPLACEMENT OF 800 TON COOLING TOWERS	TTG ENGINEERS	\$21,240.00	
27	INFORMATION MANAGEMENT	C13440	01	AUDIO VISUAL SYSTEM UPGRADE	DIGITAL NETWORKS GROUP, INC.	\$0.00	11
27	INFORMATION MANAGEMENT	C13440	01	AUDIO VISUAL SYSTEM UPGRADE	DIGITAL NETWORKS GROUP, INC.	\$13,221.00	
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13444	58	PARKING LOT PAVING DUST MITIGATION PROJECT	TORRES MARTINEZ DESERT CAHUILLA INDIANS	\$0.00	11
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13448	58	DUST MITIGATION PROJECTS	CITY OF DESERT HOT SPRINGS	\$0.00	11
26	PLANNING RULE DEV & AREA SOURCES	C13453	01	STATISTICAL ANALYSIS OF TRUCK ACTIVITY AND TRIP COUNT DATA FOR HIGH CUBE WAREHOUSE	UNIVERSITY OF CALIFORNIA RIVERSIDE	\$0.00	6
08	LEGAL	C13458	01	PROVIDE LIABILITY COUNSEL SERVICES	LYNBERG & WATKINS, APC	\$0.00	6
16	ADMINISTRATIVE & HUMAN RESOURCES	C13465	01	AIR MONITORING LICENSE AGREEMENT	SOUTHERN CALIFORNIA EDISON	\$3,645.89	
27	INFORMATION MANAGEMENT	C14049	01	CONTACT DATABASE OF EMAIL ADDRESSES-REFRESHED LARGE EMAIL LIST	CHMB CONSULTING FIRM	\$0.00	11
20	MEDIA OFFICE	C14055	36	MEDIA, ADVERTISING, AND PUBLIC OUTREACH CAMPAIGN FOR CHECK BEFORE YOU BURN PROGRAM	QUIJOTE CORP DBA SENSIS	\$0.00	6
20	MEDIA OFFICE	C14055	36	MEDIA, ADVERTISING, AND PUBLIC OUTREACH CAMPAIGN FOR CHECK BEFORE YOU BURN PROGRAM	QUIJOTE CORP DBA SENSIS	\$0.00	6
20	MEDIA OFFICE	C14055	36	MEDIA, ADVERTISING, AND PUBLIC OUTREACH CAMPAIGN FOR CHECK BEFORE YOU BURN PROGRAM	QUIJOTE CORP DBA SENSIS	\$0.00	6
26	PLANNING RULE DEV & AREA SOURCES	C14065	01	REVIEW OF SCAQMD SOCIOECONOMIC ASSESSMENT	ABT ASSOCIATES, INC	\$9,967.00	
08	LEGAL	C14066	01	CONSULTING SERVICES FOR PLANNING, FIELD TESTING, CONCEPTUAL FLOW MODEL, AND CONCEPTUAL DESIGN OF LANDFILL	RAMIN YAZDANI	\$0.00	6

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14140	32	REPOWER TWO OFF-ROAD CRANES	SHORING ENGINEERS	\$0.00	0
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14164	17	CAFCP TECHNICAL CONSULTANT FOR CREATION OF HYDROGEN INFRASTRUCTURE BEST PRACTICES GUIDELINES	BEVILACQUA-KNIGHT INC	\$0.00	6
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C14169	36	DEVELOPMENT AND DEMONSTRATION OF UP TO 15 PROPANE AND NATURAL GAS-FIRED RETROFIT AND METAL FIRE RINGS	EARTH'S FLAME, INC	\$0.00	11
08	LEGAL	C14187	01	PROVIDE LEGAL ASSISTANCE WITH RULE 444 AMENDMENT	GAINES & STACEY, LLP	\$856.00	
08	LEGAL	C14187	01	PROVIDE LEGAL ASSISTANCE WITH RULE 444 AMENDMENT	GAINES & STACEY, LLP	\$2,500.00	
08	LEGAL	C14214	01	EXPERT WITNESS/CONSULTANT	STEVEN E. GUFFEY	\$4,500.00	
44	MSRC	ML05014	23	SYNCHRONIZE TWENTY FOUR TRAFFIC SIGNALS ON FLORENCE/MILLS AVENUES - FUND 23	COUNTY OF LOS ANGELES	\$0.00	6
44	MSRC	ML05014	23	SYNCHRONIZE TWENTY FOUR TRAFFIC SIGNALS ON FLORENCE/MILLS AVENUES - FUND 23	COUNTY OF LOS ANGELES	\$0.00	6
44	MSRC	ML07044	23	PURCHASE 24 HEAVY-DUTY NATURAL GAS VEHICLES	CITY OF SANTA MONICA	\$0.00	6
44	MSRC	ML09026	23	REPOWER FIVE OFF-ROAD VEHICLES.	COUNTY OF LOS ANGELES	\$0.00	11
44	MSRC	ML09036	23	PURCHASE 35 HEAVY-DUTY NATURAL GAS VEHICLES	CITY OF LONG BEACH	\$0.00	6
44	MSRC	ML09043	23	UPGRADE CNG STATION	CITY OF COVINA	\$0.00	6
44	MSRC	ML11021	23	PURCHASE 7 HEAVY-DUTY CNG VEHICLES	CITY OF WHITTIER	\$0.00	11
44	MSRC	ML12019	23	ELECTRIC VEHICLE CHARGING INFRASTRUCTURE	CITY OF PALM SPRINGS	\$0.00	11
44	MSRC	ML12050	23	INSTALL AN EV CHARGING STATION	CITY OF BALDWIN PARK	\$0.00	6
44	MSRC	MS06012	23	INSTALL PUBLIC ACCESS LNG STATION IN LONG BEACH	CONSOLIDATED DISPOSAL SERVICE LLC	\$0.00	6
44	MSRC	MS06049	23	INSTALL PUBLIC ACCESS CNG STATION AT LONG BEACH POLICE DEPARTMENT	CLEAN ENERGY	\$0.00	6
44	MSRC	MS06049	23	INSTALL PUBLIC ACCESS CNG STATION AT LONG BEACH POLICE DEPARTMENT	CLEAN ENERGY	\$0.00	11

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44	MSRC	MS07013	23	INSTALL PUBLIC ACCESS CNG STATION	RAINBOW DISPOSAL COMPANY, INC.	\$0.00	6
44	MSRC	MS08007	23	PURCHASE 10 CNG TRUCKS	UPS	\$0.00	6
44	MSRC	MS08007	23	PURCHASE 10 CNG TRUCKS	UPS	\$0.00	6
44	MSRC	MS08013	23	PURCHASE 12 YARD TRACTORS EQUIPPED WITH ADVANCED NG ENGINES	UPS	\$0.00	6
44	MSRC	MS08057	23	INSTALL CNG FUELING STATION	ORANGE CO TRANSPORTATION AUTHORITY	\$0.00	11
44	MSRC	MS08068	23	INSTALL HYDROGEN FUELING STATION	UNIVERSITY OF CALIFORNIA-LOS ANGELES	\$0.00	6
44	MSRC	MS08072	23	CONSTRUCT CNG FUELING STATION - BURBANK	CLEAN ENERGY	\$0.00	11
44	MSRC	MS08076	23	INSTALL LIMITED-ACCESS CNG STATION AND MODIFY MAINTENANCE FACILITY	AZUSA UNIFIED SCHOOL DISTRICT	\$0.00	6
44	MSRC	MS10006	23	PURCHASE 3 SWEEPERS EQUIPPED WITH ADVANCED NATURAL GAS ENGINES	NATIONWIDE ENVIRONMENTAL SERVICES	\$0.00	11
44	MSRC	MS11056	23	PROGRAMMATIC OUTREACH SERVICES	THE BETTER WORLD GROUP, INC	\$0.00	11
44	MSRC	MS11060	23	INSTALL CNG FUELING STATION	ROWLAND UNIFIED SCHOOL DISTRICT	\$0.00	6
44	MSRC	MS11067	23	EXPAND LCNG AND LNG FUELING STATION	CITY OF REDLANDS	\$0.00	6
44	MSRC	MS12011	23	NEW PUBLIC ACCESS CNG STATION-PICO RIVERA	SOUTHERN CALIFORNIA GAS COMPANY	\$0.00	6
44	MSRC	MS12062	23	DEVELOP AND IMPLEMENT "RIDESHARE THURSDAY" CAMPAIGN	FRASER COMMUNICATIONS	\$0.00	11
44	MSRC	MS12062	23	DEVELOP AND IMPLEMENT "RIDESHARE THURSDAY" CAMPAIGN	FRASER COMMUNICATIONS	\$0.00	11
44	MSRC	MS14003	23	IMPLEMENT SPECIAL METROLINK SERVICE TO ANGEL STADIUM	ORANGE CO TRANSPORTATION AUTHORITY	\$0.00	6
08	LEGAL	XC12250	01	PROVIDE RAILROAD LITIGATION SERVICES	LIGHTFOOT STEINGARD & SADOWSKY, LLP	\$0.00	6
Subtotal						\$580,133.89	

Board Assistant
Board Administrative Committee Reviewed/Executive Officer Approved

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02	GOVERNING BOARD	C14007	01	BOARD ASSISTANT SERVICES FOR JUDITH MITCHELL	MARISA KRISTINE PEREZ	\$18,853.50	
02	GOVERNING BOARD	C14011	01	BOARD ASSISTANT SERVICES FOR DENNIS YATES	EARL C ELROD	\$0.00	11
02	GOVERNING BOARD	C14012	01	BOARD ASSISTANT SERVICES FOR DENNIS YATES	ROBERT ULLOA	\$0.00	11
Subtotal						\$18,853.50	

V. TERMINATED CONTRACTS-PARTIAL/NO WORK PERFORMED

44	SCIENCE & TECHNOLOGY ADVANCEMENT	C08006	32	REPOWER AND RETROFIT 4 DIESEL SCRAPERS, 2 DUAL-ENGINE SCRAPERS AND 1 DUAL-ENGINE WATER PULL	LD ANDERSON INC	-\$502,704.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09098	32	RETROFIT 117 ON-ROAD TRUCKS	GARDNER TRUCKING, INC.	-\$565,328.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C09318	32	RETROFIT 4 OFF-ROAD ENGINES	PEED EQUIPMENT	-\$218,898.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10075	32	PURCHASE 9 TRANSPORT REFRIGERATION UNITS (TRU)	MARTIN PRODUCE	-\$5,945.96	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10162	32	REPOWER 5 DIESEL SCRAPERS AND RETROFIT 3 OF THE 5 GRADERS PLUS AN ADDITIONAL 2 GRADERS	MILLER BLADES, INC.	-\$72,097.74	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10162	32	REPOWER 5 DIESEL SCRAPERS AND RETROFIT 3 OF THE 5 GRADERS PLUS AN ADDITIONAL 2 GRADERS	MILLER BLADES, INC.	-\$27,494.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10188	81	PROP 1B PORT TRUCK PROGRAM	CITY NATIONAL BANK	-\$950,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10504	32	REPOWER 1 SINGLE ENGINE SCRAPER AND 2 GRADERS	FINE GRADE EQUIPMENT, INC.	-\$125,877.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C10591	32	REPOWER 33 RUBBER-TIRED LOADERS	ROBERTSON'S READY MIX	-\$75,131.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11027	32	REPOWER OF 4 LOADERS	SA RECYCLING LLC	-\$149,760.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11143	81	PROP 1B PORT TRUCK PROGRAM	NORCO RANCH, INC.	-\$200,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11167	80	REPOWER 1 CRAWLER TRACTOR AND 1 RUBBER-TIRED DOZER	KASSEL CONTRACTING, INC.	-\$98,124.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11174	32	REPOWER 1 DIESEL RUBBER-TIRED DOZER AND 2 DIESE L SCRAPERS	THE JOHNSON EQUIPMENT COMPANY, INC	-\$238,597.00	7

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11217	81	PROP 1B TRUCK REPLACEMENT PROGRAM	DOUG MARTIN CONTRACTING CO., INC.	-\$200,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11222	81	PROP 1B TRUCK REPLACEMENT (NONPORT)	BUDWAY ENTERPRISES INC.	-\$600,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11543	32	REPOWER 12 OFF-ROAD EQUIPMENT	SA RECYCLING LLC	-\$757,531.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11556	32	REPOWER 21 OFF-ROAD VEHICLES	RENTRAC INC	-\$38,762.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C11689	32	REPOWER 1 RUBBER-TIRED LOADER AND 1 SPEED SWING	J.A. PLACEK CONSTRUCTION CO.	-\$29,987.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12079	32	REPOWER 25 ON-ROAD VEHICLES	WASTE MANAGEMENT COLLECTION & RECYCLING	-\$136,651.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12161	32	REPOWER 2 MAIN AND 2 AUXILLARY ENGINES ON 2 MARINE VESSELS	SANTA CATALINA ISLAND COMPANY	-\$8,640.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12204	32	REPOWER OF 13 OFF-ROAD VEHICLES	SHARMA GENERAL ENGINEERING CONTRACTORS	-\$69,413.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12213	32	REPOWER 8 MAIN ENGINES ON 6 MARINE VESSELS	SOUTHWEST MARINE RESOURCES, LLC	-\$96,785.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12249	80	REPOWER 4 OFF-ROAD VEHICLES	MCMINN EQUIPMENT RENTAL & LEASING, INC.	-\$16,053.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12326	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ECOLOGY AUTO PARTS, INC.	-\$63,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12375	81	PROP 1B TRUCK REPLACEMENT PROGRAM	EDGAR REYES	-\$50,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12420	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MOUNTAIN VALLEY EXPRESS CO INC	-\$40,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12468	81	PROP 1B TRUCK REPLACEMENT PROGRAM	WESTSIDE BUILDING MATERIAL CORP	-\$90,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12493	81	PROP 1B TRUCK REPLACEMENT PROGRAM	ROCKVIEW FARMS, INC	-\$240,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12494	81	PROP 1B TRUCK REPLACEMENT PROGRAM	CLASSIC DISTRIBUTING & BEVERAGE GROUP	-\$43,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12637	81	PROP 1B TRUCK RETROFIT PROGRAM	RRM PROPERTIES, LTD	-\$730,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12666	81	PROP 1B TRUCK REPLACEMENT PROGRAM	NIETO AND SONS TRUCKING, INC.	-\$360,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C12687	81	PROP 1B TRUCK RETROFIT PROGRAM	HEIMARK DISTRIBUTING, LLC	-\$5,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13125	81	PROP 1B TRUCK REPLACEMENT PROGRAM	RON AND SONS TRUCKING INC	-\$100,000.00	7

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44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13130	81	PROP 1B TRUCK REPLACEMENT PROGRAM	KOUKLIS EQUIPMENT COMPANY, INC.	-\$60,000.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13191	32	RETROFIT 4 OFF-ROAD HEAVY-DUTY VEHICLES	MALCOLM DRILLING	-\$15,809.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13200	32	REPOWER 16 OFF-ROAD VEHICLES	WESTSIDE BUILDING MATERIAL CORP	-\$296,932.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	C13394	81	PROP 1B TRUCK REPLACEMENT PROGRAM	JUAN GOMEZ DOMINGUEZ	-\$15,000.00	7
44	MSRC	ML07033	23	PURCHASE HEAVY-DUTY CNG VEHICLE & UPGRADE CNG STATION	CITY OF LA HABRA	-\$50,000.00	7
44	MSRC	ML08049	23	PURCHASE ONE HEAVY-DUTY CNG VEHICLE	CITY OF CERRITOS	-\$25,000.00	7
44	MSRC	ML09008	23	PURCHASE 6 HEAVY-DUTY CNG VEHICLES	CITY OF CULVER CITY	-\$25,000.00	7
44	MSRC	ML09009	23	UPGRADE CNG STATION	CITY OF SOUTH PASADENA	-\$14,500.00	7
44	MSRC	ML12015	23	HD CNG VEHICLE, EXPAND CNG STATION, NEW LPG STATION, MAINTENANCE FACILITY	CITY OF FULLERTON	-\$50,000.00	7
44	MSRC	ML12050	23	INSTALL AN EV CHARGING STATION	CITY OF BALDWIN PARK	-\$61,250.00	7
44	MSRC	MS07008	23	PURCHASE 102 TRANSIT BUSES EQUIPPED WITH ADVANCED CNG ENGINES	CITY OF LOS ANGELES	-\$140,000.00	7
44	MSRC	MS11066	23	EXPAND CNG FUELING STATION	TORRANCE UNIFIED SCHOOL DISTRICT	-\$34,284.00	7
44	MSRC	MS12010	23	NEW LIMITED ACCESS CNG STATION AND MAINTENANCE FACILITY MODIFICATIONS	MURRIETA VALLEY USD	-\$1,214.00	7
44	MSRC	MS12034	23	PURCHASE 2 MEDIUM AND 7 MEDIUM-HEAVY DUTY ON-ROAD VEHICLES	WARE DISPOSAL, INC.	-\$61,930.00	7
44	SCIENCE & TECHNOLOGY ADVANCEMENT	XC11140	81	PROP 1B TRUCK REPLACEMENT PROGRAM	MCANALLY ENTERPRISES LLC	-\$450,000.00	7
Subtotal						-\$8,205,697.70	

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	<u>SPECIAL FUNDS</u>						
17	ADV. TECH, OUTREACH & EDU FUND				1		NO FIXED VALUE
20	AIR QUALITY ASSISTANCE FUND				2		RATES VARY - NO FIXED VALUE
23	MSRC FUND				3		REVENUE CONTRACT - NO AMOUNT SHOWN
27	AIR QUALITY INVESTMENT FUND				4		NO COST - COST REALLOCATION
31	CLEAN FUELS FUND				5		CHANGED TO EMPLOYEE STATUS
32	CARL MOYER FUND - SB1107 ACCOUNT				6		NO COST- TIME EXTENSION
33	SCHOOL BUS REPLACEMENT PROGRAM				7		DE-OBLIGATION OF FUNDING
34	ZERO EMISSION VEHICLE INCENTIVE PROGRAM				8		COMPETITIVE SOLICITATION ISSUED BY ANOTHER GOVERNMENT AGENCY
35	AES SETTLEMENT PROJECTS FUND				9		MONITORING/LICENSE AGR
36	RULE 1309.1 PRIORITY RESERVE FUND				10		CNG VEHICLE PARTNERSHIP SELECTION
37	CARB ERC BANK FUND				11		NO COST - CHANGE IN TERMS
38	LADWP SETTLEMENT PROJECTS FUND				12		FEDERAL GOVERNMENT PASS-THRU
39	STATE EMISSIONS MITIGATION FUND				13		AT DIRECTION OF LEGISLATIVE COMMITTEE
40	NATURAL GAS VEHICLE PARTNERSHIP FUND				14		YR CONTRACT
41	STATE BUG FUND				15		TRUCK GRANT PAID TO CASCADE SIERRA SOLUTIONS THROUGH LEASE-TO-OWN PROGRAM. THIS CONTRACT IS FOR OPERATION AND REPORTING ONLY.
45	CBE/CBO SETTLEMENT AGREEMENT FUND				16		AMOUNT UTILIZED MAY BE LESS THAN CONTRACT AMOUNT.
46	BP ARCO SETTLEMENT FUND						
48	HEALTH EFFECTS RESEARCH FUND						
50	DOE ARRA-PLUG-IN HYBRID ELECTRIC VEHICLES						
51	DOE ARRA-LNG CORRIDOR EXPANSION						
52	TRAPAC SCHOOL AIR FILTRATION						
53	EMISSION REDUCTION AND OUTREACH FUND						
56	HEROS II PROGRAM FUND						
58	AB1318 MITIGATION FEES FUND						
59	CARL MOYER VOUCHER INCENTIVE FUND						
60	DOE PEV INFRASTRUCTURE PLANNING SPECIAL REVENUE FUND						
61	ADVANCED TECHNOLOGY GOODS MOVEMENT FUND						
71	CNG FUELING STATION ENTERPRISE FUND						
80	CARL MOYER FUND - AB923 ACCOUNT						
81	PROPOSITION 1B - GOODS MOVEMENT FUND						
82	PROPOSITION 1B - LOWER EMISSION SCHOOL BUS						

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 20

REPORT: Summary of Changes to FY 2013-14 Approved Budget

SYNOPSIS This is the annual report of budget changes for FY 2013-14.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Barry R. Wallerstein, D.Env.
Executive Officer

MBO:DRP:NCC:lg

Background

Revisions are made to the budget either through Board-approved changes or through organizational unit-requested budget changes which reallocate already-budgeted funds within a Major Object to meet operational needs, but do not increase the budget. Staff has prepared this report on budget revisions made during FY 2013-14. Organizational unit-requested budget changes have included such items as a transfer of budgeted funds from Planning, Rules and Area Sources to Information Management for updates and enhancements to the Rules 1113 and 314 online reporting program; from District General to Science and Technology Advancement for the purchase of hydrogen sulfide analyzers; from Engineering and Compliance to Information Management for PAATS/PPS Permitting systems software development work; from District General to Information Management for PeopleSoft software enhancement projects; from District General to Legal for temporary services and contract work; and from Planning, Rules and Area Sources to Information Management for transportation database maintenance on the Rule 2202 computer system. Expenditures relating to budget increases and/or transfers follow Board-established policy regarding purchasing and contracting.

The attached list reflects actions taken by the Board during the FY 2013-14 which have increased the operating budget.

BOARD-APPROVED FY 2013-14 BUDGET CHANGES

<u>Date of Board Action</u>	<u>Budget Changes</u>	<u>Description</u>
December 2011	\$ 201,500	From the Clean Fuels Program Fund – to support the MATES IV Study in FY 13-14.
May 2013	\$ 100,000	From the Rule 1309.1 Priority Reserve Fund – for implementation of the Low Emissions Hearth Product Incentive Voucher Program.
July 2013	\$ 800,000	From the Clean Fuels Program Fund – for technical assistance, expert consultation, public outreach and technical conference sponsorship, and advanced technology vehicle leases.
July 2013	\$ 200,000	From the Carl Moyer Program AB 923 Fund – to support administrative, outreach, education and other directly related AB 923 activities.
July 2013	\$ 300,000	From the Prop 1B Goods Movement Fund – to support administrative and technical assistance and other directly related Prop 1B/Goods Movement activities.
July 2013	\$ 626,229	From the U.S. EPA – for the PM 2.5 Monitoring program (\$316,590); for the Near Road NO ₂ Monitoring program (\$148,923); and for the NATTS program (\$160,716).
July 2013	\$ 425,509	From the U.S. DHS – for the Enhanced Particulate Monitoring program.
July 2013	\$ 276,313	From the U.S. EPA – for the PM 2.5 Monitoring program (\$45,700) and for the final quarter of the 21 st year PAMS program (\$230,613).
July 2013	\$ 56,000	From the Mobile Sources Air Pollution Reduction Fund – to facilitate reimbursement of administrative costs.
September 2013	\$ 150,000	From the U.S. DOE – to upgrade the existing LNG fueling station at the Ontario Airport.

BOARD-APPROVED FY 2013-14 BUDGET CHANGES (Cont.)

<u>Date of Board Action</u>	<u>Budget Changes</u>	<u>Description</u>
October 2013	\$ 208,000	From Sunshine Canyon Landfill – for the Sunshine Canyon Landfill Odor Control project.
November 2013	\$ 763,278	From the U.S. EPA – for the Section 105, Year 22, PAMS program.
December 2013	\$ 315,000	From the U.S. DHS – for the Enhanced Particulate Monitoring program.
December 2013	\$ 52,000	From the Undesignated Fund Balance – for the purchase of a PM2.5 monitor to document potential impacts from CPV Sentinel emissions.
December 2013	\$ 10,000	From the Air Quality Investment Fund – to assist in implementing SCAQMD’s “Mow Down Air Pollution 2014” program.
January 2014	\$ 42,000	From the Undesignated Fund Balance – for the purchase hydrogen sulfide analyzers to be used for odor events.
February 2014	\$ 36,000	From the Undesignated Fund Balance – for the purchase of laptops in the Engineering & Compliance unit.
March 2014	\$ 26,760	From Rule 2202 Air Quality Improvement Fund – for software enhancements to the Lawnmower Exchange Registration system.
March 2014	\$ 372,420	From the U.S. EPA –for the Near Road NO ₂ Monitoring program.
April 2014	\$ 650,000	From one-time revenue – for contracts with outside law firms to assist in environmental lawsuits.
April 2014	\$ 812,000	From one-time revenue – for vehicle replacements, hardware upgrades, and the purchase of analysis and compliance equipment.

BOARD-APPROVED FY 2013-14 BUDGET CHANGES (Cont.)

<u>Date of Board Action</u>	<u>Budget Changes</u>	<u>Description</u>
April 2014	\$ (540,000)	Transfer out funds to the Infrastructure Improvement Fund –for three building improvement projects.
May 2014	\$ 319,455	From the U.S. EPA – for the PM2.5 Monitoring program.
May 2014	\$ 275,000	From the BP Arco Settlements Projects Fund – to update air toxics monitoring laboratory and field equipment and data management software.
	\$ 6,477,464	Total Board-approved FY 2013-14 Budget changes

Sources of Funding:

\$ 1,429,260 Interfund Transfers
\$ 3,456,204 Grants/Contracts
\$ 1,462,000 Amended Revenue
\$ 0 Budget Designations
\$ 130,000 Undesignated Fund Balance

<u>\$129,202,928</u>	FY 2013-14 Adopted Budget
<u>\$135,680,392</u>	FY 2013-14 Ending Budget

BOARD-APPROVED FY 2013-14 GENERAL FUND BALANCE CHANGES

<u>Date of Board Action</u>	<u>Fund Balance Changes</u>	<u>Description</u>
April 2014	\$ (355,847)	From the Undesignated Fund Balance to the Infrastructure Improvement Fund – for the phone system upgrade.
April 2014	\$ (133,470)	From the Undesignated Fund Balance to the Emission Reduction and Outreach Fund – for the Air Quality Institute.

BOARD-APPROVED FY 2013-14 GENERAL FUND BALANCE CHANGES (Cont.)

<u>Date of Board Action</u>	<u>Fund Balance Changes</u>	<u>Description</u>
April 2014	\$ (1,515,000)	From the Undesignated Fund Balance to the Infrastructure Improvement Fund – for building infrastructure improvement projects.
April 2014	\$ (540,000)	From the Undesignated Fund Balance to the Infrastructure Improvement Fund – for building infrastructure improvement projects unable to be contracted out in FY 2013-14.
June 2014	\$ (5,000,000)	From the Undesignated Fund Balance to the Debt Service Fund – for debt service payments to the Pension Obligation Bonds for FY 2015-16 through 2019-20 .
	\$ (7,544,317)	Total Board-approved FY 2013-14 Fund Balance changes

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 21

PROPOSAL: Status Report on Major Projects for Information Management
Scheduled to Start During First Six Months of FY 2014-15

SYNOPSIS: Information Management is responsible for data systems management services in support of all SCAQMD operations. This action is to provide the monthly status report on major automation contracts and projects to be initiated by Information Management during the first six months of FY 2014-15.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:
Receive and file.

Barry R. Wallerstein, D.Env.
Executive Officer

JCM:MAH:OSM:nv

Background

Information Management (IM) provides a wide range of information systems and services in support of all SCAQMD operations. IM's primary goal is to provide automated tools and systems to implement Board-approved rules and regulations, and to improve internal efficiencies. The annual Budget specifies projects planned during the fiscal year to develop, acquire, enhance, or maintain mission-critical information systems.

Summary of Report

The attached report identifies each of the major projects/contracts or purchases that are expected to come before the Board between July 1 and December 31, 2014. Information provided for each project includes a brief project description, FY 2014-15 Budget, and the schedule associated with known major milestones (issue RFP/RFQ, execute contract, etc.).

Attachment

Information Management Major Projects for Period July 1 through December 31, 2014

ATTACHMENT
September 5, 2014 Board Meeting
Information Management Major Projects
for the Period of July 1 through December 31, 2014

Item	Brief Description	Budgeted Funds	Schedule of Board Actions	Status
PeopleSoft and Oracle Software Support	Purchase PeopleSoft and Oracle software support maintenance for the integrated HR/Finance system.	\$238,800	Approve Sole Source Purchase July 11, 2014	Completed
OnBase Software Support	Authorize the sole source purchase of OnBase software subscription and support for one year.	\$120,380	Approve Purchase July 11, 2014	Completed
Systems Maintenance, Enhancements and Support	Provide Maintenance, Enhancements and Support for: <ul style="list-style-type: none"> • CLASS System(s) Enhancements • eGovernment Applications & Infrastructure Development • Software Version Upgrades • PeopleSoft Upgrades 	\$689,500	October 3, 2014	On Schedule
CLASS Database Software Support	Purchase Ingres database software support and maintenance for the CLASS system.	\$212,000	Approve Purchase November 7, 2014	On Schedule

Double-lined Rows - Board Agenda items current for this month

Shaded Rows - activities completed

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 23

REPORT: Administrative Committee

SYNOPSIS: The Administrative Committee met on Friday, July 18, 2014. The Committee discussed various issues detailed in the Committee report. The next Administrative Committee meeting is scheduled for Friday, September 12, 2014 at 10:00 a.m.

RECOMMENDED ACTION:
Receive and file.

Dr. William A. Burke, Chair
Administrative Committee

GC

Attendance: Attending the July 18, 2014 meeting were Committee Members Mayor Dennis Yates and Supervisor Josie Gonzales at SCAQMD headquarters, and Chairman William Burke and Dr. Clark E. Parker, Sr. via videoconference.

ACTION/DISCUSSION ITEMS:

1. **Board Members' Concerns:** None
2. **Chairman's Report of Approved Travel:** Executive Officer Barry Wallerstein advised that there were three trips reported. Dr. Joseph Lyou and Mayor Judith Mitchell attended the CCEEB Summer Issues Seminar on July 13-17, 2014. In addition, Mayor Mitchell will be speaking at the Plug-In 2014 Conference in San Jose on July 28-31, 2014.
3. **Approval of Compensation for Board Member Assistant(s)/Consultant(s):** None to report.

4. **Report of Approved Out-of-Country Travel:** Dr. Wallerstein reported that he authorized a trip for Dr. Philip Fine to participate in a two-day seminar on July 23-24, 2014 at the Mario Molina Center in Chile to review and discuss their air quality management plan. SCAQMD has had a longstanding relationship with Chile which suffers from both ozone and particulate problems. All travel expenses will be paid by the sponsors.

5. **Recent San Bernardino County Employees' Retirement Association (SBCERA) Board Action:** Chief Financial Officer Michael O'Kelly reported that this item is to discuss recent action taken at the San Bernardino County Employees Retirement Association (SBCERA) and to propose staff's recommendations in response to that action. Dr. Wallerstein advised that SCAQMD is the second largest depositor in the retirement fund. SBCERA changed the rate of return on investment for the retirement fund from 7-3/4% to 7-1/2%, which was done with virtually no notice and will result in a significant cost increase in the budget by \$2-1/2 million. It was SCAQMD's position that there should be some process and opportunity for participants to understand what SBCERA is doing and for the Governing Board to provide input or feedback. Mr. O'Kelly appeared before the SBCERA Board to request that SCAQMD be given the option to phase-in the \$2-1/2 million, which request was refused. SCAQMD has \$500 million in the retirement fund, yet it has no voice on the SBCERA Board. Staff recommends that the Chairman send a letter requesting that when SBCERA makes future adjustments of this nature, SCAQMD be given adequate notice and opportunity to understand what is being done for appropriate transparency and fairness. Secondly, it would be up to the Committee and, ultimately, the Governing Board whether it wants to be more aggressive in having actual representation on the SBCERA Board.

Mayor Yates recommended that a letter be sent inquiring what the procedures are to transfer our funds to PERS to see SBCERA's reaction. Supervisor Gonzales added that it should include an inquiry as to a process by which we could be given a seat on the SBCERA Board. Dr. Burke responded that Mayor Yates' suggestion of writing a letter is an excellent idea. He directed staff to explore the legislative possibility of transferring SCAQMD's funds and hiring a legal firm to explore whether SBCERA is willing to give SCAQMD a seat on the Retirement Board. If there is no response for SCAQMD becoming a member of the SBCERA Board, then legislative options should be explored.

Dr. Wallerstein indicated that staff will prepare a letter and also seek outside counsel to provide additional advice on what would be required to either have a representative on the SBCERA Board or to move to a different fund such as PERS, L.A. County or some other appropriate entity.

6. **Funding of an Air Quality Engineer Position:** Deputy Executive Officer Mohsen Nazemi reported that Tesoro Refining and Marketing has requested to fund a position of an Air Quality Engineer in the Office of Engineering & Compliance to help process their applications. Tesoro purchased BP Refinery, four terminals, and a number of other service stations. The District has previously approved this kind of arrangement with Chevron. The request is for a three-year agreement to fund an Air Quality Engineer position and that engineer would be completely under the discretion of the District in terms of assignment of work, performance, and possible replacement with other engineers. Mayor Yates commented in the City of Chino has entered into similar arrangements and cautioned staff to beware of problems that may arise resulting from close relations being formed with the contractors. Mr. Nazemi responded that this employee will be strictly under SCAQMD's direct supervision, mostly working from the office. Dr. Wallerstein added that this is an Air Quality Engineer II with several layers of review above the individual.

Moved by Yates; seconded by Gonzales; unanimously approved.

7. **Request from Child Care Center Operators to Purchase Facility:** Assistant Deputy Executive Officer Bill Johnson reported that staff was in receipt of a letter from Town and Country Preschool and Infant Care Center, the current operator of our child care center. They are requesting to purchase the facility and some adjacent parking area. Currently, the structure itself is valued at approximately \$2.6 million, based on a recent valuation. Staff is seeking direction whether we should consider the purchase or decline the offer. Dr. Wallerstein recommended that the Board decline the offer. The SCAQMD Headquarters is already limited by the current amount of parking. At one time it was thought that the size of occupancy might increase, and the Board had approved buildout of the third floor in the north building. At some point in the future, if the agency ever sold the building or if the Board decided it wanted to construct a parking structure and utilize the existing third floor, it would not be advisable to sell that piece of the parcel. Supervisor Gonzales agreed with the recommendation and suggested that in 15 or 20 years that piece of property could become critical to building expansion.

Moved by Gonzales; seconded by Yates; unanimously approved.

8. **Request to Implement Portions of SCAQMD's Emergency Drought Management and Conservation Plan:** Mr. Johnson reported on water conservation and drought management efforts at SCAQMD's Diamond Bar facility and its other regulated facilities and operations. At the Diamond Bar facility, an analysis was done of opportunities for reduction in water consumption. Based on that analysis, staff recommends a replacement of 16

urinals and replacement of the faucets in all the restrooms and coffee/copy rooms with touch-less faucets. As an interim step, staff proposes the placement of low-flow aerators on all the faucets, which can be done relatively inexpensively. With regard to vegetation, drought-tolerant plants are already in place, but could be switched to more significant drought-tolerant plants. Dr. Wallerstein added that the equipment being replaced is 20 years old, and the cost is not a significant expense and can be handled within the budget.

Moved by Yates; seconded by Parker; unanimously approved.

9. **Execute Contract for Insurance Brokerage Services:** Mr. Johnson reported that this item is to request execution of a contract with Alliant Insurance Services to remain as our insurance brokerage. An RFP was released for which three proposals were received. Staff recommends Alliant, since an evaluation indicated Alliant had a particular type of proprietary insurance product through which we can obtain both our property and liability insurance.

Moved by Gonzales; seconded by Yates; unanimously approved.

10. **Recommendation to Amend Governing Board Meeting Procedures:** General Counsel Kurt Wiese reported that a couple of months ago at the Governing Board meeting the Board directed staff to develop a policy to prohibit last-minute changes to agenda items that were brought before the Board. Therefore, staff recommends revision to the Governing Board Policies and Procedures, providing that no changes can be made to an item after the Friday before the Governing Board meeting, with three exceptions: in the case of emergencies, risk of harm to the public, or a significant loss of funding. Staff also recommends that these policies and procedures be placed in the District's Administrative Code for greater transparency.

Mayor Yates commented that the proposal should only read "Exception: Emergencies," advising that risk of harm to the public and significant loss of funding exceptions are not necessary. The Executive Officer in conjunction with the Chairman would determine if there was an exception under the emergency rule and whether it could be added to the Governing Board agenda. Mr. Wiese advised that this is a Board policy and is a directive to staff about whether the Board is willing to accept a change to an item brought before them at the last minute. Dr. Wallerstein commented that as long as the wording does not cause any legal problems, he will act appropriately.

Moved by Mayor Yates; seconded by Gonzales; unanimously approved with direction to staff to limit the wording to Exception for Emergencies, and add that the Executive Officer in conjunction with the Chairman of the Board will

determine if the change is an emergency and the item needs to be changed.

11. **Issue RFP for Legislative Representation in Sacramento, California:** Deputy Executive Officer Lisha Smith reported that our current contract for legislative representation in Sacramento will expire December 31, 2014. Currently, two firms provide services for us, Gonsalves & Son and Gonzalez, Quintana & Hunter, LLC. A legislative presence in Sacramento is critical to supporting SCAQMD's mission and Governing Board policies. Therefore, staff recommends issuance of an RFP to solicit proposals for legislative representation in Sacramento for 2015. The RFP indicates that it may be extended up to two additional years for one-year terms. The total expenditures for the contract for the first year would be \$250,000. Further, staff recommends a revision in the Board letter and the actual RFP language for one of the referenced bullets to read "Support and expand air quality policy and funding considerations consistent with the proposals for federal transportation legislation adopted by the South Coast Air Quality Governing Board on May 2, 2014." Dr. Burke recommended that the amount of the RFP be \$350,000 for the first year and consider reducing it to \$250,000 after the first year.

Moved by Yates; seconded by Gonzales; unanimously approved with direction to staff to increase the RFP's first year amount to \$350,000.

12. **Airing SCAQMD Governing Board monthly Meetings on Local Public Affairs Channels:** Ms. Smith reported that during the February 2014 Administrative Committee meeting, Chairman Burke led a discussion seeking input with regard to broadcasting the monthly Governing Board meetings on local public access channels throughout SCAQMD's four-county jurisdiction and directed staff to look into the matter. To date 12 cities that operate public education and government channels and two area cable companies that operate public interest channels are interested in rebroadcasting the monthly Governing Board meetings. The cities include Arcadia, Chino, Commerce, Corona, Rancho Cucamonga, Redlands, Santa Clarita, San Bernardino, Torrance, Tustin, Villa Park and Walnut. The cable companies are Charter on its Channel 101 and Cox on its Channel Cox 3. Charter is willing to rebroadcast our meetings pending schedule availability and Cox is willing to air them on a trial basis to see what kind of reception they receive. Time Warner, which is the largest provider in our area, cannot accommodate our request due to the length of the meetings; however, they offered the availability of doing regularly scheduled recaps of the meetings as well as arranging for Board Member interviews covering key air quality issues. All of the meetings will be rebroadcast since none of the interested parties have the capability to air them live due to the uncertainty of the length of the meetings. Our Information Management staff is able to provide the meetings to the outlets via feed or DVD which can be packaged and ready to go

in two or three days after the meeting.

Ms. Smith further advised that Supervisor Gonzales had previously mentioned that a message should go out with the meetings. Prior to each Board meeting, PSAs and videos are run that promote our smart phone apps, the Lawn Mower Exchange and Check Before You Burn program. These can be offered to provide an opportunity to get our message out to the communities. Additionally, the Time Warner interviews provide added opportunities for getting SCAQMD's message out. Staff seeks the Committee's approval to move forward with the commitment to rebroadcast the Board meetings on these public education and government channels. If approved at the September Board meeting, rebroadcastings could begin with the October meeting.

Dr. Parker inquired whether the outlets would be willing to give us an hour or two hours. He suggested reorganizing the hearings and matters by priority to include them within that first hour or two hours. Ms. Smith responded that staff would revisit those cities and entities that have said they could not accommodate the request due to the length, suggested by Dr. Parker's proposal. Supervisor Gonzales commented that if there is an opportunity to look at how staff might internally reformat the meetings in a way that is more acceptable to the television delivering audience, then that should be done first for reconsideration by those who have declined. Ms. Smith responded that, since Time Warner Cable would like recaps of the Board meetings, we could possibly develop 20-minute recaps where highlights are selected regarding critical agenda items that are being discussed, switching off to that portion of the Board meeting. Staff could prepare a brief newscast on the Board meeting and present it in the 20-minute format that would fit into a 30-minute segment. Since recaps are being prepared for Time Warner, this proposal could be pitched as well.

Moved by Gonzales; seconded by Yates; unanimously approved.

13. **Local Government & Small Business Assistance Advisory Group Minutes for the April 11 Meeting (written report):** Attached for information only are the minutes from the April 11, 2014 meeting of the Local Government & Small Business Assistance Advisory Group.
14. **Review of the September 5, 2014 Governing Board Agenda:** There were no questions on the September 5, 2014 Governing Board Agenda.
15. **Other Business:** Supervisor Gonzales referenced an article regarding Metrolink cutting its service on the San Bernardino line. Metrolink recently came before SANBAG to request an 8% increase. The request was turned down on the basis that Metrolink had not done its best to curtail its expenses and obligations similar

to other agencies that had trimmed expenses and had not given raises to their employees. The article implied that reduction in service was a reaction to SANBAG not approving the requested increase. She also indicated that this has great potential to impact air quality and requested that staff look into it and come back to the Committee with a report or position on whether SCAQMD should be involved.

16. **Public Comment:** None.

Meeting adjourned at 11:05 a.m.

Attachments

Local Government & Small Business Assistance Advisory Group Minutes from the April 11, 2014 meeting



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

LOCAL GOVERNMENT & SMALL BUSINESS ASSISTANCE ADVISORY GROUP FRIDAY, APRIL 11, 2014 MEETING MINUTES

MEMBERS PRESENT:

Dennis Yates, Mayor, City of Chino and LGSBA Chairman
Ben Benoit, Councilman, City of Wildomar and LGSBA Vice Chairman
Paul Avila, P.B.A. & Associates
Geoffrey Blake, Metal Finishers of Southern California/All Metals
Todd Campbell, Clean Energy
John Hill, Riverside County Representative
Maria Elena Kennedy, Kennedy Communications
Rita Loof, RadTech International
Kelly Moulton, Paralegal
Lupe Ramos Watson, Councilmember, City of Indio

MEMBERS ABSENT:

Felipe Aguirre, Councilmember, City of Maywood
Mary Ann Lutz, Mayor, City of Monrovia

OTHERS PRESENT:

Earl Elrod, Board Member Assistant (*Yates*)
David Rothbart, Los Angeles County Sanitation District
Mark Abramowitz, Board Member Assistant (*Lyou*)

SCAQMD STAFF:

Connie Day, Program Supervisor
Nancy Feldman, Principal Deputy District Counsel
Philip Fine, Assistant Deputy Executive Officer
Jason Low, Atmospheric Measurements Manager
Matt Miyasato, Deputy Executive Officer
Lisa Tanaka-O'Malley, Community Relations Manager
Laki Tisopulos, Assistant Deputy Executive Officer
Elaine-Joy Hills, AQ Inspector II
Jeanette Short, Senior Administrative Secretary
Danielle Soto, Senior Public Information Specialist

Agenda Item #1 - Call to Order/Opening Remarks

Mayor Dennis Yates called the meeting to order at 11:30 a.m.

Agenda Item #2 – Approval of February 14, 2014 Meeting Minutes/Review of Follow-Up/Action Items

Chair Yates called for approval of the February 14, 2014 meeting minutes. The Minutes were approved unanimously.

There were no follow-up/action items from the February meeting.

Agenda Item #3 – Update on Monitoring Activities

Mr. Jason Low provided an update on the monitoring activities in the City of Duarte and Azusa from August 2005 through September 2008 to assess air pollution concerns from quarry activity.

Mr. Paul Avila inquired if SCAQMD is using more modern technology. Mr. Low stated the monitors used are directly comparable to the federal equivalent method.

Mr. Avila asked what happens if in a particular month a company exceeded their emissions due to high demands. Mr. Low responded that each company has permit limits and they would have to stay within those limits.

Ms. Kelly Moulton asked if this was in the Fish Canyon area and when would they cease their operation. Mr. Low confirmed the location and stated that they have an agreement with the city for 35 years.

Agenda Item #4 – Update on AB 1318 Projects

Ms. Connie Day provided staff a current update on the environmental projects in the Coachella Valley.

Mr. Geoff Blake asked where the grant money came from. Ms. Day explained the grant money came from mitigation funds from the Sentinel Power Plant.

Mr. John Hill asked if there were any housing near the power plant. Councilmember Benoit stated that Desert Hot Springs has some housing near the plant.

Mr. Hill stated there were a lot of complaints because people were not aware of the power plant. Councilmember Benoit stated that there were many meetings and front page articles about the project. He continued by saying that AB1318 mitigation funds was originally designated to Southern California; however, changed to just the Coachella area.

Mr. Hill asked if the weatherization program was for all schools. Ms. Day responded that schools had to apply for the grants. Councilman Benoit added that Environmental Justice (EJ) areas ranked higher and Palm Desert was not one of them because it was not an EJ area. Councilman Benoit stated that they have better buildings and the new high school has a much

better air conditioning system, whereas Coachella Valley Unified School District has older buildings.

Dr. Matt Miyasato stated that the schools applied and were prioritized but the unified school districts selected them.

Ms. Moulton asked if the projects from AB1318 had a sunset date or if it was on-going. Dr. Philip Fine responded there was a one-time mitigation fee; however, after all the contracts had been paid they would look at backup projects to award any remaining funds.

Ms. Moulton asked what the results of the projects would be. Dr. Fine stated that some would have long time effects such as the CV Link. He continued to say that staff would do our best to calculate emission reductions achieved from these projects.

Ms. Moulton asked about the air filtration program in the schools. Dr. Fine stated the contract for that program was five years and it would be up to the school district to continue through other funding.

Ms. Lupe Watson Ramos stated that the air filtration project was for other pollutants and there was not a nexus to the Sentinel Power Plant. She stated that contractors went to the schools to inform them of the funds available and had concerns that those schools may not have made the best decision.

Ms. Maria Elena Kennedy inquired about discussion of the Polancos. Ms. Day stated it was a contract to pave multiple locations in Riverside County.

Ms. Kennedy asked if there would be any opportunity for infrastructure. Ms. Day responded not with these funds. Ms. Kennedy asked, although not major infrastructure, about sidewalks. Mayor Yates stated that type of infrastructure would be at the local level and not with AB1318 funds. Councilmember Benoit concurred.

Agenda Item #5 – Air Filtration Update

Dr. Philip Fine presented an update on SCAQMD's air filtration program in schools near the Ports of Los Angeles and Long Beach (TraPac and Valero settlements), Boyle Heights and San Bernardino (UnoCal Reformulated Gasoline Settlement grants), and Coachella Valley (AB1318 grants).

Ms. Rita Loof asked what the volatile organic compound (VOC) release events were. Dr. Fine said near refineries there were two situations, general VOC emissions from refineries but also the communities are concerned about what children would do in the event that there was an upset condition at the refinery. Dr. Fine added that the results were not conclusive and there are still technical challenges for cost-effective VOC removal.

Ms. Loof asked if there were fugitive VOC emissions or normal operating emissions leaving the stacks. Dr. Fine stated most are likely fugitive, and that part of the funding for this project came from fees collected due to these types of emissions.

Mr. Blake asked at what particle size would obtain 90% efficiency. Dr. Fine stated that it was ultra fine particles, less than 100 nano meters.

Mr. Blake asked if they sold air filtrations for homes. Dr. Fine responded that the company does sell a version for home use but that SCAQMD has not tested them.

Agenda Item #6 – Monthly Report on Small Business Assistance Activities

No comments.

Agenda Item #7 - Other Business

No comments.

Agenda Item #8 - Public Comment

No comments.

Adjournment

The meeting adjourned at 12:11 p.m.

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 24

REPORT: Legislative Committee

SYNOPSIS: The Legislative Committee held a meeting on Friday, July 18, 2014. The next Legislative Committee meeting is scheduled for Friday, September 12, 2014 at 9 a.m. in Conference Room CC8.

RECOMMENDED ACTION:
Receive, and file this report.

Josie Gonzales
Chair
Legislative Committee

LBS:GS:PFC:jf

Attendance [Attachment 1]

The Legislative Committee met on July 18, 2014. Committee Chair Supervisor Josie Gonzales and Mayor Judy Mitchell were present at SCAQMD's Diamond Bar headquarters. Committee Members Supervisor Michael Antonovich and Dr. Clark E. Parker, Sr. attended via videoconference.

Update on Federal Legislative Issues

SCAQMD federal legislative consultant Mia O'Connell, of the Carmen Group, updated the Committee on key Washington D.C. issues.

She reported on SCAQMD staff's recent trip to Washington, D.C. (D.C.) to meet with key staff for Congressmen Ken Calvert, Gary Miller, and Duncan Hunter, as well as with staff of soon-to-be House Majority Leader Kevin McCarthy. The meetings, coordinated by the Carmen Group, focused on efforts to promote SCAQMD's specific legislative proposals for the MAP-21 transportation bill, as well as on the Diesel Emission Reduction Act (DERA) funding language relative to the U.S. House Interior, Environment Appropriations bill.

Ms. O'Connell also reported on SCAQMD staff's meeting with staff for Rep. Albio Sires of New Jersey (who represents the port- and freight-heavy area of New York and New Jersey) and discussed freight transportation and air quality issues common to both the New York/New Jersey and South Coast regions. A meeting was also held with the D.C. government affairs representative for Sempra Energy who is assisting in coalition building supportive of SCAQMD's legislative proposals.

Ms. O'Connell also shared that while SCAQMD staff was in D.C., the House Appropriations Committee approved its version of the Interior, Environment Appropriations bill for FY 2015, which includes bill and legislative report language on EPA targeted airshed grant DERA funding. Carmen Group has been working with Congressman Calvert's office for the last few months on this provision. SCAQMD staff personally thanked Congressman Calvert's staff for their concerted efforts in working with Committee staff to secure this language. This language would add \$10 million in additional DERA grant funding to be distributed on a competitive basis to the nation's top five non-attainment areas with regard to ozone or PM 2.5 standards. The \$10 million grant is in addition to the \$30 million already provided in DERA funds. The bill is expected to be approved by the full House before the August recess. This will set up an eventual conference negotiation with the Senate later in the year, as the Senate is not expected to finalize its appropriations bills before the November election.

Also while SCAQMD staff was in D.C., the House moved ahead to approve a temporary fix to the Highway Trust Fund (HTF), adding nearly \$11 billion in new funding needed to maintain current programs and spending levels through May 2015.

Ms. O'Connell reported that a longer-term MAP-21 reauthorization bill will be delayed at least until after the election. SCAQMD staff is continuing to work with delegation staff and others on educating Congress about SCAQMD's legislative proposals for MAP-21, which are focused on more efficient freight transportation and air quality issues.

She concluded her report by sharing that staff and consultants have been working with Congressman Calvert's office and others to build support for SCAQMD's recently submitted application for the FY14 EPA DERA Grant funding under EPA's Clean Diesel Funding Assistance Program. EPA anticipates Notice of Selection in September 2014 with awards in fall or winter.

SCAQMD federal legislative consultant Mark Kadesh, of Kadesh & Associates, next updated the Committee on additional key Washington D.C. issues.

Mr. Kadesh shared details on SCAQMD staff's D.C. meetings his office coordinated. Those meetings entailed discussions on SCAQMD transportation legislative priorities, particularly sustainable freight, with Congressional offices. The meetings were held

with the offices of Senators Dianne Feinstein and Barbara Boxer, Congressman Henry Waxman, and with Congresswomen Lois Capps and Janice Hahn, as well as with the Senate Committees on Environment and Public Works (EPW) and Commerce. While the offices were receptive to our proposals, limited resources was the general issue of concern. Additionally, in terms of timing, there may not be a new long-term transportation reauthorization bill passed prior to the formation of the next Congress in 2015.

In response to Senator Boxer's request that SCAQMD help broaden support for our proposals with Senators outside California, particularly those on the EPW Committee, the Kadesh team and SCAQMD staff met with the offices of Senator Cory Booker from New Jersey, who has the Port of Newark in his district, and with Senator Tom Carper from Delaware. The offices of both Senators Carper and Booker were supportive of the SCAQMD proposals.

Mr. Kadesh also reported that the Senate is likely to vote on the house HTF bill soon. Senator Boxer is concerned that although there will be a short-term funding fix, there will not be any policy fix. He added that Senator Boxer may push for an authorization extension with policy fixes in the lame duck session to accompany the extension of funding. In all likelihood the HTF funding patch will be passed before the deadline and there will be transportation funding through May 2015.

Finally, Mr. Kadesh informed the Committee that on the appropriations front, the House has passed six bills and has marked up another five. The Senate has done very little, and it is unclear how much will be accomplished by the November elections.

The expectation is that the Senate will come back in November and December and pass a continuing resolution or some of the pending appropriations bills to fund the government.

Update on Sacramento Legislative Issues

SCAQMD state legislative consultant Delaney Hunter, of Gonzalez, Quintana & Hunter, briefed the Committee on key Sacramento issues.

Ms. Hunter reported on three pieces of legislation of interest to SCAQMD:

- 1) AB 69 (Perea) - This bill, which was gutted just before the legislative recess began in July, would delay the inclusion of motor vehicle fuels within the state cap and trade program for a three year period. The bill is currently in the Senate Rules Committee. It is expected that after the recess ends (Aug. 4th) that this bill will be sent to a policy committee, most likely the Senate Environmental Quality Committee. It is expected that this bill is not likely to get passed into law.

Others that would be under the cap and trade program, such as the electric sector, are strongly opposed to this bill.

- 2) AB 2389 (Fox) – This bill was passed and signed by the Governor just before the legislative recess. This bill provides tax incentives for the aerospace industry and some property tax incentives for electric battery manufacturers. This bill is seen as a large benefit to Tesla.
- 3) SB 1309 (Steinberg/Gaines) – This bill is aimed at courting Tesla into building a battery factory in California. This is an intent bill only, but does mention financial incentives, such as tax credits, and/or regulatory and environmental streamlining for the creation of a factory.

Mayor Judy Mitchell asked if SCAQMD has taken any positions on AB 2389 or SB 1309 and Supervisor Gonzales responded in the negative.

SCAQMD state legislative consultant Paul Gonsalves, of Joe A. Gonsalves & Son, also briefed the Committee on other key Sacramento issues.

Mr. Gonsalves reported that the Legislature is on summer recess from July 3rd until Aug. 4th. This will leave about four weeks of the legislative session remaining, which will include a number of important deadlines, including: Aug. 15th as the last day for fiscal committees to meet; and Aug. 18th through Aug. 31st for floor session only.

Mr. Gonsalves also informed the Committee that AB 1102 is set to be heard in the Senate Appropriations Committee on Aug. 4th. In the meantime, meetings will be set up with members of the Senate Appropriations Committee.

He added that a high profile issue is being dealt with in Sacramento, the water bond. There is currently an \$11.1 billion water bond on the ballot that was part of negotiations from 2009 and a number of existing bills are focused on replacing the current bond measure on the ballot. Just before the summer recess the Senate took up SB 848 by Sen. Wolk, which failed passage on the floor. Subsequently, negotiations were started with the Governor, who would like a smaller water bond than those desired by legislative leaders. There is optimism that a deal can be reached once the legislative recess ends.

Supervisor Gonzales inquired about the impact of the drought on the water bond negotiations. Mr. Gonsalves responded that the Governor and legislative leaders see the drought as an opportunity to push a successful water bond effort on the ballot.

Report from SCAQMD Home Rule Advisory Group [Attachment 2]

Please refer to Attachment 2 for written report.

Other Business:

None

Public Comment Period:

No public comment.

Attachments

1. Attendance Record
2. SCAQMD Home Rule Advisory Group Report

ATTACHMENT 1

ATTENDANCE RECORD –July 18, 2014

DISTRICT BOARD MEMBERS:

Supervisor Josie Gonzales
Supervisor Michael Antonovich (Videoconference)
Mayor Judy Mitchell
Dr. Clark E. Parker, Sr. (Videoconference)

STAFF TO COMMITTEE:

Lisha B. Smith, Deputy Executive Officer
Derrick Alatorre, Assistant Deputy Executive Officer/Public Advisor
Guillermo Sanchez, Senior Public Affairs Manager (teleconference)
Julie Franco, Senior Administrative Secretary

DISTRICT STAFF:

Barry R. Wallerstein, Executive Officer
Barbara Baird, Chief Deputy Counsel
Elaine Chang, Deputy Executive Officer
Philip Fine, Assistant Deputy Executive Officer
Bay Gilchrist, Assistant Chief Deputy Council
Peter Greenwald, Senior Policy Advisor
Mohsen Nazemi, Deputy Executive Officer
Laki Tisopulos, Assistant Deputy Executive Officer
Leeor Alpern, Senior Public Information Specialist
Debra Ashby, Senior Public Information Specialist
Marc Carrel, Program Supervisor
Hannea Cox, AQ Engineer II
Tina Cox, Senior Public Information Specialist
Philip Crabbe, Community Relations Manager
Robert Paud, Telecommunications Technician II
Danielle Soto, Senior Public Information Specialist
Kim White, Public Affairs Specialist
Patti Whiting, Staff Specialist

OTHERS PRESENT:

Mark Abramowitz, Governing Board Member Consultant (Lyou)
Tricia Almiron, SANBAG
Curt Coleman, So. Cal AQ Alliance
Kris Flaig, City of Los Angeles/Sanitation
Paul Gonsalves, Gonsalves & Son (teleconference)
Erin Hafkenschief, California Environmental Associates
Stewart Harris, Carmen Group (teleconference)
Gary Hoitsma, Carmen Group (teleconference)
Delaney Hunter, Gonzalez, Quintana & Hunter (teleconference)
Chris Kierig, Kadash & Associates (teleconference)
Chung Liu, Governing Board Member Consultant (Mitchell)
Rita Loof, RadTech
Mia O'Connell, Carmen Group (teleconference)
David Rothbart, Los Angeles County Sanitation District
Andy Silva, Governing Board Assistant (Gonzales)
Susan Stark, Tesoro
Lee Wallace, So. Cal Gas/San Diego Gas & Electric
Warren Weinstein, Kadash & Associates (teleconference)

ATTACHMENT 2

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

LEGISLATIVE REPORT FROM HOME RULE ADVISORY GROUP MEETING OF JUNE 18, 2014

HRAG members present:

Dr. Joseph Lyou, Chairman

Dr. Elaine Chang, SCAQMD

Mike Carroll, Latham & Watkins on behalf of the Regulatory Flexibility Group

Curt Coleman, Southern California Air Quality Alliance

Bill LaMarr, California Small Business Alliance

Rongsheng Luo, SCAG (participated by phone)

Art Montez, AMA International

Bill Quinn, CCEEB (participated by phone)

Terry Roberts, American Lung Association of California

David Rothbart, Los Angeles County Sanitation Districts

Lee Wallace, So Cal Gas and SDG&E

Mike Wang, WSPA

SCAQMD staff: Philip Crabbe, Jill Whynot, Bill Wong, and Marilyn Traynor

LEGISLATIVE UPDATE

Philip Crabbe provided a report on items that were discussed at the Legislative Committee meeting on June 13, 2014.

Federal

The consultant reported as follows: Congressman Eric Cantor submitted his resignation from the U.S. House of Representatives leadership and will likely be replaced by Congressman Kevin McCarthy (California) as Majority Leader of the House. The U.S. Senate will soon be starting the process for a minibus appropriations bill on the Senate floor that will likely include areas of transportation, commerce, justice, and agriculture. The U.S. Senate Appropriations Energy and Water Subcommittee is expected to mark up its new FY 2015 appropriations bill soon, and there is optimism that the \$10 million zero emissions goods movement grant program will continue to receive funding. RFPs for the FY 2014 version of that program had an application deadline of June 11, 2014. The House Energy and Commerce Committee's Subcommittee on Energy and Power is holding a hearing with the EPA Administrator Janet McCabe on the EPA's proposed power plant carbon rules. The Senate Environmental and Public Works Committee will be holding a committee hearing on the issue to demonstrate bi-partisan support for these proposed rules. The Highway Trust Fund will run out of money around July or August so additional funding will need to be identified. Speaker Boehner and other House GOP leaders have proposed to transfer about \$10 billion in new money into the Highway Trust Fund which would maintain current programs and spending levels through approximately May 2015. The plan is for the funds to be generated from savings attributed to reform of the U.S. Postal Service, essentially ending all or a portion of Saturday deliveries. However, it is more likely that Congress will appropriate new money from the General Fund to cover the current shortfall. The House and Senate are focused on a short-term extension of the existing surface transportation bill, with a long-term bill likely deferred until after the November elections.

State

The consultant reported as follows: The Governor and the Legislative leaders have agreed to the framework for the state budget; the Governor’s proposal to spend 33% of cap and trade funding on high-speed rail has been negotiated down to 25%. The breakdown of the remaining cap-and-trade funding is: 15% to transit, 20% to affordable housing near transit, and 40% to transit and energy efficiency/natural resources projects.

The consultant talked about the following deadlines:

Subject	Date
Deadline for state budget to be passed	June 15, 2014
Deadline for the Legislature to qualify measures for the November 4, 2014 ballot	June 26, 2014 (could be extended to July 3, 2014)
Legislature will be on recess	In between July 3 and August 4, 2014
Last day for the fiscal committees to handle bills	August 15, 2014
Last day of two-year legislative session	August 31, 2014

The following bills were also reported on:

SB 1077 (DeSaulnier)

This bill would require a pilot program to study the feasibility of a mileage based fee by CalTrans to replace the current fuel excise tax. This bill currently has no opposition.

SB 1121 (De León)

This bill, which involves an issue that the Senator has supported for a couple of years, would create a centralized funding program to pay for greenhouse gas emission reduction projects. No specific funding source has been identified yet.

The Legislative Committee discussed and took action on the following items:

Item	Legislative Committee Action
Amend existing contract with the Carmen Group Inc. for representation in Washington, D.C.	Approve
AB 1720 (Bloom) Vehicles: Bus Gross Weight	Support
AB 1857 (Frazier) Department of Transportation: Vehicle and Equipment Procurement	Support
AB 2565 (Muratsuchi) Rental Property: Electric Vehicle Charging Stations	Move to Board for Discussion

Discussion on State Issues

Mr. Montez asked for background on AB 2565 (Muratsuchi). Mr. Crabbe responded that AB 2565 would allow a commercial or residential tenant to install an electric vehicle charging station in a leased parking space if the tenant is willing to pay for all of the costs associated with installation and operation of the charging station. Mr. Montez was concerned that the high cost of the charging stations would prevent impacted, low-income communities from participating in the program.

Dr. Lyou responded that Kevin de León (who was elected Senate President Pro Tem Elect on June 16, 2014) is working to make this advanced technology available for low-income communities.

He was the author of a bill (sponsored by Coalition for Clean Air) that required a certain percentage of cap-and-trade money to be spent in disadvantaged communities, and there was a similar companion bill authored by then Speaker Pérez. Dr. Lyou explained that, although not everyone can afford to install an electric vehicle charging station, the bill would require the property owner to allow a renter to install the station if the renter wants to install the station and is willing to pay the associated costs.

Mr. Wang asked what the concerns of the Legislative Committee members were who did not support staff's recommendation to support the bill. Mr. Crabbe clarified that staff's position of support was rejected 3 to 2; however, the item was moved to the full Board for discussion and for possible Board position. Mr. Crabbe believed that the primary reservation was possible infringement on the property rights of the landlord. Mr. Montez suggested that the Board find incentives for disadvantaged communities so infrastructure can be installed.

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 25

REPORT: Mobile Source Committee

SYNOPSIS: The Mobile Source Committee met on Friday, July 25, 2014. Following is a summary of that meeting. The next Mobile Source Committee meeting is scheduled for Friday, September 19, 2014 at 9:00 a.m.

RECOMMENDED ACTION:
Receive and file.

Dr. Joseph Lyou, Acting Chair
Mobile Source Committee

EC:fmt

Attendance

Committee Vice Chair Dr. Joseph Lyou attended the meeting at SCAQMD headquarters, and Committee Members Mayor Pro Tem Ben Benoit and Supervisor Shawn Nelson attended via videoconference. Committee Chair Dr. Clark E. Parker, Sr., and Committee Member Mayor Judith Mitchell were absent.

The following items were presented:

INFORMATIONAL ITEM:

2) Status Report on Truck Trip Study

Ms. Susan Nakamura, Director of Strategic Initiatives, provided a report of the results from the SCAQMD High Cube Warehouse Truck Trip Study. Ms. Nakamura summarized the current practices used to determine warehouse trip rates in CEQA documents, discussed the study's results, summarized recommendations from business representatives and provided options and staff recommendations for potential usage of the Truck Trip Study findings.

Mr. Peter Herzog, representing NAIOP (Commercial Real Estate Development Association), indicated that he had been a part of the Working Group formed for this

study since its inception two years ago, and that he appreciated the changes that staff had made since then based on stakeholder feedback. Mr. Herzog agreed with staff's interim recommendation to use the Institute of Transportation Engineers (ITE) trip rates and recommended that this be made permanent. Mr. Herzog expressed concern that staff was proposing multiple trip rates when ITE already has a process for providing new trip rates. He also expressed concern that cold storage facilities may not be accurately captured in the Truck Trip Study due to a low number of data points, and the potential difference between cold storage facilities, for example those with freezers versus those with refrigeration only. Mr. Herzog was also concerned that the composite rate presented for the Truck Trip Study is based on limited data and may assume warehouses with cold storage represent a larger fraction of all warehouses than in reality. Lastly, he was concerned with the peaking factor and felt that the data used to derive this data were not obtained in a scientifically, legally, or professionally defensible manner. Mr. Herzog concluded by recommending permanent use of ITE trip rates, working with ITE to improve their guidance, and to bringing this matter to a close.

Supervisor Nelson commented that he appreciated that staff has evolved on this issue and is now moving towards recommending ITE trip rates. He expressed that staff should submit the Truck Trip Study to ITE, including its recommendation for a new subcategory for high cube warehouses with cold storage. Supervisor Nelson stated that as ITE is considered the 'gold standard', then its process should be used by staff. He also stated that some warehouses, such as a large Skechers facility in Moreno Valley, may reduce truck trips for that business by consolidating the function of several buildings under one roof. If businesses are reducing trips by becoming more efficient, he felt that this should be rewarded and encouraged. Dr. Barry Wallerstein, Executive Officer, responded that the trip rates being studied are generally used for CEQA analyses, and that while some facilities may consolidate operations and reduce trips regionally, there may be local increased traffic that could affect residences or schools. He stated that because some air quality standards are based on short time periods (e.g., ≤ 24 hours), that there is a need to consider peak trip rates in CEQA analyses. Dr. Wallerstein also indicated that SCAG determined that 400 million square feet of new warehousing is needed by 2035; however, over 100 million square feet has already been entitled in the past few years.

Dr. Lyou asked staff which of the two options presented would be more defensible under CEQA. Ms. Barbara Baird, Chief Deputy Counsel, stated that both options are based on substantial evidence and are defensible; however, the option with multiple trip rates may be pointed to as being more appropriate in some cases. She indicated that courts typically defer to lead agencies' decisions about what constitutes substantial evidence. Dr. Lyou also inquired about how often ITE updates its guidance and expressed concern about the potential of projects being approved using

an option that doesn't consider more nuanced trip rates besides ITE's current rate. Dr. Wallerstein responded that ITE updates its guidance approximately every four years. Dr. Lyou asked how resource-intensive it would be to continue collecting data on this industry and noted that there appears to be variability in the data for warehouses without cold storage whereas warehouses with cold storage appear more similar, albeit with fewer data points. Dr. Wallerstein indicated that the logistics industry in our region handles 40% of all container traffic in the nation, is important to the local economy, and therefore dedicating resources to understand local conditions is worthwhile. He also stated that it is staff's desire, whether regarding assessment of warehouses or other industries like refineries or auto body shops, to use data that matches local conditions in SCAQMD. Dr. Wallerstein stated that the Truck Trip Study only collected a few data points on cold storage facilities; however, the data appear significantly different from non-cold storage and correlated well, and that more data are needed. He also stated that the composite trip rate can vary based on which data set is used, for example data from a California Energy Commission study showed that cold storage facilities make up 14.7% of the statewide building stock, while those in Southern California Edison's territory make up approximately 7.8%, and developers are anecdotally reporting perhaps 3-4% cold storage in their inventory, and that this dataset can also be improved.

Supervisor Nelson stated that staff should follow existing protocols to request that ITE improve their guidance to the extent possible and reach out to see if they can accommodate our needs, rather than speculating about what they might do in a few years. Dr. Wallerstein indicated that he would personally reach out to ITE to discuss this matter.

[Supervisor Shawn Nelson arrived to the videoconference site at 9:24 a.m.]

ACTION ITEM:

1) Issue Program Announcements for Electric Lawn Mower Vendors, Licensed Scrappers and Support Service Providers

Mr. Shashi Singeetham, Air Quality Specialist, provided a brief summary of the Lawn Mower Exchange Program since its inception, a recap of the 2014 Lawn Mower Exchange Program, and a brief summary of the proposed 2015 events. Mr. Singeetham presented the requirements of the Program Announcements for the Lawn Mower Exchange Program, Licensed Scrapper/Recyclers, and Support Service Providers; and the staff recommendation for the approval of the release of the Program Announcements.

Dr. Lyou asked whether the specific guidelines for the licensed scrappers remained the same as before. Mr. Singeetham said that the scrappers had to meet the same guidelines as before.

Moved by Benoit; seconded by Nelson; and unanimously approved.

WRITTEN REPORTS:

3) Rule 2202 Activity Report

The report was received as submitted.

4) Monthly Report on Environmental Justice Initiatives – CEQA Document Commenting Update

The report was received as submitted.

OTHER BUSINESS:

None

PUBLIC COMMENT:

None

The meeting was adjourned at 10:00 a.m.

Attachment

Attendance Roster

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
MOBILE SOURCE COMMITTEE MEETING
Attendance Roster- July 25, 2014**

NAME	AFFILIATION
Committee Vice Chair Dr. Joseph Lyou	SCAQMD Governing Board
Committee Member Ben Benoit	SCAQMD Governing Board (<i>via videoconference</i>)
Committee Member Shawn Nelson	SCAQMD Governing Board (<i>via videoconference</i>)
Bill Pearce	Boeing
Susan Stark	Tesoro
Curtis Coleman	Southern California Air Quality Alliance
Peter Herzog	NAIOP, Commercial Real Estate Development Association
Curtis Coleman	Southern California Air Quality Alliance
Peter Whittingham	Curt Pringle & Associates
Lee Wallace	Southern California Gas Company
Barry Wallerstein	SCAQMD Staff
Elaine Chang	SCAQMD Staff
Barbara Baird	SCAQMD Staff
Matt Miyasato	SCAQMD Staff
Henry Hogo	SCAQMD Staff
Laki Tisopulos	SCAQMD Staff
Peter Greenwald	SCAQMD Staff
Chris Marlia	SCAQMD Staff
Susan Nakamura	SCAQMD Staff
Jean Ospital	SCAQMD Staff
Fred Minassian	SCAQMD Staff
Joe Cassmassi	SCAQMD Staff
Carol Gomez	SCAQMD Staff
Ian MacMillan	SCAQMD Staff
Shashi Singeetham	SCAQMD Staff
Sam Atwood	SCAQMD Staff

 Back to Agenda

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 26

REPORT: Stationary Source Committee

SYNOPSIS: The Stationary Source Committee met Friday, July 25, 2014.
Following is a summary of that meeting.

RECOMMENDED ACTION:
Receive and file.

Dr. Joseph Lyou, Vice Chair
Stationary Source Committee

EC:am

Attendance

The meeting began at 10:30 a.m. In attendance at SCAQMD Headquarters was Dr. Joseph Lyou. Mayor Pro Tem Ben Benoit and Supervisor Shawn Nelson attended via videoconference. Absent were Mayor Dennis Yates and Mayor Judith Mitchell.

INFORMATIONAL ITEMS

1. Report on 2013/2014 Check Before You Burn Program and Summary of the Wood Stove and Fireplace Change-Out Voucher Incentive Program

Joe Cassmassi, Planning and Rules Manager, provided the Committee with a summary of last winter's Check Before You Burn program and the ongoing wood stove/fireplace change-out incentive program. Mr. Cassmassi explained that the Check Before You Burn program is guided by Rule 445 provisions and that a total of 16 no-burn days were called during last winter (November through February). He also described that there are continuing efforts to improve the PM2.5 forecast models. Mr. Cassmassi then described that the current fireplace/wood stove incentive program is generally applicable to residences and businesses in inland, peak PM2.5 areas and that participants can work with a variety of participating retailers to install cleaner alternatives to traditional wood-burning devices. He noted

that the incentive program is effective but that Committee guidance was requested regarding SCAQMD staff's suggestions to expand program eligibility to a larger geographic area and to increase program outreach. There were no public questions or comments regarding this item. Mayor Pro Tem Ben Benoit stated that opening the program to all of western Riverside County would help the public to more easily understand program eligibility and also asked if product self installation could be allowed. Joe Cassmassi indicated that sufficient funds are available to expand the program area. Dr. Barry Wallerstein, Executive Officer, added that the retailer installation requirement needs to be considered in the context of ensuring that products are actually put into Basin residences, and SCAQMD's liability associated with product installation. Dr. Lyou agreed that it would be good to expand the program and mentioned that staff should consider targeting outreach based on wind patterns.

2. Rule 1153.1 – Emissions of Oxides of Nitrogen from Commercial Food Ovens

Joe Cassmassi gave a presentation on Proposed Rule (PR) 1153.1 which will remove food ovens, roasters and smokehouse ovens from Rule 1147 and place them in a new rule with higher emission limits and later compliance dates than Rule 1147. The proposal addresses comments raised at the Public Workshop on April 2, 2014. Dan McGivney of The Gas Company requested that the carbon monoxide (CO) limit in PR 1153.1 be removed because it is unnecessary – the SCAQMD is in compliance with the ambient air quality standard for CO. The CO limit could be added later after additional information is available from Rule 1147 implementation. Kelly Bowles of Bimbo Bakeries requested that mitigation fees previously paid for Rule 1147 compliance be refunded or credited towards other SCAQMD fees. She also requested that changes to permits to remove Rule 1147 permit conditions be charged an administrative change fee. Dr. Wallerstein stated that those requests would be considered.

3. Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

Naveen Berry, Planning and Rules Manager, presented an overview of Proposed Amended Rule (PAR) 1151 to make administrative amendments to remove obsolete language and align transfer efficiency requirements with the implementation of the state suggested control measure. Bill LaMarr, representing the California Small Business Alliance, indicated that staff has addressed concerns raised during the rule development process. Dr. Joseph Lyou inquired about the completion of the tertiary butyl acetate (TBAC) use assessment included in the last amendment. Staff responded that no TBAC-containing automotive coatings were previously or currently used in the District. Dr. Lyou directed staff to ensure that a future technology assessment for TBAC-containing automotive coatings is conducted after

OEHHA's review is completed. Staff mentioned that PAR1151 contains another TBAC use assessment by December 31, 2016.

4. Rule 1110.2 Status Update on Biogas Engine Technology/Rule Implementation Assessment

Al Baez, Program Supervisor for the BACT group in the Technology Advancement Office, provided a status report of ongoing biogas control technology/rule implementation efforts, per the direction of the Board Resolution for the amendments to Rule 1110.2 on September 7, 2012. The items presented included on-going projects for the demonstration of selective non-catalytic emission reduction retrofit system on a biogas engine in addition to a nationwide survey of biogas clean-up systems and development of a toolkit to estimate costs which was made available to stakeholders for their review and feedback. Projects summarized included the NOxTech demonstration at Eastern Municipal Water District, Orange County Sanitation District's plans to retrofit the rest of their biogas engines with biogas clean-up and SCR/Oxidation catalysts and the Ox Mountain Landfill at Half Moon Bay, California experience regarding the retrofit of a biogas engine with clean-up system and SCR catalyst. Mr. Baez discussed other landfill biogas cleanup projects including Chiquita Canyon Landfill in Castaic, California and BMW Palmetto landfill in South Carolina as well as the SCAQMD's continued collaboration with EPA Region 9 California Biogas Wastewater Workgroup. Staff will continue reporting the status of on-going demonstration projects to the Committee at least annually.

Joe Cassmassi also reported to the Committee that the stakeholders are requesting an extension to the January 1, 2016 compliance deadline if they have already committed contractually to installing control equipment. Six speakers testified that they were seeking an extension of the compliance deadline.

David Rothbart, representing Southern California Association of Publicly Owned Treatment Works (SCAP), also stated that he is skeptical of biogas treatment technologies and manufacturer guarantees for biogas cleanup. Al Javier of the Eastern Municipal Water District (EMWD) provided an update to the NOxTech installation stating that the system is expected to be online any day now, although there have been some delays in procuring funding and installing the equipment, and more work is needed. Mr. Javier also discussed a Tecogen project that is in progress, but may not meet the Jan. 1, 2016 deadline.

Suparna Chakladar of Fortistar stated that she has contacted two vendors regarding controls for Fortistar's facilities. She claimed that NOxTech could not provide the proper engineering expertise and that the other vendor could not guarantee a controlled NOx level without installation. She has contacted another vendor to see if this technology will be suitable for Fortistar. Jesse Pompa of Inland Empire Utilities

Agency provided an update on its fuel cell operation citing difficulties with the biogas cleanup system that reduce power production.

Jennifer Shepardson of City of San Bernardino Water Department gave an update to its biogas engine demonstration project (hydrogen-assisted lean operation/partial oxidation gas turbine). Due to unexpected delays in funding and engineering problems, the project is now one year behind schedule. The system is expected to be online sometime in September. Lisa Rothbart of Orange County Sanitation District (OCSD) stated that the contracts to install controls to the remaining engines at its two wastewater treatment plants were behind schedule in that the contractor awarded the project was different than the original contractor and that it will take more time for the installations to be realized. She said that OCSD estimates a completion date of January 2015 for two engines and May 2016 for the remaining three engines.

Mayor Pro Tem Benoit inquired about the implications of providing additional time. Joe Cassmassi responded that the NOx reductions are necessary to attain the future 2023 8-hour ozone standard. Dr. Lyou and Supervisor Nelson commented that there needs to be a set of criteria to allow more time for the stakeholders. Elaine Chang, Deputy Executive Officer, proposed to come back to the Stationary Source Committee by January 2015 for an update after SCAQMD staff meets with the stakeholders to discuss potential criteria for recommending an extension to the compliance deadline.

5. Status Report on Reg. XIII – New Source Review

William Thompson, Senior Enforcement Manager gave a brief update. The report shows that SCAQMD is in compliance with the federal new source review program. This item will be presented to the full Board at the September 5th Board Meeting. There were no questions or comments.

6. Rule 1147 – NOx Reductions from Miscellaneous Sources

Joe Cassmassi gave a presentation on Rule 1147 implementation highlighting the actions that have been taken by staff to address technical feasibility issues with specific types of equipment, including rule amendments to Rules 219 and 222 and Proposed Rule 1153.1. The presentation included a summary of recent SCAQMD permit and compliance activities. Mr. Cassmassi also provided a summary of other categories of equipment with NOx emissions greater than one pound per day that staff will be evaluating because achieving the rule emission limits may be difficult. The evaluations of these categories need to be completed prior to the Rule 1147 technology assessment for sources with emissions less than one pound per day of NOx.

Linda Holcomb of the Southern California Auto Body Association stated that small auto body shops need relief and that spray booths should automatically be provided

a lifetime of at least 20 years before they must comply with Rule 1147. The vast majority have less than one pound per day of emissions and the cost to retrofit is too high. Bill LaMarr of the California Small Business Alliance stated that while staff has been better about meeting with stakeholders, the technology assessment should have already been started and it should not be delayed further. The cost of complying with Rule 1147 is too high. Staff should meet with stakeholders more often and involve them in the technology assessment process. In addition, a third party reviewer should be brought into the process soon. He requested that the Committee direct staff to report back to the Committee. Dr. Wallerstein stated that, as indicated in the presentation, staff has worked to address issues for many types of equipment and affected businesses and will continue to work with stakeholders.

WRITTEN REPORTS

All written reports were acknowledged by the Committee.

PUBLIC COMMENTS

There were no public comments.

Dr. Lyou announced that the next Stationary Source Committee meeting is scheduled for September 19, 2014 and adjourned the meeting at 12:00 p.m.

Attachment

Attendance Roster

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
STATIONARY SOURCE COMMITTEE
July 25, 2014
ATTENDANCE ROSTER (Voluntary)**

NAME	AFFILIATION
Dr. Joseph Lyou	SCAQMD Governing Board
Mayor Pro Tem Ben Benoit (VT)	SCAQMD Governing Board
Supervisor Shawn Nelson (VT)	SCAQMD Governing Board
Dr. Barry Wallerstein	SCAQMD Staff
Elaine Chang	SCAQMD Staff
Matt Miyasato	SCAQMD Staff
Jill Whynot	SCAQMD Staff
Naveen Berry	SCAQMD Staff
Joe Cassmassi	SCAQMD Staff
William Thompson	SCAQMD Staff
Alfonso Baez	SCAQMD Staff
Danny Luong	SCAQMD Staff
Sam Atwood	SCAQMD Staff
Edwin Pupka	SCAQMD Staff
Cher Snyder	SCAQMD Staff
Curtis Coleman	So. Calif. Air Quality Alliance
Daniel McGiveny	So. Cal Gas
Kelly Bowles	Bimbo Bakeries
Rodney Stoye	Bimbo Bakeries
Susan Stark	Tesoro
Bill Pearce	Boeing
David Rothbart	LA County Sanitation District
Bill LaMarr	California Small Business Alliance

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
STATIONARY SOURCE COMMITTEE
July 25, 2014
ATTENDANCE ROSTER (Voluntary)**

Vlad Kogan	Orange County Sanitation District
Jennifer Shepardson	City of San Bernardino Municipal Water Dept.
Al Javier	Eastern Municipal Water District
Jesse Pompa	Inland Empire Utilities Agency (IEUA)
Will Casolora	DCL International
Kris Flaig	City of Los Angeles/Sanitation

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 27

REPORT: Technology Committee

SYNOPSIS: The Technology Committee met on July 25, 2014. Major topics included Technology Advancement items reflected in the regular Board Agenda for the September Board meeting. A summary of these topics with the Committee's comments is provided. The next Technology Committee meeting will be on September 19, 2014.

RECOMMENDED ACTION:

Receive and file.

John J. Benoit
Technology Committee Chair

MMM:pmk

Attendance: Supervisor John J. Benoit participated by videoconference. Councilman Joe Buscaino, Mayor Judith Mitchell, Mayor Miguel Pulido and Mayor Dennis Yates were absent due to a conflict with their schedules.

SEPTEMBER BOARD AGENDA ITEMS

1. Execute Contract to Develop Ultra-Low Emission Natural Gas Engine for On-Road Class 4 to 7 Vehicles

The Gas Technology Institute (GTI), Ricardo, Power Systems International and the Southern California Gas Company have proposed to collaborate to develop an ultra-low NOx natural gas engine suitable for Class 4 to 7 vehicles. The engine to be developed would target a source category that is amongst the top ten contributors to the NOx emissions inventory in the South Coast Air Basin. This action is to execute a contract with GTI to develop the ultra-low natural gas engine at a cost not to exceed \$750,000 from the Clean Fuels Fund (31), with an estimated total project cost of \$1,800,000.

This item was pulled by staff and will be presented at the next Technology Committee meeting.

2. Issue RFP to Measure Emissions from Refineries and Other Sources Utilizing Advanced Remote Sensing Technologies, Develop Advanced Fenceline Monitoring Systems and Issue RFQ to Procure Wind LIDAR System

Recent advances in optical remote sensing technology have made it possible to quantify fugitive VOC emissions from an entire refinery complex. Two recent SCAQMD-funded pilot studies have demonstrated the capabilities of some of these remote sensing methods. However, it was concluded that longer term measurements and more detailed wind profile information are needed to enhance the accuracy of emissions data. This action is to issue an RFP to conduct a series of measurement campaigns intended to fully characterize and quantify fugitive and stack emissions from large refineries and other important VOC sources and to develop two different remote sensing monitoring systems. This action is to also issue an RFQ and subsequent purchase order to procure a portable wind LIDAR system for continuous wind profile measurements in an amount not to exceed \$250,000 from the Rule 1118 Mitigation Fund (54).

Supervisor Benoit noted that there might be some similarities between the objectives of the five remote sensing monitoring projects proposed during this presentation and those of the Air Quality Sensor Performance Evaluation Center (AQ-SPEC) program discussed during the last Technology Committee meeting on June 2014.

Susan Stark (Tesoro consultant) stated that Tesoro and WSPA are supportive of this program but would like the measurements compared to an established reference. They also indicated they would like to participate in one or more of the proposed measurement studies.

Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.

3. Execute and Amend Contracts for Hydrogen Fueling Infrastructure, Phase II of Hydrogen Network Investment Plan and Safety Sensor Demonstration 

On March 7, 2014, the Board awarded three contracts to upgrade and refurbish existing hydrogen fueling infrastructure using funds provided by the CEC. Sufficient funds have become available to fund one additional project as a result of negotiations with awardees. In early 2013 and 2014, the CEC released Notices of Proposed Awards recommending funding for 36 new hydrogen fueling stations, 12 of which are strategically located in Southern California. Additional funds are needed to offset higher than anticipated initial costs to successfully establish these stations. In December 2012, the Board awarded a contract to develop Phase I of the Hydrogen Network Investment Plan (H2NIP), and the cosponsors have requested SCAQMD cofund Phase II. Finally, the SCAQMD has been asked to participate in a demonstration of a hydrogen safety sensor. These actions are to execute and

amend contracts for hydrogen fueling infrastructure, Phase II of the H2NIP and a safety sensor demonstration.

Supervisor Benoit asked why the hydrogen fueling stations comprising the Five City Program were being decommissioned. Staff responded that the technology used to construct the stations was built prior to NFPA standards being promulgated and the stations were only designed to meet 350 bar fueling while modern cars require 700 bar. Moreover, all of the Five City Program stations were placed in City Yards and were not open to the general public. The old technology stations cannot be retrofitted to perform in the same manner as new stations.

Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.

4. Recognize Revenue and Execute and Amend Contracts to Construct Natural Gas Fueling Stations

The SCAQMD previously recognized \$2.6 million from CEC to fund new or upgrade existing natural gas stations throughout the Basin. An amendment of the CEC grant is needed to replace two CNG station upgrades with one new LNG station installation and change the funding source for one CNG station upgrade. Additionally, in September 2013 U.S. DOE revenue was recognized into the Science & Technology Advancement's FY 2013-14 Budget to fund a UPS project, but the revenue should have been recognized into the Clean Fuels Fund (31). These actions are to approve the replacement project to be funded by the CEC grant from the Clean Fuels Fund (31), substitute the funding source for one CNG station upgrade to the Clean Fuels Fund (31), recognize U.S. DOE revenue into the Clean Fuels Fund (31), and execute a contract with UPS for an LNG station refurbishment from the Clean Fuels Fund (31).

Less than a quorum was present; the Committee Member present recommended that this item be forwarded to the full Board for consideration.

ITEM FOR DISCUSSION ONLY

5. SCAQMD Plug-in Electric Vehicle Infrastructure Activities (*presentation only*)

At the July 2014 Board Meeting, Board Members inquired about the recent activities to assist with plug-in electric vehicle (PEV) infrastructure, especially as related to multi-unit dwellings. Staff will present on PEV charging deployment, community readiness activities as well as an update on the SCAQMD headquarters infrastructure planning.

Supervisor Benoit asked if a study has been done to determine where most people charge their electric vehicles. Staff responded CARB and the California Center for Sustainable Energy may have this information as part of the California Vehicle Rebate (CVR) project. Staff will look into this.

Buford Crites questioned whether any data exists on model local ordinances requesting chargers in new home construction. Staff will review the Plug-in Electric Vehicle Collaborative Handbook to locate this information.

Supervisor Benoit commented that many questions arise as we think ahead ten years when chargers will be more commonplace in homes and workplaces. Does the employer or employee pay for the charging? How much electricity is consumed either at home/work? At what cost? Shouldn't the cost be more reasonable to charge at home at night vs. during peak demand time during the day at the workplace?

Staff agrees that all of these questions will need to be addressed as we move forward.

6. Public Comment Period

There was no public comment.

7. Other Business

There was no other business.

Next Meeting: September 19, 2014

Attachment

Attendance

Attachment A – Attendance

Supervisor John J. Benoit.....	SCAQMD Governing Board (via VT*)
Mark Abramowitz	Board Assistant (Lyou)
Buford Crites	Board Assistant (JBenoit)
John Olvera, Principal Deputy District Counsel	SCAQMD
Matt Miyasato, STA	SCAQMD
Henry Hogo, STA.....	SCAQMD
Laki Tisopulos, STA	SCAQMD
Fred Minassian, STA.....	SCAQMD
Andrea Polidori, STA.....	SCAQMD
Phil Barroca, STA	SCAQMD
Drue Hargis, STA.....	SCAQMD
Lisa Mirisola, STA	SCAQMD
Larry Watkins, STA	SCAQMD
Mary Leonard, FIN.....	SCAQMD
Naveen Berry, PRDAS.....	SCAQMD
Olga Pikelnaya, PRDAS.....	SCAQMD
Robert Paud, IM	SCAQMD
Penny Shaw Cedillo, STA.....	SCAQMD
Pat Krayser, STA.....	SCAQMD
Rhonda Runyon.....	CARB
Susan Stark.....	Tesoro

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BOARD MEETING DATE: September 5, 2014

AGENDA NO. 28

REPORT: Mobile Source Air Pollution Reduction Review Committee

SYNOPSIS: Below is a summary of key issues addressed at the MSRC's meeting on August 21, 2014. The MSRC's next regularly scheduled meeting will be combined with the annual offsite joint retreat with their Technical Advisory Committee. The offsite retreat will be held on Thursday, September 18, 2014 at the Southern California Associated Governments' offices in Los Angeles; starting time is still to be determined.

RECOMMENDED ACTION:

Receive and file.

Michael D. Antonovich
SCAQMD Representative on MSRC

MM:HH:DAH

Contract Award for Major Event Center Transportation Program

The MSRC allocated \$4,027,450 in its FYs 2012-14 Work Program for event center transportation programs and released a Program Announcement to solicit projects for traffic-impacted centers. To date, \$3,409,428 has already been awarded. At its August 21, 2014 meeting, the MSRC unanimously awarded the Anaheim Transportation Network an award of \$221,312 to provide transit service from Downtown Disney, the Anaheim Convention Center and the Shops at Anaheim Garden Walk to the Anaheim Regional Transportation Intermodal Center for the 2014-15 and 2015-16 Anaheim Ducks hockey seasons and the 2015 and 2016 Angels baseball seasons. The proposed Circulator Service would provide service for all home games, both weekdays and weekends. In addition to allowing event attendees to use public transportation for all or a portion of their trip, the service would also reduce vehicle traffic in and around the event centers. Elimination of traffic congestion, especially reductions in automobile stop and go driving and queuing, has a direct link to reduced vehicle exhaust emissions. ATN and its project partners would collectively contribute \$311,200 in co-funding

including fare box revenue, marketing design and production, advertising and marketing purchases, and transportation provided as part of the Reviving Baseball in Inner Cities Program for low-income disadvantaged youths. To ensure sufficient funds are available to meet \$250,000 per county geographic minimums, the MSRC also allocated an additional \$54,087 towards the FYs 2012-14 Major Event Center Transportation Program from the unallocated fund balance. This contract award will be considered by the SCAQMD Board at its September 5, 2014 meeting.

Received and Approved Final Reports

The MSRC received and unanimously approved seven final contract report summaries this month as follows:

1. TIMCO CNG Fund I, LLC Contract #MS14044, which provided \$150,000 to install public access CNG station in Santa Ana;
2. Transit Systems Unlimited Contract #MS12071, which provided \$21,250 to expand existing CNG infrastructure;
3. Murrieta Valley Unified School District Contract #MS12010, which provided \$242,786 for installation of a new limited access CNG station and maintenance facility modifications;
4. Arcadia Unified School District Contract #MS12074, which provided \$175,000 to expand existing CNG infrastructure;
5. Torrance Unified School District Contract #MS11066, which provided \$42,296 to expand existing CNG infrastructure;
6. Bear Valley Unified School District Contract #MS11079, which provided \$175,000 to install a new limited access CNG station; and
7. Bear Valley Unified School District Contract #MS12085, which provided \$755,000 for maintenance facility modifications.

Contract Modification Requests

The MSRC considered two contract modification requests and took the following unanimous actions:

1. For City of Rancho Cucamonga Contract #ML11023, which provides \$260,000 to expand an existing CNG station and purchase two heavy-duty alternative fuel vehicles, approval to modify station specifications and extend contract term an additional 21 months; and
2. For City of Los Angeles Contract #MS07080, which provides \$63,192 to demonstrate retrofit devices on off-road vehicles, approval of 18-month contract term extension.

Contracts Administrator's Report

The MSRC's AB 2766 Contracts Administrator provides a written status report on all open contracts from FY 2004-05 through the present. The Contracts Administrator's Report for August 2014 is attached for your information.

Attachment

August 2014 Contracts Administrator's Report



MSRC Agenda Item No. 3

DATE: August 21, 2014

FROM: Cynthia Ravenstein

SUBJECT: AB 2766 Contracts Administrator's Report

SYNOPSIS: This report covers key issues addressed by MSRC staff, status of open contracts, and administrative scope changes from May 29 through July 30, 2014.

RECOMMENDATION: Receive and file report

WORK PROGRAM IMPACT: None

Contract Execution Status

2012-14 Work Program

On April 5, 2013, the SCAQMD Governing Board approved three awards under the Event Center Transportation Program. These contracts are undergoing internal review or executed.

On July 5, 2013, the SCAQMD Governing Board approved an additional award to Orange County Transportation Authority under the Event Center Transportation Program. This contract is executed.

On September 6, 2013, the SCAQMD Governing Board approved an award to Transit Systems Unlimited under the Event Center Transportation Program. This contract is executed.

On November 1, 2013, the SCAQMD Governing Board approved two awards under the Event Center Transportation Program. These contracts are with the prospective contractor for signature or executed.

On December 6, 2013, the SCAQMD Governing Board approved 25 awards under the Local Government Match Program, 12 awards under the Alternative Fuel Infrastructure Program, one award under the Alternative Fuel School Bus Incentives Program, and one award under the Event Center Transportation Program. These contracts are under development, undergoing internal review, with the prospective contractor for signature, with the SCAQMD Board Chair for signature, or executed.

On January 10, 2014, the SCAQMD Governing Board approved three awards under the Local Government Match Program, one award under the Alternative Fuel Infrastructure Program, and one award under the Alternative Fuel School Bus Incentives Program. These contracts are with the prospective contractor for signature or executed.

On February 7, 2014, the SCAQMD Governing Board approved two awards under the Local Government Match Program and one award under the Alternative Fuel Infrastructure Program. These contracts are with the prospective contractor for signature or executed.

On April 4, 2014, the SCAQMD Governing Board approved two awards under the Local Government Match Program and three awards under the Traffic Signal Synchronization Partnership Program. These contracts are under development, undergoing internal review, or with the prospective contractor for signature.

On May 2, 2014, the SCAQMD Governing Board approved 12 awards under the Local Government Match Program. These contracts are under development, undergoing internal review or with the prospective contractor for signature.

Work Program Status

Contract Status Reports for work program years with open and pending contracts are attached. MSRC or MSRC-TAC members may request spreadsheets covering any other work program year.

FY 2004-05 Work Program Contracts

One contract from this work program year is open.

FY 2004-05 Invoices Paid

No invoices were paid during this period.

FY 2005-06 Work Program Contracts

5 contracts from this work program year are open; and 8 are in "Open/Complete" status, having completed all obligations save ongoing operation.

FY 2005-06 Work Program Invoices Paid

No invoices were paid during this period.

FY 2006-07 Work Program Contracts

6 contracts from this work program year are open; and 27 are in "Open/Complete" status.

FY 2006-07 Invoices Paid

No invoices were paid during this period.

FY 2007-08 Work Program Contracts

11 contracts from this work program year are open; and 41 are in "Open/Complete" status. One contract closed during this period: Los Angeles County Metropolitan Transportation Authority, Contract #MS08001 – Big Rig Freeway Service Patrol.

FY 2007-08 Invoices Paid

Two invoices totaling \$163,333.00 were paid during this period.

FY 2008-09 Work Program Contracts

7 contracts from this work program year are open; and 13 are in "Open/Complete" status.

FY 2008-09 Invoices Paid

No invoices were paid during this period.

FY 2009-10 Work Program Contracts

6 contracts from this work program year are open; and 11 are in “Open/Complete” status. One contract passed into “Open/Complete” status during this period: Foothill Transit Agency, Contract #MS10012 – Purchase 9 Heavy-Duty Electric Vehicles.

FY 2009-10 Invoices Paid

One invoice in the amount of \$85,392.00 was paid during this period.

FY 2010-11 Work Program Contracts

40 contracts from this work program year are open; and 15 are in “Open/Complete” status. 2 contracts passed into “Open/Complete” status during this period: USA Waste of California, Contracts #MS11008 and #MS11009 – Expansion of Existing L/CNG Stations. One proposed contract with the County of Los Angeles Department of Public Works is still with them for signature; the County estimates it will be considered for approval by their Board in December 2014. One proposed contract with the Los Angeles Unified School District is with them for signature following MSRC approval of modifications. Lastly, one proposed contract with Ivanhoe Energy Services and Development is still with the prospective contractor for signature. Ivanhoe indicates that one of their supplier companies is undergoing a reorganization; Ivanhoe is waiting to learn whether they can move forward.

FY 2010-11 Invoices Paid

10 invoices totaling \$254,765.00 were paid during this period.

FY 2011-12 Work Program Contracts

59 contracts from this work program year are open, and 11 are in “Open/Complete” status. 2 contracts passed into “Open/Complete” status during this period: Custom Alloy Light Metals, Contract #MS12063 – Install CNG station; and Transit Systems Unlimited, Contract #MS12071 – Expand Existing CNG Station. One contract closed during this period: Rim of the World Unified School District, Contract #MS12012 – Maintenance Facility Modifications.

FY 2011-12 Invoices Paid

6 invoices totaling \$484,625.00 were paid during this period.

FYs 2012-14 Work Program Contracts

19 contracts from this work program year are open. One contract passed into “Open/Complete” status during this period: TIMCO CNG Fund I, LLC, Contract #MS14044 – Install CNG Station in Santa Ana.

FYs 2012-14 Invoices Paid

4 invoices totaling \$543,890.00 were paid during this period.

Administrative Scope Changes

2 administrative scope changes were initiated during the period of May 29 to July 30, 2014:

- ML11021 – City of Whittier (Purchase 7 Heavy-Duty CNG Vehicles) – Nine-month no-cost extension
- MS11062 – Load Center (Demonstrate Off-Road After-Treatment) – Remove tasks and funding associated with one retrofit, and eleven-month no-cost term extension.

Infrastructure Throughput Resolution

Letters concerning the potential for negotiating alternative remedies were previously sent to all MSRC Infrastructure Program contractors who have open contracts and have received reimbursements for their projects (i.e. stations have commenced operation). During this reporting period:

- A tentative agreement has been negotiated with one contractor, and a corresponding contract modification has been sent out for signature.

Attachments

- FY 2004-05 through FYs 2012-14 Contract Status Reports



AB2766 Discretionary Fund Program Invoices

May 29, 2014 to July 30, 2014

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
2007-2008 Work Program							
6/25/2014	7/3/2014	7/3/2014	7/8/2014	MS08001	Los Angeles County MTA	10058554-Fir	\$83,333.00
6/24/2014	7/3/2014	7/3/2014	7/8/2014	MS08058	Clean Energy Fuels Corp.	CE11584803	\$80,000.00
Total: \$163,333.00							
2009-2010 Work Program							
6/24/2014	7/3/2014	7/3/2014	7/8/2014	MS10012	Foothill Transit Agency	1509-14-Fina	\$85,392.00
Total: \$85,392.00							
2010-2011 Work Program							
6/24/2014	7/3/2014	7/3/2014	7/8/2014	MS11009	USA Waste of California, Inc.	Final	\$12,500.00
7/2/2014	7/3/2014	7/3/2014	7/8/2014	MS11016	CR&R Incorporated	1	\$90,000.00
7/2/2014	7/3/2014	7/3/2014	7/8/2014	ML11021	City of Whittier	5	\$60,000.00
7/1/2014	7/3/2014	7/3/2014	7/8/2014	MS11062	Load Center	5	\$15,145.00
7/23/2014	8/7/2014	8/8/2014	8/12/2014	MS11001	Mineral LLC	100689	\$300.00
6/18/2014	7/3/2014	7/3/2014	7/8/2014	MS11001	Mineral LLC	100643	\$300.00
7/25/2014	8/7/2014	8/8/2014	8/12/2014	MS11062	Load Center	6	\$30,290.00
6/25/2014	7/3/2014	7/3/2014	7/8/2014	MS11062	Load Center	4	\$33,580.00
6/24/2014	7/3/2014	7/3/2014	7/8/2014	MS11008	USA Waste of California, Inc.	Final	\$12,500.00
Total: \$254,615.00							
2011-2012 Work Program							
6/6/2014	6/11/2014	6/12/2014	6/12/2014	MS12086	SuperShuttle International, Inc.	1002	\$202,500.00
6/10/2014	6/11/2014	6/12/2014	6/12/2014	MS12063	Custom Alloy Light Metals, Inc.	NG_001-Fin:	\$100,000.00
6/11/2014	6/11/2014	6/12/2014	6/12/2014	MS12074	Arcadia Unified School District	1	\$166,250.00
6/4/2014	6/11/2014	6/12/2014	6/12/2014	MS12071	Transit Systems Unlimited, Inc.	Final	\$2,125.00
6/27/2014	7/3/2014	7/3/2014	7/8/2014	ML12015	City of Fullerton	1	\$10,000.00
7/2/2014	7/3/2014	7/3/2014	7/8/2014	MS12012	Rim of the World Unified School District	5981 Final	\$3,750.00
Total: \$484,625.00							
2012-2014 Work Program							
7/3/2014	7/3/2014	7/3/2014	7/8/2014	MS14044	TIMCO CNG Fund I, LLC	14345-Final	\$15,000.00

Contract Admin.	MSRC Chair	MSRC Liaison	Finance	Contract #	Contractor	Invoice #	Amount
7/2/2014	7/3/2014	7/3/2014	7/8/2014	MS14005	Transit Systems Unlimited, Inc.	50040	\$11,040.00
6/4/2014	6/11/2014	6/12/2014	6/12/2014	MS14044	TIMCO CNG Fund I, LLC	14344	\$135,000.00
7/3/2014	7/11/2014	7/11/2014	7/15/2014	MS14048	BusWest	BW005130	\$382,850.00

Total: \$543,890.00

Total This Period: \$1,531,855.00

FYs 2004-05 Through 2012-14 AB2766 Contract Status Report

8/21/2014

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2004-2005 Contracts									
Open Contracts									
ML05014	Los Angeles County Department of	5/21/2007	11/20/2008	3/20/2016	\$204,221.00	\$0.00	Traffic Signal Synchronization	\$204,221.00	No
Total: 1									
Declined/Cancelled Contracts									
ML05005	City of Highland				\$20,000.00	\$0.00	2 Medium Duty CNG Vehicles	\$20,000.00	No
ML05008	Los Angeles County Department of				\$140,000.00	\$0.00	7 Heavy Duty LPG Street Sweepers	\$140,000.00	No
ML05010	Los Angeles County Department of				\$20,000.00	\$0.00	1 Heavy Duty CNG Bus	\$20,000.00	No
Total: 3									
Closed Contracts									
ML05006	City of Colton Public Works	7/27/2005	7/26/2006		\$30,000.00	\$30,000.00	3 Medium Duty CNG Vehicles	\$0.00	Yes
ML05011	Los Angeles County Department of	8/10/2006	12/9/2007	6/9/2008	\$52,409.00	\$51,048.46	3 Heavy Duty LPG Shuttle Vans	\$1,360.54	Yes
ML05013	Los Angeles County Department of	1/5/2007	7/4/2008	1/4/2013	\$313,000.00	\$313,000.00	Traffic Signal Synchronization	\$0.00	Yes
ML05015	City of Lawndale	7/27/2005	7/26/2006		\$10,000.00	\$10,000.00	1 Medium Duty CNG Vehicle	\$0.00	Yes
ML05016	City of Santa Monica	9/23/2005	9/22/2006	9/22/2007	\$350,000.00	\$350,000.00	6 MD CNG Vehicles, 1 LPG Sweep, 13 CNG	\$0.00	Yes
ML05017	City of Signal Hill	1/16/2006	7/15/2007		\$126,000.00	\$126,000.00	Traffic Signal Synchronization	\$0.00	Yes
ML05018	City of San Bernardino	4/19/2005	4/18/2006		\$40,000.00	\$40,000.00	4 M.D. CNG Vehicles	\$0.00	Yes
ML05019	City of Lakewood	5/6/2005	5/5/2006		\$10,000.00	\$10,000.00	1 M.D. CNG Vehicle	\$0.00	Yes
ML05020	City of Pomona	6/24/2005	6/23/2006		\$10,000.00	\$10,000.00	1 M.D. CNG Vehicle	\$0.00	Yes
ML05021	City of Whittier	7/7/2005	7/6/2006	4/6/2008	\$100,000.00	\$80,000.00	Sweeper, Aerial Truck, & 3 Refuse Trucks	\$20,000.00	Yes
ML05022	City of Claremont	9/23/2005	9/22/2006		\$20,000.00	\$20,000.00	2 M.D. CNG Vehicles	\$0.00	Yes
ML05024	City of Cerritos	4/18/2005	3/17/2006		\$10,000.00	\$10,000.00	1 M.D. CNG Vehicle	\$0.00	Yes
ML05025	City of Malibu	5/6/2005	3/5/2006		\$10,000.00	\$10,000.00	1 Medium-Duty CNG Vehicle	\$0.00	Yes
ML05026	City of Inglewood	1/6/2006	1/5/2007	2/5/2009	\$60,000.00	\$60,000.00	2 CNG Transit Buses, 1 CNG Pothole Patch	\$0.00	Yes
ML05027	City of Beaumont	2/23/2006	4/22/2007	6/22/2010	\$20,000.00	\$20,000.00	1 H.D. CNG Bus	\$0.00	Yes
ML05028	City of Anaheim	9/8/2006	9/7/2007	5/7/2008	\$85,331.00	\$85,331.00	Traffic signal coordination & synchronization	\$0.00	Yes
ML05029	Los Angeles World Airports	5/5/2006	9/4/2007		\$140,000.00	\$140,000.00	Seven CNG Buses	\$0.00	Yes
ML05071	City of La Canada Flintridge	1/30/2009	1/29/2011		\$20,000.00	\$20,000.00	1 CNG Bus	\$0.00	Yes
ML05072	Los Angeles County Department of	8/24/2009	5/23/2010	1/23/2011	\$349,000.00	\$349,000.00	Traffic Signal Synchronization (LADOT)	\$0.00	Yes
Total: 19									
Closed/Incomplete Contracts									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2005-2006 Contracts									
Open Contracts									
ML06031	City of Inglewood	4/4/2007	6/3/2013	9/3/2015	\$150,000.00	\$65,602.40	Purchase 4 H-D LPG Vehicles & Install LPG	\$84,397.60	No
ML06035	City of Hemet, Public Works	11/10/2006	12/9/2012	1/9/2017	\$338,107.00	\$175,000.00	7 Nat Gas Trucks & New Nat Gas Infrastruct	\$163,107.00	No
ML06054	Los Angeles County Department of	6/17/2009	6/16/2016		\$150,000.00	\$0.00	3 CNG & 3 LPG HD Trucks	\$150,000.00	No
ML06070	City of Colton	4/30/2008	2/28/2015	4/30/2015	\$50,000.00	\$0.00	Two CNG Pickups	\$50,000.00	No
ML06071	City of Santa Monica	6/13/2014		11/30/2016	\$149,925.00	\$0.00	3 H.D. CNG Trucks & CNG Fueling Station	\$149,925.00	No
Total: 5									
Declined/Cancelled Contracts									
ML06018	Los Angeles County Dept of Beaches				\$375,000.00	\$0.00	New CNG Station & 2 CNG Dump Trucks	\$375,000.00	No
ML06019	Los Angeles County Dept of Beaches				\$250,000.00	\$0.00	New CNG Station & 2 CNG Dump Trucks	\$250,000.00	No
ML06023	City of Baldwin Park	6/16/2006	9/15/2012		\$20,000.00	\$0.00	CNG Dump Truck	\$20,000.00	No
ML06024	City of Pomona	8/3/2007	7/2/2013	7/2/2014	\$286,450.00	\$0.00	New CNG Station	\$286,450.00	No
ML06030	City of Burbank	3/19/2007	9/18/2011		\$287,700.00	\$0.00	New CNG Fueling Station	\$287,700.00	No
ML06037	City of Lynwood				\$25,000.00	\$0.00	1 Nat Gas Dump Truck	\$25,000.00	No
ML06039	City of Inglewood	2/9/2007	2/8/2008	4/8/2011	\$50,000.00	\$0.00	Modify Maintenance Facility for CNG Vehicle	\$50,000.00	No
ML06055	City of Los Angeles, Dept. of Genera				\$125,000.00	\$0.00	5 Gas-Electric Hybrid Buses	\$125,000.00	No
ML06059	City of Fountain Valley				\$25,000.00	\$0.00	One H.D. CNG Truck	\$25,000.00	No
MS06009	Clean Energy Fuels Corp.	6/23/2006	12/22/2012		\$250,000.00	\$0.00	New CNG Station - Laguna Niguel	\$250,000.00	Yes
MS06040	Capistrano Unified School District				\$136,000.00	\$0.00	New CNG Fueling Station	\$136,000.00	No
MS06041	Clean Energy Fuels Corp.	12/1/2006	3/31/2013	6/18/2009	\$250,000.00	\$0.00	New CNG Station-Newport Beach	\$250,000.00	No
MS06046	City of Long Beach, Dept. of Public				\$250,000.00	\$0.00	LNG Fueling Station	\$250,000.00	No
MS06051	Menifee Union School District	3/2/2007	7/1/2014		\$150,000.00	\$0.00	CNG Fueling Station	\$150,000.00	No
Total: 14									
Closed Contracts									
ML06016	City of Whittier	5/25/2006	5/24/2012	11/24/2012	\$50,000.00	\$50,000.00	2 CNG Refuse Trucks	\$0.00	Yes
ML06017	City of Claremont	8/2/2006	4/1/2012		\$50,000.00	\$50,000.00	2 CNG Refuse Trucks	\$0.00	Yes
ML06020	Los Angeles Department of Water a	3/19/2007	9/18/2013	4/18/2014	\$25,000.00	\$25,000.00	CNG Aerial Truck	\$0.00	Yes
ML06021	Los Angeles World Airports	9/13/2006	5/12/2013		\$150,000.00	\$150,000.00	6 CNG Buses	\$0.00	Yes
ML06022	City of Los Angeles, Bureau of Sanit	5/4/2007	1/3/2014		\$1,250,000.00	\$1,250,000.00	50 LNG Refuse Trucks	\$0.00	Yes
ML06026	City of Cerritos	10/27/2006	9/26/2010		\$60,500.00	\$60,500.00	CNG Station Upgrade	\$0.00	Yes
ML06027	City of Redondo Beach	9/5/2006	5/4/2012	10/4/2012	\$50,000.00	\$50,000.00	2 Heavy-Duty CNG Trucks	\$0.00	Yes
ML06028	City of Pasadena	9/29/2006	11/28/2012	3/28/2014	\$245,000.00	\$245,000.00	New CNG Station & Maint. Fac. Upgrades	\$0.00	Yes
ML06029	City of Culver City Transportation De	9/29/2006	8/28/2012	12/28/2012	\$50,000.00	\$50,000.00	2 CNG Heavy-Duty Trucks	\$0.00	Yes
ML06032	City of Rancho Cucamonga	2/13/2007	3/12/2013	2/12/2014	\$237,079.00	\$237,079.00	New CNG Station & 2 CNG Dump Trucks	\$0.00	Yes
ML06033	City of Cathedral City	11/17/2006	12/16/2012	12/16/2013	\$125,000.00	\$125,000.00	5 Heavy-Duty CNG Trucks	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML06034	City of South Pasadena	9/25/2006	9/24/2012		\$16,422.42	\$16,422.42	2 Nat. Gas Transit Buses	\$0.00	Yes
ML06036	City of Riverside	3/23/2007	3/22/2013		\$200,000.00	\$200,000.00	8 Heavy-Duty Nat Gas Vehicles	\$0.00	Yes
ML06038	City of Los Angeles, Department of	5/21/2007	1/20/2014		\$625,000.00	\$625,000.00	25 CNG Street Sweepers	\$0.00	Yes
ML06044	City of Pomona	12/15/2006	3/14/2013		\$50,000.00	\$50,000.00	2 CNG Street Sweepers	\$0.00	Yes
ML06052	City of Hemet, Public Works	4/20/2007	2/19/2013		\$25,000.00	\$25,000.00	Purchase One CNG Dump Truck	\$0.00	Yes
ML06053	City of Burbank	5/4/2007	7/3/2013		\$125,000.00	\$125,000.00	Five Nat. Gas Refuse Trucks	\$0.00	Yes
ML06056	City of Los Angeles, Dept. of Genera	11/30/2007	11/29/2008		\$350,000.00	\$350,000.00	Maintenance Facility Mods.	\$0.00	Yes
ML06058	City of Santa Monica	7/12/2007	7/11/2013		\$149,925.00	\$0.00	3 H.D. CNG Trucks & CNG Fueling Station	\$149,925.00	No
ML06060	City of Temple City	6/12/2007	6/11/2013		\$31,885.00	\$0.00	Upgrade existing CNG infrastructure	\$31,885.00	No
ML06061	City of Chino Hills	4/30/2007	4/29/2013		\$25,000.00	\$25,000.00	One H.D. CNG Vehicle	\$0.00	Yes
ML06062	City of Redlands	5/11/2007	5/10/2013		\$100,000.00	\$100,000.00	4 H.D. LNG Vehicles	\$0.00	Yes
ML06063	City of Moreno Valley	3/23/2007	11/22/2012		\$25,000.00	\$25,000.00	One H.D. CNG Vehicle	\$0.00	Yes
ML06065	City of Walnut	6/29/2007	6/28/2013		\$44,203.00	\$44,203.00	Upgrade Existing CNG Infrastructure	\$0.00	Yes
ML06066	City of Ontario	5/30/2007	1/29/2013		\$125,000.00	\$125,000.00	5 H.D. CNG Vehicles	\$0.00	Yes
ML06068	City of Claremont	8/28/2007	6/27/2013		\$60,000.00	\$60,000.00	Expand existing CNG infrastructure	\$0.00	Yes
ML06069	City of Palos Verdes Estates	11/19/2007	11/18/2013		\$25,000.00	\$25,000.00	One H.D. CNG Vehicle	\$0.00	Yes
MS06001	Riverside County Transportation Co	8/3/2007	9/2/2011		\$825,037.00	\$825,037.00	New Freeway Service Patrol	\$0.00	Yes
MS06002	Orange County Transportation Autho	11/7/2007	11/6/2013		\$928,740.00	\$925,091.00	New Freeway Service Patrol	\$3,649.00	Yes
MS06003	San Bernardino Associated Govern	10/19/2006	6/18/2010		\$804,240.00	\$804,239.87	New Freeway Service Patrol	\$0.13	Yes
MS06004	Los Angeles County MTA	8/10/2006	7/9/2010		\$1,391,983.00	\$1,391,791.98	New Freeway Service Patrol	\$191.02	Yes
MS06010	US Airconditioning Distributors	12/28/2006	6/27/2012		\$83,506.00	\$83,506.00	New CNG Station - Industry	\$0.00	Yes
MS06011	County Sanitation Districts of L.A. C	6/1/2006	7/31/2012		\$150,000.00	\$150,000.00	New CNG Station - Carson	\$0.00	Yes
MS06042	Clean Energy Fuels Corp.	1/5/2007	1/4/2013		\$150,000.00	\$150,000.00	New CNG Station-Baldwin Park	\$0.00	Yes
MS06043X	Westport Fuel Systems, Inc.	2/3/2007	12/31/2010	9/30/2011	\$2,000,000.00	\$2,000,000.00	Advanced Natural Gas Engine Incentive Pro	\$0.00	Yes
MS06045	Orange County Transportation Autho	8/17/2007	12/16/2013		\$200,000.00	\$200,000.00	CNG Fueling Station/Maint. Fac. Mods	\$0.00	Yes
MS06047	Hemet Unified School District	9/19/2007	11/18/2013		\$125,000.00	\$125,000.00	CNG Refueling Station	\$0.00	Yes
MS06050	Rossmoor Pastries	1/24/2007	10/23/2012		\$18,750.00	\$14,910.50	CNG Fueling Station	\$3,839.50	Yes

Total: 38

Open/Complete Contracts

ML06025	City of Santa Monica	1/5/2007	11/4/2012	12/14/2014	\$300,000.00	\$300,000.00	12 H.D. CNG Vehicles	\$0.00	Yes
ML06057	City of Rancho Cucamonga	8/28/2007	6/27/2013	8/27/2014	\$100,000.00	\$100,000.00	4 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML06064	City of South Pasadena	1/25/2008	11/24/2013	11/24/2014	\$50,000.00	\$50,000.00	2 H.D. CNG Vehicles	\$0.00	Yes
ML06067	City of El Monte	3/17/2008	5/16/2014	11/16/2014	\$157,957.00	\$157,957.00	Upgrade existing CNG infrastructure	\$0.00	Yes
MS06012	Consolidated Disposal Service	7/14/2006	9/13/2012	9/13/2014	\$297,981.00	\$297,981.00	New LNG Station & Facility Upgrades	\$0.00	Yes
MS06013	City of Commerce	1/9/2008	7/8/2014	7/8/2015	\$350,000.00	\$350,000.00	New L/CNG Station - Commerce	\$0.00	Yes
MS06048	Newport-Mesa Unified School Distric	6/25/2007	8/24/2013	8/24/2014	\$50,000.00	\$50,000.00	CNG Fueling Station	\$0.00	Yes
MS06049	Clean Energy Fuels Corp.	4/20/2007	7/19/2013	11/30/2015	\$250,000.00	\$228,491.18	CNG Fueling Station - L.B.P.D.	\$21,508.82	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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Total: 8

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2006-2007 Contracts									
Open Contracts									
ML07044	City of Santa Monica	9/8/2008	3/7/2015	3/7/2017	\$600,000.00	\$50,000.00	24 H.D. Nat. Gas Vehicles	\$550,000.00	No
ML07045	City of Inglewood	2/6/2009	4/5/2015		\$75,000.00	\$25,000.00	3 H.D. Nat. Gas Vehicles	\$50,000.00	No
MS07022	CSULA Hydrogen Station and Resea	10/30/2009	12/29/2015	10/29/2019	\$250,000.00	\$0.00	New Hydrogen Fueling Station	\$250,000.00	No
MS07061	City of Los Angeles, Department of	10/31/2008	8/30/2010	2/28/2013	\$40,626.00	\$40,626.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	No
MS07070	Griffith Company	4/30/2008	2/28/2010	8/28/2012	\$168,434.00	\$125,504.00	Off-Road Diesel Equipment Retrofit Program	\$42,930.00	No
MS07080	City of Los Angeles, Bureau of Sanit	10/31/2008	8/30/2010	2/28/2015	\$63,192.00	\$62,692.00	Off-Road Diesel Equipment Retrofit Program	\$500.00	No
Total: 6									
Declined/Cancelled Contracts									
ML07031	City of Santa Monica				\$180,000.00	\$0.00	Upgrade N.G. Station to Add Hythane	\$180,000.00	No
ML07032	City of Huntington Beach Public Wor				\$25,000.00	\$0.00	One H.D. CNG Vehicle	\$25,000.00	No
ML07035	City of Los Angeles, General Service				\$350,000.00	\$0.00	New CNG Refueling Station/Southeast Yard	\$350,000.00	No
ML07038	City of Palos Verdes Estates				\$25,000.00	\$0.00	One H.D. LPG Vehicle	\$25,000.00	No
MS07010	Palos Verdes Peninsula Transit Auth				\$80,000.00	\$0.00	Repower 4 Transit Buses	\$80,000.00	No
MS07014	Clean Energy Fuels Corp.				\$350,000.00	\$0.00	New L/CNG Station - SERRF	\$350,000.00	No
MS07015	Baldwin Park Unified School District				\$57,500.00	\$0.00	New CNG Station	\$57,500.00	No
MS07016	County of Riverside Fleet Services D				\$36,359.00	\$0.00	New CNG Station - Rubidoux	\$36,359.00	No
MS07017	County of Riverside Fleet Services D				\$33,829.00	\$0.00	New CNG Station - Indio	\$33,829.00	No
MS07018	City of Cathedral City				\$350,000.00	\$0.00	New CNG Station	\$350,000.00	No
MS07021	City of Riverside				\$350,000.00	\$0.00	New CNG Station	\$350,000.00	No
MS07050	Southern California Disposal Co.				\$320,000.00	\$0.00	Ten Nat. Gas Refuse Trucks	\$320,000.00	No
MS07062	Caltrans Division of Equipment				\$1,081,818.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$1,081,818.00	No
MS07065	ECCO Equipment Corp.				\$174,525.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$174,525.00	No
MS07067	Recycled Materials Company of Calif				\$99,900.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$99,900.00	No
MS07069	City of Burbank	5/9/2008	3/8/2010	9/8/2011	\$8,895.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$8,895.00	No
MS07074	Albert W. Davies, Inc.	1/25/2008	11/24/2009		\$39,200.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$39,200.00	No
MS07081	Clean Diesel Technologies, Inc.				\$240,347.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$240,347.00	No
MS07082	DCL International, Inc.				\$153,010.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$153,010.00	No
MS07083	Dinex Exhausts, Inc.				\$52,381.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$52,381.00	No
MS07084	Donaldson Company, Inc.				\$42,416.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$42,416.00	No
MS07085	Engine Control Systems Limited				\$155,746.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$155,746.00	No
MS07086	Huss, LLC				\$84,871.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$84,871.00	No
MS07087	Mann+Hummel GmbH				\$189,361.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$189,361.00	No
MS07088	Nett Technologies, Inc.				\$118,760.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$118,760.00	No
MS07089	Rypos, Inc.				\$68,055.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$68,055.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS07090	Sud-Chemie				\$27,345.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$27,345.00	No
Total: 27									
Closed Contracts									
ML07025	City of San Bernardino	8/12/2008	7/11/2010		\$350,000.00	\$350,000.00	Maintenance Facility Modifications	\$0.00	Yes
ML07026	City of South Pasadena	6/13/2008	6/12/2014		\$25,000.00	\$25,000.00	One H.D. CNG Vehicle	\$0.00	Yes
ML07027	Los Angeles World Airports	6/3/2008	7/2/2014		\$25,000.00	\$25,000.00	One H.D. LNG Vehicle	\$0.00	Yes
ML07028	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Hollywood Yard	\$0.00	Yes
ML07029	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Venice Yard	\$0.00	Yes
ML07033	City of La Habra	5/21/2008	6/20/2014	11/30/2013	\$25,000.00	\$25,000.00	One H.D. Nat Gas Vehicle	\$0.00	Yes
ML07034	City of Los Angeles, General Service	3/13/2009	3/12/2014		\$350,000.00	\$350,000.00	New CNG Refueling Station/Van Nuys Yard	\$0.00	Yes
ML07041	City of La Quinta	6/6/2008	6/5/2014		\$25,000.00	\$25,000.00	One CNG Street Sweeper	\$0.00	Yes
ML07042	City of La Quinta	8/15/2008	9/14/2010		\$100,000.00	\$100,000.00	Street Sweeping Operations	\$0.00	Yes
ML07046	City of Culver City Transportation De	5/2/2008	5/1/2014		\$25,000.00	\$25,000.00	One H.D. Nat. Gas Vehicle	\$0.00	Yes
ML07048	City of Cathedral City	9/19/2008	10/18/2010		\$100,000.00	\$84,972.45	Street Sweeping Operations	\$15,027.55	Yes
MS07001	A-Z Bus Sales, Inc.	12/28/2006	12/31/2007	2/29/2008	\$1,920,000.00	\$1,380,000.00	CNG School Bus Buydown	\$540,000.00	Yes
MS07002	BusWest	1/19/2007	12/31/2007	3/31/2008	\$840,000.00	\$840,000.00	CNG School Bus Buydown	\$0.00	Yes
MS07003	Westport Fuel Systems, Inc.	11/2/2007	12/31/2011	6/30/2013	\$1,500,000.00	\$1,499,990.00	Advanced Nat. Gas Engine Incentive Progra	\$10.00	Yes
MS07005	S-W Compressors	3/17/2008	3/16/2010		\$60,000.00	\$7,500.00	Mountain CNG School Bus Demo Program-	\$52,500.00	Yes
MS07006	Coachella Valley Association of Gov	2/28/2008	10/27/2008		\$400,000.00	\$400,000.00	Coachella Valley PM10 Reduction Street Sw	\$0.00	Yes
MS07011	L A Service Authority for Freeway E	3/12/2010	5/31/2011	9/30/2011	\$700,000.00	\$700,000.00	"511" Commuter Services Campaign	\$0.00	Yes
MS07012	City of Los Angeles, General Service	6/13/2008	6/12/2009	6/12/2010	\$50,000.00	\$50,000.00	Maintenance Facility Modifications	\$0.00	Yes
MS07019	City of Cathedral City	1/9/2009	6/8/2010		\$32,500.00	\$32,500.00	Maintenance Facility Modifications	\$0.00	Yes
MS07058	The Better World Group	11/17/2007	11/16/2009	11/16/2011	\$247,690.00	\$201,946.21	MSRC Programmatic Outreach Services	\$45,743.79	Yes
MS07059	County Sanitation Districts of L.A. C	9/5/2008	9/4/2010	7/14/2012	\$231,500.00	\$231,500.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07060	Community Recycling & Resource R	3/7/2008	1/6/2010	7/6/2011	\$177,460.00	\$98,471.00	Off-Road Diesel Equipment Retrofit Program	\$78,989.00	Yes
MS07063	Shimmick Construction Company, In	4/26/2008	2/25/2010	8/25/2011	\$80,800.00	\$11,956.37	Off-Road Diesel Equipment Retrofit Program	\$68,843.63	No
MS07064	Altfillisch Contractors, Inc.	9/19/2008	7/18/2010	1/18/2011	\$160,000.00	\$155,667.14	Off-Road Diesel Equipment Retrofit Program	\$4,332.86	Yes
MS07068	Sukut Equipment Inc.	1/23/2009	11/22/2010	5/22/2012	\$26,900.00	\$26,900.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07071	Tiger 4 Equipment Leasing	9/19/2008	7/18/2010	1/18/2013	\$210,937.00	\$108,808.97	Off-Road Diesel Equipment Retrofit Program	\$102,128.03	Yes
MS07072	City of Culver City Transportation De	4/4/2008	2/3/2010	8/3/2011	\$72,865.00	\$72,865.00	Off-Road Diesel Equipment Retrofit Program	\$0.00	Yes
MS07075	Dan Copp Crushing	9/17/2008	7/16/2010	1/16/2012	\$73,600.00	\$40,200.00	Off-Road Diesel Equipment Retrofit Program	\$33,400.00	No
MS07076	Reed Thomas Company, Inc.	8/15/2008	6/14/2010	3/14/2012	\$339,073.00	\$100,540.00	Off-Road Diesel Equipment Retrofit Program	\$238,533.00	No
MS07079	Riverside County Transportation Co	1/30/2009	7/29/2013	12/31/2011	\$20,000.00	\$15,165.45	BikeMetro Website Migration	\$4,834.55	Yes
MS07091	BusWest	10/16/2009	3/15/2010		\$33,660.00	\$33,660.00	Provide Lease for 2 CNG School Buses	\$0.00	Yes
MS07092	Riverside County Transportation Co	9/1/2010	10/31/2011		\$350,000.00	\$350,000.00	"511" Commuter Services Campaign	\$0.00	Yes
Total: 32									
Closed/Incomplete Contracts									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS07004	BusWest	7/2/2007	7/1/2009		\$90,928.00	\$68,196.00	Provide Lease for 2 CNG School Buses	\$22,732.00	No
MS07066	Skanska USA Civil West California D	6/28/2008	4/27/2010	10/27/2010	\$111,700.00	\$36,128.19	Off-Road Diesel Equipment Retrofit Program	\$75,571.81	No
MS07073	PEED Equipment Co.	10/31/2008	8/30/2010		\$11,600.00	\$0.00	Off-Road Diesel Equipment Retrofit Program	\$11,600.00	No
Total: 3									
Open/Complete Contracts									
ML07023	City of Riverside	6/20/2008	10/19/2014	7/19/2016	\$462,500.00	\$461,476.42	CNG Station Expansion/Purch. 14 H.D. Vehi	\$1,023.58	No
ML07024	City of Garden Grove	3/7/2008	9/6/2014	7/6/2016	\$75,000.00	\$75,000.00	Three H.D. CNG Vehicles	\$0.00	Yes
ML07030	County of San Bernardino Public Wo	7/11/2008	9/10/2015		\$200,000.00	\$200,000.00	8 Natural Gas H.D. Vehicles	\$0.00	Yes
ML07036	City of Alhambra	1/23/2009	2/22/2015		\$50,000.00	\$50,000.00	2 H.D. CNG Vehicles	\$0.00	Yes
ML07037	City of Los Angeles, General Service	10/8/2008	10/7/2015		\$255,222.00	\$255,222.00	Upgrade LNG/LCNG Station/East Valley Yar	\$0.00	Yes
ML07039	City of Baldwin Park	6/6/2008	6/5/2014	8/5/2015	\$50,000.00	\$50,000.00	Two N.G. H.D. Vehicles	\$0.00	Yes
ML07040	City of Moreno Valley	6/3/2008	9/2/2014		\$25,000.00	\$25,000.00	One Heavy-Duty CNG Vehicle	\$0.00	Yes
ML07043	City of Redondo Beach	9/28/2008	7/27/2014	10/27/2016	\$125,000.00	\$125,000.00	Five H.D. CNG Transit Vehicles	\$0.00	Yes
ML07047	City of Cathedral City	6/16/2008	9/15/2014	3/15/2015	\$225,000.00	\$225,000.00	Two H.D. Nat. Gas Vehicles/New CNG Fueli	\$0.00	Yes
MS07007	Los Angeles World Airports	5/2/2008	11/1/2014		\$420,000.00	\$420,000.00	Purchase CNG 21 Transit Buses	\$0.00	Yes
MS07008	City of Los Angeles, Department of T	9/18/2009	5/17/2020	9/17/2017	\$1,900,000.00	\$1,900,000.00	Purchase 95 Transit Buses	\$0.00	Yes
MS07009	Orange County Transportation Autho	5/14/2008	4/13/2016		\$800,000.00	\$800,000.00	Purchase 40 Transit Buses	\$0.00	Yes
MS07013	Rainbow Disposal Company, Inc.	1/25/2008	3/24/2014	9/24/2014	\$350,000.00	\$350,000.00	New High-Volume CNG Station	\$0.00	Yes
MS07020	Avery Petroleum	5/20/2009	7/19/2015		\$250,000.00	\$250,000.00	New CNG Station	\$0.00	Yes
MS07049	Palm Springs Disposal Services	10/23/2008	11/22/2014	9/22/2016	\$96,000.00	\$96,000.00	Three Nat. Gas Refuse Trucks	\$0.00	Yes
MS07051	City of San Bernardino	8/12/2008	12/11/2014		\$480,000.00	\$480,000.00	15 Nat. Gas Refuse Trucks	\$0.00	Yes
MS07052	City of Redlands	7/30/2008	11/29/2014		\$160,000.00	\$160,000.00	Five Nat. Gas Refuse Trucks	\$0.00	Yes
MS07053	City of Claremont	7/31/2008	12/30/2014		\$96,000.00	\$96,000.00	Three Nat. Gas Refuse Trucks	\$0.00	Yes
MS07054	Republic Services, Inc.	3/7/2008	9/6/2014	9/6/2016	\$1,280,000.00	\$1,280,000.00	40 Nat. Gas Refuse Trucks	\$0.00	Yes
MS07055	City of Culver City Transportation De	7/8/2008	9/7/2014		\$192,000.00	\$192,000.00	Six Nat. Gas Refuse Trucks	\$0.00	Yes
MS07056	City of Whittier	9/5/2008	3/4/2015		\$32,000.00	\$32,000.00	One Nat. Gas Refuse Trucks	\$0.00	Yes
MS07057	CR&R, Inc.	7/31/2008	8/30/2014	6/30/2015	\$896,000.00	\$896,000.00	28 Nat. Gas Refuse Trucks	\$0.00	No
MS07077	USA Waste of California, Inc.	5/1/2009	12/31/2014		\$160,000.00	\$160,000.00	Five Nat. Gas Refuse Trucks (Santa Ana)	\$0.00	Yes
MS07078	USA Waste of California, Inc.	5/1/2009	12/31/2014	12/31/2015	\$256,000.00	\$256,000.00	Eight Nat. Gas Refuse Trucks (Dewey's)	\$0.00	Yes
Total: 24									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2007-2008 Contracts									
Open Contracts									
ML08028	City of Santa Monica	9/11/2009	9/10/2016	5/10/2019	\$600,000.00	\$0.00	24 CNG Heavy-Duty Vehicles	\$600,000.00	No
ML08030	City of Azusa	5/14/2010	3/13/2016		\$25,000.00	\$0.00	1 CNG Heavy-Duty Vehicle	\$25,000.00	No
ML08040	City of Riverside	9/11/2009	9/10/2016	3/10/2019	\$455,500.00	\$28,124.80	16 CNG Vehicles, Expand CNG Station & M	\$427,375.20	No
ML08043	City of Desert Hot Springs	9/25/2009	3/24/2016		\$25,000.00	\$0.00	1 CNG Heavy-Duty Vehicle	\$25,000.00	No
ML08080	City of Irvine	5/1/2009	5/31/2015		\$50,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$50,000.00	No
MS08007	United Parcel Service West Region	12/10/2008	10/9/2014	4/9/2019	\$300,000.00	\$0.00	10 H.D. Nat. Gas Vehicles	\$300,000.00	No
MS08013	United Parcel Service West Region	12/10/2008	10/9/2014	3/9/2019	\$480,000.00	\$216,000.00	12 H.D. Nat. Gas Yard Tractors	\$264,000.00	No
MS08015	Yosemite Waters	5/12/2009	5/11/2015		\$180,000.00	\$117,813.60	11 H.D. Propane Vehicles	\$62,186.40	No
MS08018	Los Angeles County Department of	8/7/2009	10/6/2016	4/6/2018	\$60,000.00	\$0.00	3 CNG Vehicles	\$60,000.00	No
MS08058	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$240,000.00	New CNG Station - Ontario Airport	\$160,000.00	No
MS08068	Regents of the University of California	11/5/2010	11/4/2017	11/4/2019	\$400,000.00	\$0.00	Hydrogen Station	\$400,000.00	No
Total: 11									

Declined/Cancelled Contracts									
ML08032	City of Irvine	5/1/2009	8/31/2010		\$9,000.00	\$0.00	36 Vehicles (Diagnostic)	\$9,000.00	No
ML08041	City of Los Angeles, Dept of Transpo	8/6/2010	7/5/2011	12/5/2011	\$8,800.00	\$0.00	73 Vehicles (Diagnostic)	\$8,800.00	No
ML08049	City of Cerritos	3/20/2009	1/19/2015	2/19/2017	\$25,000.00	\$0.00	1 CNG Heavy-Duty Vehicle	\$25,000.00	No
ML08051	City of Colton				\$75,000.00	\$0.00	3 CNG Heavy-Duty Vehicles	\$75,000.00	No
MS08002	Orange County Transportation Autho				\$1,500,000.00	\$0.00	Big Rig Freeway Service Patrol	\$1,500,000.00	No
MS08008	Diversified Truck Rental & Leasing				\$300,000.00	\$0.00	10 H.D. Nat. Gas Vehicles	\$300,000.00	No
MS08010	Orange County Transportation Autho				\$10,000.00	\$0.00	20 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08011	Green Fleet Systems, LLC				\$10,000.00	\$0.00	30 H.D. Nat. Gas Vehicles	\$10,000.00	No
MS08052	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014	1/23/2015	\$100,000.00	\$0.00	New CNG Station - Fontana	\$100,000.00	No
MS08054	Clean Energy Fuels Corp.				\$400,000.00	\$0.00	New LNG Station - Fontana	\$400,000.00	No
MS08055	Clean Energy Fuels Corp.	11/26/2009	3/25/2016	3/25/2017	\$400,000.00	\$0.00	New LNG Station - Long Beach-Pier S	\$400,000.00	No
MS08059	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - San Bernardino	\$100,000.00	No
MS08060	Burrtec Waste Industries, Inc.	12/24/2008	11/23/2014		\$100,000.00	\$0.00	New CNG Station - Azusa	\$100,000.00	No
MS08062	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$0.00	New CNG Station - Rialto	\$400,000.00	No
MS08074	Fontana Unified School District	11/14/2008	12/13/2014		\$200,000.00	\$0.00	Expansion of Existing CNG station	\$200,000.00	No
MS08077	Hythane Company, LLC				\$144,000.00	\$0.00	Upgrade Station to Hythane	\$144,000.00	No
Total: 16									

Closed Contracts									
ML08023	City of Villa Park	11/7/2008	10/6/2012		\$6,500.00	\$5,102.50	Upgrade of Existing Refueling Facility	\$1,397.50	Yes
ML08027	Los Angeles County Department of	7/20/2009	1/19/2011	1/19/2012	\$6,901.00	\$5,124.00	34 Vehicles (Diagnostic)	\$1,777.00	No
ML08033	County of San Bernardino Public Wo	4/3/2009	2/2/2010		\$14,875.00	\$14,875.00	70 Vehicles (Diagnostic)	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML08035	City of La Verne	3/6/2009	11/5/2009		\$11,925.00	\$11,925.00	53 Vehicles (Diagnostic)	\$0.00	Yes
ML08036	City of South Pasadena	5/12/2009	7/11/2013		\$169,421.00	\$169,421.00	New CNG Station	\$0.00	Yes
ML08045	City of Santa Clarita	2/20/2009	6/19/2010		\$3,213.00	\$3,150.00	14 Vehicles (Diagnostic)	\$63.00	Yes
MS08001	Los Angeles County MTA	12/10/2010	6/9/2014		\$1,500,000.00	\$1,499,999.66	Big Rig Freeway Service Patrol	\$0.34	Yes
MS08003	A-Z Bus Sales, Inc.	5/2/2008	12/31/2008	2/28/2009	\$1,480,000.00	\$1,400,000.00	Alternative Fuel School Bus Incentive Progr	\$80,000.00	Yes
MS08004	BusWest	5/2/2008	12/31/2008		\$1,440,000.00	\$1,440,000.00	Alternative Fuel School Bus Incentive Progr	\$0.00	Yes
MS08016	TransVironmental Solutions, Inc.	1/23/2009	12/31/2010	9/30/2011	\$227,198.00	\$80,351.34	Rideshare 2 School Program	\$146,846.66	Yes
MS08065	Pupil Transportation Cooperative	11/20/2008	7/19/2014		\$10,500.00	\$10,500.00	Existing CNG Station Modifications	\$0.00	Yes
MS09002	A-Z Bus Sales, Inc.	11/7/2008	12/31/2009	12/31/2010	\$2,520,000.00	\$2,460,000.00	Alternative Fuel School Bus Incentive Progr	\$60,000.00	No
MS09004	A-Z Bus Sales, Inc.	1/30/2009	3/31/2009		\$156,000.00	\$156,000.00	Alternative Fuel School Bus Incentive Progr	\$0.00	Yes
MS09047	BusWest	7/9/2010	12/31/2010	4/30/2011	\$480,000.00	\$480,000.00	Alternative Fuel School Bus Incentive Progr	\$0.00	Yes
Total: 14									
Closed/Incomplete Contracts									
ML08025	Los Angeles County Department of	10/30/2009	3/29/2011		\$75,000.00	\$0.00	150 Vehicles (Diagnostic)	\$75,000.00	No
MS08079	ABC Unified School District	1/16/2009	12/15/2009	12/15/2010	\$50,000.00	\$0.00	Maintenance Facility Modifications	\$50,000.00	No
Total: 2									
Open/Complete Contracts									
ML08024	City of Anaheim	7/9/2010	7/8/2017	1/8/2018	\$425,000.00	\$425,000.00	9 LPG Buses and 8 CNG Buses	\$0.00	No
ML08026	Los Angeles County Department of	7/20/2009	7/19/2016		\$250,000.00	\$250,000.00	10 LPG Heavy-Duty Vehicles	\$0.00	Yes
ML08029	City of Gardena	3/19/2009	1/18/2015		\$25,000.00	\$25,000.00	1 Propane Heavy-Duty Vehicle	\$0.00	Yes
ML08031	City of Claremont	3/27/2009	3/26/2013	3/26/2015	\$97,500.00	\$97,500.00	Upgrade of Existing CNG Station, Purchase	\$0.00	Yes
ML08034	County of San Bernardino Public Wo	3/27/2009	7/26/2015		\$150,000.00	\$150,000.00	8 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08037	City of Glendale	5/20/2009	5/19/2015		\$325,000.00	\$325,000.00	13 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08038	Los Angeles Department of Water a	7/16/2010	7/15/2017		\$1,050,000.00	\$1,050,000.00	42 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08039	City of Rancho Palos Verdes	6/5/2009	8/4/2015		\$50,000.00	\$50,000.00	2 LPG Transit Buses	\$0.00	Yes
ML08042	City of Ontario	5/1/2009	1/31/2016		\$175,000.00	\$175,000.00	7 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08044	City of Chino	3/19/2009	3/18/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08046	City of Paramount	2/20/2009	2/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08047	City of Culver City Transportation De	5/12/2009	8/11/2015		\$150,000.00	\$150,000.00	6 CNG Heavy-Duty Vehicles	\$0.00	Yes
ML08048	City of Santa Clarita	2/20/2009	6/19/2015		\$25,000.00	\$25,000.00	1 CNG Heavy-Duty Vehicle	\$0.00	Yes
ML08050	City of Laguna Beach Public Works	8/12/2009	4/11/2016	10/11/2016	\$75,000.00	\$75,000.00	3 LPG Trolleys	\$0.00	Yes
MS08005	Burrttec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Azusa	\$0.00	Yes
MS08006	Burrttec Waste Industries, Inc.	10/23/2008	11/22/2014	10/22/2015	\$450,000.00	\$450,000.00	15 H.D. Nat. Gas Vehicles - Saugus	\$0.00	Yes
MS08009	Los Angeles World Airports	12/24/2008	12/23/2014		\$870,000.00	\$870,000.00	29 H.D. Nat. Gas Vehicles	\$0.00	Yes
MS08012	California Cartage Company, LLC	12/21/2009	10/20/2015	4/20/2016	\$480,000.00	\$480,000.00	12 H.D. Nat. Gas Yard Tractors	\$0.00	Yes
MS08014	City of San Bernardino	12/5/2008	6/4/2015		\$390,000.00	\$360,000.00	13 H.D. Nat. Gas Vehicles	\$30,000.00	Yes
MS08017	Omnitrans	12/13/2008	12/12/2015	12/12/2016	\$900,000.00	\$900,000.00	30 CNG Buses	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS08019	Enterprise Rent-A-Car Company of L	2/12/2010	7/11/2016		\$300,000.00	\$300,000.00	10 CNG Vehicles	\$0.00	Yes
MS08020	Ware Disposal Company, Inc.	11/25/2008	2/24/2016		\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08021	CalMet Services, Inc.	1/9/2009	1/8/2016	7/8/2016	\$900,000.00	\$900,000.00	30 CNG Vehicles	\$0.00	Yes
MS08022	SunLine Transit Agency	12/18/2008	3/17/2015		\$311,625.00	\$311,625.00	15 CNG Buses	\$0.00	Yes
MS08053	City of Los Angeles, Bureau of Sanit	2/18/2009	12/17/2015		\$400,000.00	\$400,000.00	New LNG/CNG Station	\$0.00	Yes
MS08056	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New LNG Station - POLB-Anah. & I	\$0.00	Yes
MS08057	Orange County Transportation Autho	5/14/2009	7/13/2015		\$400,000.00	\$400,000.00	New CNG Station - Garden Grove	\$0.00	Yes
MS08061	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$400,000.00	New CNG Station - L.A.-La Cienega	\$0.00	Yes
MS08063	Go Natural Gas	9/25/2009	1/24/2016	1/24/2017	\$400,000.00	\$400,000.00	New CNG Station - Moreno Valley	\$0.00	Yes
MS08064	Hemet Unified School District	1/9/2009	3/8/2015		\$75,000.00	\$75,000.00	Expansion of Existing Infrastructure	\$0.00	Yes
MS08066	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Palm Spring Airport	\$0.00	Yes
MS08067	Trillium CNG	3/19/2009	6/18/2015	6/18/2016	\$311,600.00	\$254,330.00	New CNG Station	\$57,270.00	Yes
MS08069	Perris Union High School District	6/5/2009	8/4/2015	8/4/2016	\$225,000.00	\$225,000.00	New CNG Station	\$0.00	Yes
MS08070	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Paramount	\$0.00	Yes
MS08071	ABC Unified School District	1/16/2009	1/15/2015		\$63,000.00	\$63,000.00	New CNG Station	\$0.00	Yes
MS08072	Clean Energy Fuels Corp.	12/4/2009	3/3/2015		\$400,000.00	\$354,243.38	New CNG Station - Burbank	\$45,756.62	Yes
MS08073	Clean Energy Fuels Corp.	11/26/2009	2/25/2015		\$400,000.00	\$400,000.00	New CNG Station - Norwalk	\$0.00	Yes
MS08075	Disneyland Resort	12/10/2008	2/1/2015		\$200,000.00	\$200,000.00	Expansion of Existing CNG Infrastructure	\$0.00	Yes
MS08076	Azusa Unified School District	10/17/2008	11/16/2014	1/31/2017	\$172,500.00	\$172,500.00	New CNG station and maint. Fac. Modificati	\$0.00	Yes
MS08078	SunLine Transit Agency	12/10/2008	6/9/2015	2/9/2016	\$189,000.00	\$189,000.00	CNG Station Upgrade	\$0.00	Yes

Total: 40

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
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FY 2008-2009 Contracts

Open Contracts									
ML09009	City of South Pasadena	11/5/2010	12/4/2016	3/4/2019	\$137,500.00	\$0.00	CNG Station Expansion	\$137,500.00	No
ML09010	City of Palm Springs	1/8/2010	2/7/2016		\$25,000.00	\$0.00	1 Nat. Gas Heavy-Duty Vehicle	\$25,000.00	No
ML09023	Los Angeles County Department of	12/10/2010	12/9/2017		\$50,000.00	\$0.00	2 Heavy-Duty Alternative Fuel Transit Vehic	\$50,000.00	No
ML09026	Los Angeles County Department of	10/15/2010	10/14/2017	4/14/2019	\$150,000.00	\$0.00	3 Off-Road Vehicle Repowers	\$150,000.00	No
ML09032	Los Angeles World Airports	4/8/2011	4/7/2018		\$175,000.00	\$0.00	7 Nat. Gas Heavy-Duty Vehicles	\$175,000.00	No
ML09033	City of Beverly Hills	3/4/2011	5/3/2017	5/3/2018	\$550,000.00	\$100,000.00	10 Nat. Gas Heavy-Duty Vehicles & CNG St	\$450,000.00	No
ML09036	City of Long Beach Fleet Services B	5/7/2010	5/6/2017	5/6/2020	\$875,000.00	\$525,000.00	Purchase 35 LNG Refuse Trucks	\$350,000.00	No
Total: 7									

Pending Execution Contracts									
ML09047	Los Angeles County Department of				\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
Total: 1									

Declined/Cancelled Contracts									
ML09017	County of San Bernardino Public Wo	1/28/2010	7/27/2016		\$200,000.00	\$0.00	8 Nat. Gas Heavy-Duty Vehicles	\$200,000.00	No
ML09018	Los Angeles Department of Water a	7/16/2010	9/15/2012		\$850,000.00	\$0.00	Retrofit 85 Off-Road Vehicles w/DECS	\$850,000.00	No
ML09019	City of San Juan Capistrano Public	12/4/2009	11/3/2010		\$10,125.00	\$0.00	Remote Vehicle Diagnostics/45 Vehicles	\$10,125.00	No
ML09022	Los Angeles County Department of				\$8,250.00	\$0.00	Remote Vehicle Diagnostics/15 Vehicles	\$8,250.00	No
ML09025	Los Angeles County Department of	10/15/2010	12/14/2012	6/14/2013	\$50,000.00	\$0.00	Remote Vehicle Diagnostics/85 Vehicles	\$50,000.00	No
ML09028	Riverside County Waste Managemen				\$140,000.00	\$0.00	Retrofit 7 Off-Road Vehicles w/DECS	\$140,000.00	No
ML09039	City of Inglewood				\$310,000.00	\$0.00	Purchase 12 H.D. CNG Vehicles and Remot	\$310,000.00	No
ML09040	City of Cathedral City				\$83,125.00	\$0.00	Purchase 3 H.D. CNG Vehicles and Remote	\$83,125.00	No
ML09044	City of San Dimas				\$425,000.00	\$0.00	Install CNG Station and Purchase 1 CNG S	\$425,000.00	No
ML09045	City of Orange				\$125,000.00	\$0.00	Purchase 5 CNG Sweepers	\$125,000.00	No
MS09003	FuelMaker Corporation				\$296,000.00	\$0.00	Home Refueling Apparatus Incentives	\$296,000.00	No
Total: 11									

Closed Contracts									
ML09007	City of Rancho Cucamonga	2/26/2010	4/25/2012		\$117,500.00	\$62,452.57	Maintenance Facility Modification	\$55,047.43	Yes
ML09013	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$144,470.00	\$128,116.75	Traffic Signal Synchr./Moreno Valley	\$16,353.25	Yes
ML09014	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$113,030.00	\$108,495.94	Traffic Signal Synchr./Corona	\$4,534.06	Yes
ML09015	City of Riverside Public Works	9/10/2010	12/9/2011	7/31/2013	\$80,060.00	\$79,778.52	Traffic Signal Synchr./Co. of Riverside	\$281.48	Yes
ML09016	County of San Bernardino Public Wo	1/28/2010	3/27/2014		\$50,000.00	\$50,000.00	Install New CNG Station	\$0.00	Yes
ML09020	County of San Bernardino	8/16/2010	2/15/2012		\$49,770.00	\$49,770.00	Remote Vehicle Diagnostics/252 Vehicles	\$0.00	Yes
ML09021	City of Palm Desert	7/9/2010	3/8/2012		\$39,450.00	\$38,248.87	Traffic Signal Synchr./Rancho Mirage	\$1,201.13	Yes
ML09024	Los Angeles County Department of	10/15/2010	12/14/2012	6/14/2013	\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
ML09027	Los Angeles County Department of	7/23/2010	3/22/2012	6/22/2012	\$150,000.00	\$150,000.00	Freeway Detector Map Interface	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML09030	City of Los Angeles GSD/Fleet Servi	6/18/2010	6/17/2011		\$22,310.00	\$22,310.00	Remote Vehicle Diagnostics/107 Vehicles	\$0.00	No
MS09001	Administrative Services Co-Op/Long	3/5/2009	6/30/2012	12/31/2013	\$225,000.00	\$150,000.00	15 CNG Taxicabs	\$75,000.00	Yes
MS09005	Gas Equipment Systems, Inc.	6/19/2009	10/18/2010		\$71,000.00	\$71,000.00	Provide Temp. Fueling for Mountain Area C	\$0.00	Yes
Total: 12									
Open/Complete Contracts									
ML09008	City of Culver City Transportation De	1/19/2010	7/18/2016	7/18/2017	\$175,000.00	\$175,000.00	8 Nat. Gas Heavy-Duty Vehicles	\$0.00	No
ML09011	City of San Bernardino	2/19/2010	5/18/2016		\$250,000.00	\$250,000.00	10 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09012	City of Gardena	3/12/2010	11/11/2015		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09029	City of Whittier	11/6/2009	4/5/2016		\$25,000.00	\$25,000.00	1 Nat. Gas Heavy-Duty Vehicle	\$0.00	Yes
ML09031	City of Los Angeles, Department of	10/29/2010	10/28/2017		\$825,000.00	\$825,000.00	33 Nat. Gas Heavy-Duty Vehicles	\$0.00	Yes
ML09034	City of La Palma	11/25/2009	6/24/2015		\$25,000.00	\$25,000.00	1 LPG Heavy-Duty Vehicle	\$0.00	Yes
ML09035	City of Fullerton	6/17/2010	6/16/2017	12/16/2018	\$450,000.00	\$450,000.00	2 Heavy-Duty CNG Vehicles & Install CNG	\$0.00	Yes
ML09037	City of Redondo Beach	6/18/2010	6/17/2016		\$50,000.00	\$50,000.00	Purchase Two CNG Sweepers	\$0.00	Yes
ML09038	City of Chino	9/27/2010	5/26/2017		\$250,000.00	\$250,000.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09041	City of Los Angeles, Bureau of Sanit	10/1/2010	9/30/2017		\$875,000.00	\$875,000.00	Purchase 35 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML09042	Los Angeles Department of Water a	12/10/2010	12/9/2017		\$1,400,000.00	\$1,400,000.00	Purchase 56 Dump Trucks	\$0.00	Yes
ML09043	City of Covina	10/8/2010	4/7/2017	10/7/2018	\$179,591.00	\$179,591.00	Upgrade Existing CNG Station	\$0.00	Yes
ML09046	City of Newport Beach	5/20/2010	5/19/2016		\$162,500.00	\$162,500.00	Upgrade Existing CNG Station, Maintenance	\$0.00	Yes
Total: 13									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2010-2011 Contracts									
Open Contracts									
ML11020	City of Indio	2/1/2013	3/31/2019		\$30,000.00	\$0.00	Retrofit one H.D. Vehicles w/DECS, repower	\$30,000.00	No
ML11021	City of Whittier	1/27/2012	9/26/2018	6/26/2019	\$210,000.00	\$180,000.00	Purchase 7 Nat. Gas H.D. Vehicles	\$30,000.00	No
ML11023	City of Rancho Cucamonga	4/20/2012	12/19/2018		\$260,000.00	\$60,000.00	Expand Existing CNG Station, 2 H.D. Vehicle	\$200,000.00	No
ML11025	County of Los Angeles Department of	3/14/2014	9/13/2021		\$150,000.00	\$0.00	Purchase 5 Nat. Gas H.D. Vehicles	\$150,000.00	No
ML11027	City of Los Angeles, Dept. of Genera	5/4/2012	7/3/2015		\$300,000.00	\$0.00	Maintenance Facility Modifications	\$300,000.00	No
ML11029	City of Santa Ana	9/7/2012	3/6/2020		\$262,500.00	\$0.00	Expansion of Existing CNG Station, Install N	\$262,500.00	No
ML11032	City of Gardena	3/2/2012	9/1/2018		\$102,500.00	\$0.00	Modify Maint. Facility, Expand CNG station,	\$102,500.00	No
ML11034	City of Los Angeles, Department of	5/4/2012	1/3/2019		\$630,000.00	\$0.00	Purchase 21 H.D. CNG Vehicles	\$630,000.00	No
ML11036	City of Riverside	1/27/2012	1/26/2019		\$670,000.00	\$0.00	Install New CNG Station, Purchase 9 H.D. N	\$670,000.00	No
ML11038	City of Santa Monica	5/18/2012	7/17/2018		\$400,000.00	\$0.00	Maintenance Facility Modifications	\$400,000.00	No
ML11040	City of South Pasadena	5/4/2012	1/3/2019		\$30,000.00	\$0.00	Purchase 1 Nat. Gas H.D. Vehicle	\$30,000.00	No
ML11041	City of Santa Ana	9/7/2012	11/6/2018		\$265,000.00	\$34,651.86	Purchase 7 LPG H.D. Vehicles, Retrofit 6 H.	\$230,348.14	No
ML11042	City of Chino	2/17/2012	4/16/2018		\$35,077.00	\$30,000.00	Purchase 1 Nat. Gas H.D. Vehicle, Repower	\$5,077.00	No
ML11043	City of Hemet Public Works	2/3/2012	2/2/2019		\$60,000.00	\$30,000.00	Purchase 2 H.D. Nat. Gas Vehicles	\$30,000.00	No
ML11045	City of Newport Beach	2/3/2012	8/2/2018	8/2/2019	\$30,000.00	\$0.00	Purchase 1 Nat. Gas H.D. Vehicle	\$30,000.00	No
MS11001	Mineral LLC	4/22/2011	4/30/2013	4/30/2015	\$111,827.00	\$96,686.83	Design, Develop, Host and Maintain MSRC	\$15,140.17	No
MS11010	Border Valley Trading	8/26/2011	10/25/2017	4/25/2020	\$150,000.00	\$0.00	New LNG Station	\$150,000.00	No
MS11016	CR&R Incorporated	4/12/2013	10/11/2019		\$100,000.00	\$90,000.00	New CNG Station - Perris	\$10,000.00	No
MS11019	City of Corona	11/29/2012	4/28/2020		\$225,000.00	\$0.00	Expansion of Existing CNG Station	\$225,000.00	No
MS11055	KEC Engineering	2/3/2012	8/2/2018		\$250,000.00	\$135,000.00	Repower 5 H.D. Off-Road Vehicles	\$115,000.00	No
MS11056	The Better World Group	12/30/2011	12/29/2013	12/29/2015	\$196,836.00	\$110,337.00	Programmatic Outreach Services	\$86,499.00	No
MS11058	L A Service Authority for Freeway E	5/31/2013	4/30/2014		\$123,395.00	\$123,395.00	Implement 511 "Smart Phone" Application	\$0.00	No
MS11060	Rowland Unified School District	8/17/2012	1/16/2019	1/16/2020	\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS11061	Eastern Municipal Water District	3/29/2012	5/28/2015		\$11,659.00	\$1,450.00	Retrofit One Off-Road Vehicle under Showc	\$10,209.00	No
MS11062	Load Center	9/7/2012	1/6/2016	12/6/2016	\$175,384.00	\$169,883.00	Retrofit Six Off-Road Vehicles under Showc	\$5,501.00	No
MS11064	City of Hawthorne	7/28/2012	8/27/2018	8/27/2019	\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS11065	Temecula Valley Unified School Distr	8/11/2012	1/10/2019		\$50,000.00	\$0.00	Expansion of Existing CNG Station	\$50,000.00	No
MS11066	Torrance Unified School District	11/19/2012	9/18/2018		\$42,296.00	\$42,296.00	Expansion of Existing CNG Station	\$0.00	No
MS11067	City of Redlands	5/24/2012	11/23/2018	11/23/2019	\$85,000.00	\$0.00	Expansion of Existing CNG Station	\$85,000.00	No
MS11068	Ryder System Inc.	7/28/2012	10/27/2018		\$175,000.00	\$157,500.00	New Public Access L/CNG Station (Fontana)	\$17,500.00	No
MS11069	Ryder System Inc.	7/28/2012	8/27/2018		\$175,000.00	\$157,500.00	New Public Access L/CNG Station (Orange)	\$17,500.00	No
MS11071	City of Torrance Transit Department	12/22/2012	1/21/2019		\$175,000.00	\$0.00	New Limited Access CNG Station	\$175,000.00	No
MS11076	SA Recycling, LLC	5/24/2012	9/23/2015		\$424,801.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$424,801.00	No
MS11079	Bear Valley Unified School District	2/5/2013	10/4/2019		\$175,000.00	\$175,000.00	New Limited Access CNG Station	\$0.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS11081	Metropolitan Stevedore Company	9/7/2012	1/6/2016		\$45,416.00	\$0.00	Install DECS on Two Off-Road Vehicles	\$45,416.00	No
MS11082	Baumot North America, LLC	8/2/2012	12/1/2015		\$65,958.00	\$0.00	Install DECS on Four Off-Road Vehicles	\$65,958.00	No
MS11085	City of Long Beach Fleet Services B	8/23/2013	12/22/2016		\$159,012.00	\$0.00	Retrofit Seven H.D. Off-Road Vehicles Under	\$159,012.00	No
MS11086	DCL America Inc.	6/7/2013	10/6/2016		\$500,000.00	\$0.00	Retrofit Eight H.D. Off-Road Vehicles Under	\$500,000.00	No
MS11091	California Cartage Company, LLC	4/5/2013	8/4/2016		\$55,000.00	\$0.00	Retrofit Two H.D. Off-Road Vehicles Under	\$55,000.00	No
MS11092	Griffith Company	2/5/2013	6/4/2016		\$390,521.00	\$0.00	Retrofit 17 H.D. Off-Road Vehicles Under Sh	\$390,521.00	No
Total: 40									

Pending Execution Contracts

ML11024	County of Los Angeles, Dept of Publi				\$90,000.00	\$0.00	Purchase 3 Nat. Gas H.D. Vehicles	\$90,000.00	No
MS11073	Los Angeles Unified School District				\$175,000.00	\$0.00	Expansion of Existing CNG Station	\$175,000.00	No
MS11084	Ivanhoe Energy Services and Develo				\$66,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$66,750.00	No
Total: 3									

Declined/Cancelled Contracts

MS11013	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Huntington Beach	\$150,000.00	No
MS11014	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Santa Ana	\$150,000.00	No
MS11015	Go Natural Gas, Inc.				\$150,000.00	\$0.00	New CNG Station - Inglewood	\$150,000.00	No
MS11046	Luis Castro				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11047	Ivan Borjas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11048	Phase II Transportation				\$1,080,000.00	\$0.00	Repower 27 Heavy-Duty Vehicles	\$1,080,000.00	No
MS11049	Ruben Caceras				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11050	Carlos Arrue				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11051	Francisco Vargas				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11053	Jose Ivan Soltero				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11054	Albino Meza				\$40,000.00	\$0.00	Repower One Heavy-Duty Vehicle	\$40,000.00	No
MS11059	Go Natural Gas				\$150,000.00	\$0.00	New Public Access CNG Station - Paramou	\$150,000.00	No
MS11063	Standard Concrete Products				\$310,825.00	\$0.00	Retrofit Two Off-Road Vehicles under Show	\$310,825.00	No
MS11070	American Honda Motor Company				\$100,000.00	\$0.00	Expansion of Existing CNG Station	\$100,000.00	No
MS11072	Trillium USA Company DBA Californi				\$150,000.00	\$0.00	New Public Access CNG Station	\$150,000.00	No
MS11077	DCL America Inc.				\$263,107.00	\$0.00	Retrofit of 13 Off-Road Diesel Vehicles with	\$263,107.00	No
MS11083	Cattrac Construction, Inc.				\$500,000.00	\$0.00	Install DECS on Eight Off-Road Vehicles	\$500,000.00	No
MS11088	Diesel Emission Technologies				\$32,750.00	\$0.00	Retrofit Three H.D. Off-Road Vehicles Under	\$32,750.00	No
MS11089	Diesel Emission Technologies				\$9,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$9,750.00	No
MS11090	Diesel Emission Technologies				\$14,750.00	\$0.00	Retrofit One H.D. Off-Road Vehicle Under S	\$14,750.00	No
Total: 20									

Closed Contracts

ML11007	Coachella Valley Association of Gov	7/29/2011	7/28/2012		\$250,000.00	\$249,999.96	Regional PM10 Street Sweeping Program	\$0.04	Yes
ML11035	City of La Quinta	11/18/2011	11/17/2012		\$25,368.00	\$25,368.00	Retrofit 3 On-Road Vehicles w/DECS	\$0.00	Yes

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS11002	A-Z Bus Sales, Inc.	7/15/2011	12/31/2011	6/30/2013	\$1,705,000.00	\$1,705,000.00	Alternative Fuel School Bus Incentive Progr	\$0.00	Yes
MS11003	BusWest	7/26/2011	12/31/2011	12/31/2012	\$1,305,000.00	\$1,305,000.00	Alternative Fuel School Bus Incentive Progr	\$0.00	Yes
MS11004	Los Angeles County MTA	9/9/2011	2/29/2012		\$450,000.00	\$299,743.34	Clean Fuel Transit Service to Dodger Stadium	\$150,256.66	Yes
MS11006	Orange County Transportation Autho	10/7/2011	2/29/2012	8/31/2012	\$268,207.00	\$160,713.00	Metrolink Service to Angel Stadium	\$107,494.00	Yes
MS11018	Orange County Transportation Autho	10/14/2011	1/31/2012		\$211,360.00	\$211,360.00	Express Bus Service to Orange County Fair	\$0.00	Yes
MS11052	Krisda Inc	9/27/2012	6/26/2013		\$120,000.00	\$120,000.00	Repower Three Heavy-Duty Vehicles	\$0.00	Yes
MS11057	Riverside County Transportation Co	7/28/2012	3/27/2013		\$100,000.00	\$89,159.40	Develop and Implement 511 "Smart Phone"	\$10,840.60	Yes
MS11074	SunLine Transit Agency	5/11/2012	7/31/2012		\$41,849.00	\$22,391.00	Transit Service for Coachella Valley Festival	\$19,458.00	Yes
MS11080	Southern California Regional Rail Au	4/6/2012	7/31/2012		\$26,000.00	\$26,000.00	Metrolink Service to Auto Club Speedway	\$0.00	Yes
Total: 11									
Open/Complete Contracts									
ML11022	City of Anaheim	3/16/2012	7/15/2018		\$150,000.00	\$150,000.00	Purchase of 5 H.D. Vehicles	\$0.00	No
ML11026	City of Redlands	3/2/2012	10/1/2018		\$90,000.00	\$90,000.00	Purchase 3 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11028	City of Glendale	1/13/2012	5/12/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. CNG Vehicles	\$0.00	Yes
ML11030	City of Fullerton	2/3/2012	3/2/2018		\$109,200.00	\$109,200.00	Purchase 2 Nat. Gas H.D. Vehicles, Retrofit	\$0.00	Yes
ML11031	City of Culver City Transportation De	12/2/2011	12/1/2018		\$300,000.00	\$300,000.00	Purchase 10 H.D. Nat. Gas Vehicles	\$0.00	Yes
ML11033	City of Los Angeles, Bureau of Sanit	3/16/2012	1/15/2019		\$1,080,000.00	\$1,080,000.00	Purchase 36 LNG H.D. Vehicles	\$0.00	Yes
ML11037	City of Anaheim	12/22/2012	12/21/2019		\$300,000.00	\$300,000.00	Purchase 12 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11039	City of Ontario	1/27/2012	9/26/2018		\$180,000.00	\$180,000.00	Purchase 6 Nat. Gas H.D. Vehicles	\$0.00	Yes
ML11044	City of Ontario	1/27/2012	6/26/2019		\$400,000.00	\$400,000.00	Expand Existing CNG Station	\$0.00	Yes
MS11008	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11009	USA Waste of California, Inc.	10/24/2013	4/23/2020		\$125,000.00	\$125,000.00	Expansion of Existing LCNG Station	\$0.00	Yes
MS11011	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Signal Hill	\$0.00	Yes
MS11012	EDCO Disposal Corporation	12/30/2011	4/29/2019		\$100,000.00	\$100,000.00	New CNG Station - Buena Park	\$0.00	Yes
MS11017	CR&R, Inc.	3/2/2012	2/1/2018		\$100,000.00	\$100,000.00	Expansion of existing station - Garden Grov	\$0.00	Yes
MS11087	Cemex Construction Material Pacific,	10/16/2012	2/15/2016		\$448,766.00	\$448,760.80	Retrofit 13 H.D. Off-Road Vehicles Under Sh	\$5.20	Yes
Total: 15									

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2011-2012 Contracts									
Open Contracts									
ML12013	City of Pasadena	10/19/2012	3/18/2015		\$200,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$200,000.00	No
ML12014	City of Santa Ana	11/8/2013	8/7/2020		\$384,000.00	\$4,709.00	9 H.D. Nat. Gas & LPG Trucks, EV Charging	\$379,291.00	No
ML12015	City of Fullerton	4/25/2013	11/24/2020		\$40,000.00	\$10,000.00	HD CNG Vehicle, Expand CNG Station	\$30,000.00	No
ML12016	City of Cathedral City	1/4/2013	10/3/2019		\$60,000.00	\$0.00	CNG Vehicle & Electric Vehicle Infrastructure	\$60,000.00	No
ML12017	City of Los Angeles, Bureau of Sanit	6/26/2013	5/25/2020		\$950,000.00	\$0.00	32 H.D. Nat. Gas Vehicles	\$950,000.00	No
ML12018	City of West Covina	10/18/2013	10/17/2020		\$300,000.00	\$0.00	Expansion of Existing CNG Station	\$300,000.00	No
ML12019	City of Palm Springs	9/6/2013	7/5/2015		\$38,000.00	\$0.00	EV Charging Infrastructure	\$38,000.00	No
ML12020	City of Los Angeles, Department of	9/27/2012	3/26/2019		\$450,000.00	\$0.00	15 H.D. Nat. Gas Vehicles	\$450,000.00	No
ML12021	City of Rancho Cucamonga	9/14/2012	1/13/2020		\$40,000.00	\$30,000.00	Four Medium-Duty Nat. Gas Vehicles	\$10,000.00	No
ML12022	City of La Puente	12/6/2013	6/5/2020		\$110,000.00	\$0.00	2 Medium-Duty and Three Heavy-Duty CNG	\$110,000.00	No
ML12023	County of Los Angeles Internal Servi	8/1/2013	2/28/2015		\$250,000.00	\$0.00	EV Charging Infrastructure	\$250,000.00	No
ML12039	City of Redlands	2/8/2013	10/7/2019		\$90,000.00	\$0.00	Three Heavy-Duty Nat. Gas Vehicles	\$90,000.00	No
ML12041	City of Anaheim Public Utilities Depa	4/4/2014	10/3/2015		\$68,977.00	\$0.00	EV Charging Infrastructure	\$68,977.00	No
ML12043	City of Hemet	6/24/2013	9/23/2019		\$60,000.00	\$0.00	Two Heavy-Duty Nat. Gas Vehicles	\$60,000.00	No
ML12045	City of Baldwin Park DPW	2/14/2014	12/13/2020		\$400,000.00	\$0.00	Install New CNG Station	\$400,000.00	No
ML12046	City of Irvine	8/11/2013	3/10/2021		\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12048	City of La Palma	1/4/2013	11/3/2018		\$20,000.00	\$0.00	Two Medium-Duty LPG Vehicles	\$20,000.00	No
ML12049	City of Rialto Public Works	7/14/2014	9/13/2015		\$30,432.00	\$0.00	EV Charging Infrastructure	\$30,432.00	No
ML12050	City of Baldwin Park	4/25/2013	4/24/2014	10/24/2014	\$402,400.00	\$0.00	EV Charging Infrastructure	\$402,400.00	No
ML12051	City of Bellflower	2/7/2014	2/6/2016		\$270,000.00	\$0.00	EV Charging Infrastructure	\$270,000.00	No
ML12052	City of Whittier	3/14/2013	7/13/2019		\$165,000.00	\$0.00	Expansion of Existing CNG Station	\$165,000.00	No
ML12054	City of Palm Desert	9/30/2013	2/28/2015		\$77,385.00	\$0.00	EV Charging Infrastructure	\$77,385.00	No
ML12057	City of Coachella	8/28/2013	8/27/2019		\$57,456.00	\$0.00	Purchase One Nat. Gas H.D. Vehicle/Street	\$57,456.00	No
ML12066	City of Manhattan Beach	1/7/2014	4/6/2015		\$5,900.00	\$0.00	Electric Vehicle Charging Infrastructure	\$5,900.00	No
MS12001	Los Angeles County MTA	7/1/2012	4/30/2013		\$300,000.00	\$0.00	Clean Fuel Transit Service to Dodger Stadiu	\$300,000.00	No
MS12004	USA Waste of California, Inc.	10/24/2013	11/23/2019		\$175,000.00	\$0.00	Construct New Limited-Access CNG Station	\$175,000.00	No
MS12008	Bonita Unified School District	7/12/2013	12/11/2019		\$175,000.00	\$0.00	Construct New Limited-Access CNG Station	\$175,000.00	No
MS12009	Sysco Food Services of Los Angeles	1/7/2014	4/6/2020		\$150,000.00	\$0.00	Construct New Public-Access CNG Station	\$150,000.00	No
MS12010	Murrieta Valley Unified School Distric	4/5/2013	9/4/2019		\$242,786.00	\$242,786.00	Construct New Limited-Access CNG Station	\$0.00	No
MS12011	Southern California Gas Company	6/14/2013	6/13/2019	6/13/2020	\$150,000.00	\$0.00	Construct New Public-Access CNG Station -	\$150,000.00	No
MS12024	Southern California Gas Company	6/13/2013	12/12/2019		\$150,000.00	\$0.00	Construct New Public-Access CNG Station -	\$150,000.00	No
MS12026	U-Haul Company of California	3/14/2013	3/13/2019		\$500,000.00	\$317,743.43	Purchase 23 Medium-Heavy Duty Vehicles	\$182,256.57	No
MS12027	C.V. Ice Company, Inc.	5/17/2013	11/16/2019		\$75,000.00	\$0.00	Purchase 3 Medium-Heavy Duty Vehicles	\$75,000.00	No
MS12029	Community Action Partnership of Or	11/2/2012	11/1/2018		\$25,000.00	\$14,850.00	Purchase 1 Medium-Heavy Duty Vehicle	\$10,150.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
MS12031	Final Assembly, Inc.	11/2/2012	11/1/2018		\$100,000.00	\$29,201.40	Purchase 4 Medium-Heavy Duty Vehicles	\$70,798.60	No
MS12033	Mike Diamond/Phase Management	12/22/2012	12/21/2018		\$500,000.00	\$21,735.00	Purchase 20 Medium-Heavy Duty Vehicles	\$478,265.00	No
MS12034	Ware Disposal Company, Inc.	11/2/2012	11/1/2018		\$133,070.00	\$74,763.00	Purchase 8 Medium-Heavy Duty Vehicles	\$58,307.00	No
MS12060	City of Santa Monica	4/4/2014	8/3/2017		\$500,000.00	\$0.00	Transit-Oriented Bicycle Sharing Program	\$500,000.00	No
MS12061	Orange County Transportation Autho	3/14/2014	3/13/2017		\$224,000.00	\$81,604.80	Transit-Oriented Bicycle Sharing Program	\$142,395.20	No
MS12062	Fraser Communications	12/7/2012	5/31/2014		\$998,669.00	\$989,218.49	Develop & Implement "Rideshare Thursday"	\$9,450.51	Yes
MS12064	Anaheim Transportation Network	3/26/2013	12/31/2014		\$127,296.00	\$46,944.56	Implement Anaheim Circulator Service	\$80,351.44	No
MS12067	Leatherwood Construction, Inc.	11/8/2013	3/7/2017		\$122,719.00	\$0.00	Retrofit Six Vehicles w/DECS - Showcase III	\$122,719.00	No
MS12072	99 Cents Only Stores	4/5/2013	9/4/2019		\$100,000.00	\$0.00	Construct New CNG Station	\$100,000.00	No
MS12073	FirstCNG, LLC	7/27/2013	12/26/2019		\$150,000.00	\$0.00	Construct New CNG Station	\$150,000.00	No
MS12074	Arcadia Unified School District	7/5/2013	9/4/2019		\$175,000.00	\$175,000.00	Expansion of Existing CNG Infrastructure	\$0.00	No
MS12075	CR&R Incorporated	7/27/2013	1/26/2021		\$100,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$100,000.00	No
MS12076	City of Ontario	3/8/2013	4/7/2015		\$75,000.00	\$0.00	Maintenance Facilities Modification	\$75,000.00	No
MS12077	City of Coachella	6/14/2013	6/13/2020		\$225,000.00	\$0.00	Construct New CNG Station	\$225,000.00	No
MS12078	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Vernon	\$75,000.00	No
MS12079	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Boyle H	\$75,000.00	No
MS12080	City of Pasadena	11/8/2013	8/7/2020		\$225,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$225,000.00	No
MS12081	Penske Truck Leasing Co., L.P.	1/7/2014	1/6/2016		\$75,000.00	\$0.00	Maintenance Facility Modifications - Santa A	\$75,000.00	No
MS12082	City of Los Angeles, Bureau of Sanit	11/20/2013	2/19/2021		\$175,000.00	\$0.00	Install New CNG Infrastructure	\$175,000.00	No
MS12084	Airport Mobil Inc.	12/6/2013	5/5/2020		\$150,000.00	\$0.00	Install New CNG Infrastructure	\$150,000.00	No
MS12085	Bear Valley Unified School District	4/25/2013	6/24/2014		\$75,000.00	\$75,000.00	Maintenance Facility Modifications	\$0.00	No
MS12086	SuperShuttle International, Inc.	3/26/2013	3/25/2019		\$225,000.00	\$202,500.00	Purchase 23 Medium-Heavy Duty Vehicles	\$22,500.00	No
MS12087	Los Angeles County MTA	8/29/2013	11/28/2015		\$125,000.00	\$125,000.00	Implement Rideshare Incentives Program	\$0.00	Yes
MS12088	Orange County Transportation Autho	12/6/2013	3/5/2016		\$125,000.00	\$0.00	Implement Rideshare Incentives Program	\$125,000.00	No
MS12089	Riverside County Transportation Co	10/18/2013	9/17/2015		\$250,000.00	\$0.00	Implement Rideshare Incentives Program	\$250,000.00	No
MS12Hom	Mansfield Gas Equipment Systems				\$296,000.00	\$0.00	Home Refueling Apparatus Incentive Progra	\$296,000.00	No
Total: 60									
Pending Execution Contracts									
MS12083	Brea Olinda Unified School District				\$59,454.00	\$0.00	Install New CNG Infrastructure	\$59,454.00	No
Total: 1									
Declined/Cancelled Contracts									
ML12038	City of Long Beach Public Works				\$26,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$26,000.00	No
ML12040	City of Duarte Transit				\$30,000.00	\$0.00	One Heavy-Duty Nat. Gas Vehicle	\$30,000.00	No
ML12044	County of San Bernardino Public Wo				\$250,000.00	\$0.00	Install New CNG Station	\$250,000.00	No
ML12053	City of Mission Viejo				\$60,000.00	\$0.00	EV Charging Infrastructure	\$60,000.00	No
MS12007	WestAir Gases & Equipment				\$100,000.00	\$0.00	Construct New Limited-Access CNG Station	\$100,000.00	No
MS12030	Complete Landscape Care, Inc.				\$150,000.00	\$0.00	Purchase 6 Medium-Heavy Duty Vehicles	\$150,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
FY 2012-2014 Contracts									
Open Contracts									
ML14011	City of Palm Springs	6/13/2014	1/12/2016		\$79,000.00	\$0.00	Bicycle Racks, Bicycle Outreach & Educatio	\$79,000.00	No
ML14015	Coachella Valley Association of Gov	6/6/2014	9/5/2015		\$250,000.00	\$250,000.00	Street Sweeping Operations	\$0.00	No
ML14021	Riverside County Regional Park and	7/24/2014	12/23/2016		\$250,000.00	\$0.00	Bicycle Trail Improvements	\$250,000.00	No
ML14029	City of Irvine	7/11/2014	6/10/2017		\$90,500.00	\$0.00	Bicycle Trail Improvements	\$90,500.00	No
ML14031	Riverside County Waste Managemem	6/13/2014	12/12/2020		\$90,000.00	\$0.00	Purchase 3 H.D. CNG Vehicles	\$90,000.00	No
ML14033	City of Irvine	7/11/2014	2/10/2021		\$60,000.00	\$0.00	Purchase 2 H.D. CNG Vehicles	\$60,000.00	No
ML14049	City of Moreno Valley	7/11/2014	3/10/2021		\$105,000.00	\$0.00	One HD Nat Gas Vehicle, EV Charging, Bicy	\$105,000.00	No
ML14050	City of Yucaipa	7/11/2014	9/10/2015		\$84,795.00	\$0.00	Installation of Bicycle Lanes	\$84,795.00	No
ML14064	City of Claremont	7/11/2014	7/10/2020		\$60,000.00	\$0.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$60,000.00	No
MS14002	Orange County Transportation Autho	9/6/2013	4/30/2014		\$576,833.00	\$576,833.00	Clean Fuel Transit Service to Orange Count	\$0.00	No
MS14003	Orange County Transportation Autho	8/1/2013	4/30/2014	10/30/2014	\$194,235.00	\$0.00	Implement Metrolink Service to Angel Stadiu	\$194,235.00	No
MS14004	Orange County Transportation Autho	9/24/2013	4/30/2014		\$36,800.00	\$35,485.23	Implement Express Bus Service to Solar De	\$1,314.77	No
MS14005	Transit Systems Unlimited, Inc.	4/11/2014	2/28/2016		\$515,200.00	\$95,680.00	Provide Expanded Shuttle Service to Hollyw	\$419,520.00	No
MS14007	Orange County Transportation Autho	6/6/2014	4/30/2015		\$208,520.00	\$0.00	Implement Special Metrolink Service to Ang	\$208,520.00	No
MS14009	A-Z Bus Sales, Inc.	1/17/2014	12/31/2014		\$250,000.00	\$160,000.00	Alternative Fuel School Bus Incentive Progr	\$90,000.00	No
MS14042	Grand Central Recycling & Transfer	6/6/2014	9/5/2021		\$150,000.00	\$0.00	Expansion of Existing CNG Station	\$150,000.00	No
MS14045	TIMCO CNG Fund I, LLC	6/6/2014	12/5/2020		\$150,000.00	\$0.00	New Public-Access CNG Station in Inglewoo	\$150,000.00	No
MS14047	Southern California Regional Rail Au	3/7/2014	9/30/2014		\$49,203.00	\$0.00	Special Metrolink Service to Autoclub Speed	\$49,203.00	No
MS14048	BusWest	3/14/2014	12/31/2014		\$444,850.00	\$444,850.00	Alternative Fuel School Bus Incentive Progr	\$0.00	No
MS14052	Arcadia Unified School District	6/13/2014	10/12/2020		\$78,000.00	\$0.00	Expansion of an Existing CNG Fueling Statio	\$78,000.00	No
Total: 20									
Pending Execution Contracts									
ML14010	City of Cathedral City				\$25,000.00	\$0.00	Street Sweeping Operations	\$25,000.00	No
ML14012	City of Santa Ana				\$244,000.00	\$0.00	EV Charging and 7 H.D. LPG Vehicles	\$244,000.00	No
ML14013	City of Los Angeles, Bureau of Sanit				\$3,840,000.00	\$0.00	Purchase 128 H.D. Nat. Gas Vehicles	\$3,840,000.00	No
ML14014	City of Torrance				\$56,000.00	\$0.00	EV Charging Infrastructure	\$56,000.00	No
ML14016	City of Anaheim				\$380,000.00	\$0.00	Purchase 2 H.D. Vehicles, Expansion of Exi	\$380,000.00	No
ML14018	City of Los Angeles, Department of				\$810,000.00	\$0.00	Purchase 27 H.D. Nat. Gas Vehicles	\$810,000.00	No
ML14019	City of Corona Public Works				\$178,263.00	\$0.00	EV Charging, Bicycle Racks, Bicycle Locker	\$178,263.00	No
ML14020	County of Los Angeles Dept of Publi				\$150,000.00	\$0.00	San Gabriel Bike Trail Underpass Improvem	\$150,000.00	No
ML14022	County of Los Angeles Department o				\$300,000.00	\$0.00	Purchase 10 H.D. Nat. Gas Vehicles	\$300,000.00	No
ML14023	County of Los Angeles Department o				\$230,000.00	\$0.00	Maintenance Fac. Modifications-Westcheste	\$230,000.00	No
ML14024	County of Los Angeles Department o				\$230,000.00	\$0.00	Maintenance Fac. Modifications-Baldwin Par	\$230,000.00	No
ML14025	County of Los Angeles Dept of Publi				\$500,000.00	\$0.00	Construct New CNG Station in Mailbu	\$500,000.00	No

Cont.#	Contractor	Start Date	Original End Date	Amended End Date	Contract Value	Remitted	Project Description	Award Balance	Billing Complete?
ML14026	County of Los Angeles Dept of Publi				\$500,000.00	\$0.00	Construct New CNG Station in Castaic	\$500,000.00	No
ML14027	County of Los Angeles Dept of Publi				\$500,000.00	\$0.00	Construct New CNG Station in Downey	\$500,000.00	No
ML14028	City of Fullerton				\$126,950.00	\$0.00	Expansion of Existing CNG Infrastructure	\$126,950.00	No
ML14030	County of Los Angeles Internal Servi				\$425,000.00	\$0.00	Bicycle Racks, Outreach & Education	\$425,000.00	No
ML14032	City of Rancho Cucamonga				\$226,770.00	\$0.00	Expansion of Existing CNG Infr., Bicycle L	\$226,770.00	No
ML14034	City of Lake Elsinore				\$56,700.00	\$0.00	EV Charging Stations	\$56,700.00	No
ML14051	City of Brea				\$450,000.00	\$0.00	Installation of Bicycle Trail	\$450,000.00	No
ML14054	City of Torrance				\$350,000.00	\$0.00	Upgrade Maintenance Facility	\$350,000.00	No
ML14055	City of Highland				\$500,000.00	\$0.00	Bicycle Lanes and Outreach	\$500,000.00	No
ML14056	City of Redlands				\$125,000.00	\$0.00	Bicycle Lanes	\$125,000.00	No
ML14060	County of Los Angeles Internal Servi				\$104,400.00	\$0.00	Electric Vehicle Charging Infrastructure	\$104,400.00	No
ML14061	City of La Habra				\$60,000.00	\$0.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$60,000.00	No
ML14062	City of San Fernando				\$500,000.00	\$0.00	Construct New CNG Fueling Station	\$500,000.00	No
ML14065	City of Orange				\$10,000.00	\$0.00	Electric Vehicle Charging Infrastructure	\$10,000.00	No
ML14066	City of South Pasadena				\$142,096.00	\$0.00	Bicycle Trail Improvements	\$142,096.00	No
ML14067	City of Duarte Transit				\$60,000.00	\$0.00	Purchase Two Heavy-Duty Nat. Gas Vehicle	\$60,000.00	No
ML14068	City of South Pasadena				\$10,183.00	\$0.00	Electric Vehicle Charging Infrastructure	\$10,183.00	No
ML14069	City of Beaumont				\$200,000.00	\$0.00	Construct New CNG Infrastructure	\$200,000.00	No
ML14070	City of Rancho Cucamonga				\$365,245.00	\$0.00	Bicycle Trail Improvements	\$365,245.00	No
ML14071	City of Manhattan Beach				\$22,485.00	\$0.00	Electric Vehicle Charging Infrastructure	\$22,485.00	No
ML14072	City of Cathedral City				\$136,000.00	\$0.00	Medium & H.D. Vehicles, EV Charging, Bike	\$136,000.00	No
MS14001	Los Angeles County MTA				\$1,227,450.00	\$0.00	Clean Fuel Transit Service to Dodger Stadlu	\$1,227,450.00	No
MS14008	Orange County Transportation Autho				\$601,187.00	\$0.00	Implement Clean Fuel Bus Service to Orang	\$601,187.00	No
MS14035	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Sun Valle	\$75,000.00	No
MS14036	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - La Mirad	\$75,000.00	No
MS14037	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Carson	\$75,000.00	No
MS14038	Penske Truck Leasing Co., L.P.				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Fontana	\$75,000.00	No
MS14039	Waste Management Collection and				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Irvine	\$75,000.00	No
MS14040	Waste Management Collection and				\$75,000.00	\$0.00	Vehicle Maint. Fac. Modifications - Santa An	\$75,000.00	No
MS14041	USA Waste of California, Inc.				\$175,000.00	\$0.00	Limited-Access CNG Station, Vehicle Maint.	\$175,000.00	No
MS14046	Ontario CNG Station Inc.				\$150,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$150,000.00	No
MS14053	Upland Unified School District				\$175,000.00	\$0.00	Expansion of Existing CNG Infrastructure	\$175,000.00	No
MS14057	Los Angeles County MTA				\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14058	Orange County Transportation Autho				\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No
MS14059	Riverside County Transportation Co				\$939,625.00	\$0.00	Implement Various Signal Synchronization P	\$939,625.00	No
MS14072	San Bernardino Associated Govern				\$1,250,000.00	\$0.00	Implement Various Signal Synchronization P	\$1,250,000.00	No

Total: 48

[↑ Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 29

REPORT: California Air Resources Board Monthly Meeting

SYNOPSIS: The California Air Resources Board met on July 24-25, 2014, 2014 in Sacramento. The following is a summary of this meeting.

RECOMMENDED ACTION:
Receive and File.

Judith Mitchell, Member
SCAQMD Governing Board

sm

The Air Resources Board's (ARB or Board) July meeting was held on July 24-25 in Sacramento, at the California Environmental Protection Agency Headquarters Building. Key items presented are summarized below.

1. Update on the Assembly Bill 8 Required Joint Evaluation Process of the Carl Moyer Program

The Board heard an informational update from ARB staff and the California Air Pollution Control Officers Association (CAPCOA) on the joint evaluation process of the Carl Moyer Program. Assembly Bill 8 extended a portion of the Carl Moyer Program funds through 2023 and required ARB, in consultation with the local air districts, to convene working groups to evaluate the long-term policies and goals of the Carl Moyer Program and to identify potential improvements that may require statutory changes. As part of this effort, the Incentive Programs Advisory Group (IPAG) is holding public meetings to develop and implement concepts to improve the Carl Moyer Program. This evaluation process will ensure the Program's continued success to reduce emissions and protect public health.

2. Revisions to the Carl Moyer Memorial Air Quality Standards Attainment Program Guidelines for On-Road Heavy-Duty Trucks

The Board approved revisions to the Carl Moyer Program Guidelines to address eligibility and to prioritize funding in light of recent amendments to ARB's Truck and Bus Regulation. These revisions include limiting eligibility to fleets of 1-3 trucks, allowing funding of light heavy-duty trucks, and reducing minimum California usage from 75 percent to 51 percent. With extensive outreach, these revisions will increase funding opportunities and participation as well as clarify program administration.

SCAQMD Staff Comments/Testimony: South Coast AQMD supported CARB staff's proposal with the following request. A written statement should be provided from CARB to CAPCOA confirming the policy for eligibility of small fleets of up to three trucks for funding even if the first truck was retrofitted with particulate trap after July 1, 2014, but all potential penalties were settled with CARB and the fleet was identified as compliant for the Truck and Bus Regulation in TRUCKS.

3. Update on the Revised Office of Environmental Health Hazard Assessment Health Risk Assessment Guidelines

The Board heard an update from ARB staff, CAPCOA, and the Office of Environmental Health Hazard Assessment (OEHHA) on the upcoming changes to OEHHA's Health Risk Assessment Guidelines. The updated guidance includes new methods for estimating health risk that reflects the greater sensitivity of children to air toxics. As a result, cancer risk estimates will be greater than previously calculated. Staff described the joint work plan with the air districts to incorporate the new information into ARB's risk management programs for air toxics. Staff will continue to work with OEHHA and CAPCOA to improve California air toxics programs which have led to an 80 percent reduction in ambient cancer risk statewide since 1990.

SCAQMD Staff Comments/Testimony: Dr. Wallerstein testified on the proposed change in Risk Assessment Methodology and SCAQMD's initial response approach as approved by the Governing Board.

4. Update on ARB's Greenhouse Gas Measurement Program and the Megacities Project

The Board heard an update on staff's efforts to quantify ambient greenhouse gas (GHG) concentrations throughout the state. California's GHG monitoring network is the first of its kind and provides important data for understanding GHG emissions. The Board also

heard from a representative of the National Aeronautics and Space Administration (NASA) who discussed the Megacities Carbon Project. This multi-agency project uses satellite data to assess the relative concentrations of greenhouse gases at locations worldwide.

5. Update on the Status of the Compliance Offset Program Under the California Cap-and-Trade Program

The Board heard an update on the status of the California Cap-and-Trade Offset Program. The use of offsets in the Cap-and-Trade program encourages voluntary emission reductions in sectors not covered by the program, supports development of clean, low carbon technologies within and outside of California, and provides environmental, social, and economic benefits. New offset protocols will be presented for Board consideration later this year.

6. Update on San Joaquin Valley Sustainable Communities Strategies

The Board heard an informational update on the status of the eight San Joaquin Valley Metropolitan Planning Organizations' (MPO) Sustainable Communities Strategies (SCS). Staff described MPO transportation strategies and examples of infill and mixed use projects in the Valley, and the process for the Board's upcoming reviews of the GHG determinations for each SCS. Staff also briefed the Board on the process underway to provide public input on potential updates to the SB 375 greenhouse gas reduction targets first set by the Board in 2010. The Board will consider the process and timing for updating the targets at its October meeting.

7. Update on the Proposed Re-Adoption of the Low Carbon Fuel Standard

The Board heard an update on the status of the proposed re-adoption of the Low Carbon Fuel Standard (LCFS), as well as amendments under development. The Board will consider a re-proposed LCSF and an alternative diesel fuel regulation in early 2015. In the update, staff discussed how the LCSF complements the Cap-and-Trade program, the status of the LCFS credit market, the role of the LCFS in reaching California's GHG targets, and out-of-state partnerships. Staff highlighted regulatory amendments under development to address potential increases in oxide of nitrogen (NOx) from biodiesel, and several technical amendments reflecting what has been learned in the four years of implementation.

Consent Items

1. Five Research Proposals

The Board approved five research proposals that were developed based on the Board-approved Fiscal Year 2014-2015 Annual Research Plan. The funded projects are designed to (1) study ultrafine particulate matter exposure and mortality using existing epidemiological data, (2) study neurological effects of ultrafine particulate matter in an animal model, (3) improve understanding of ozone formation in the southern San Joaquin Valley, (4) evaluate how current natural gas infrastructure can accommodate future conversion to near-zero transportation technology, and (5) develop lifecycle data for hydrogen fuel production and delivery.

Attachment

CARB July 24-25, 2014 Meeting Agenda

LOCATION:

Air Resources Board
Byron Sher Auditorium, Second Floor
1001 I Street
Sacramento, California 95814
<http://www.calepa.ca.gov/EPAbldg/location.htm>

PUBLIC MEETING AGENDA

**Thursday, July 24, 2014
and
Friday, July 25, 2014**

This facility is accessible by public transit. For transit information, call (916) 321-BUSS, website: <http://www.sacrt.com>
(This facility is accessible to persons with disabilities.)

TO SUBMIT WRITTEN COMMENTS ON AN AGENDA ITEM IN ADVANCE OF THE MEETING GO TO: <http://www.arb.ca.gov/lispub/comm/bclist.php>

[Webcast](#)

**Thursday
July 24, 2014
9:00 a.m.**

CONSENT CALENDAR:

The following item on the consent calendar will be presented to the Board immediately after the start of the public meeting, unless removed from the consent calendar either upon a Board member's request or if someone in the audience wishes to speak on it.

Consent Item #

14-6-1: Public Meeting to Consider Five Research Proposals

Staff will seek Board approval of research proposals that were developed based on the Board-approved Fiscal Year 2014-2015 Annual Research Plan.

- 1) "Association Between Long-Term Ultrafine Particulate Matter Exposure and Premature Death," University of California, Davis, Proposal No. 2775-279.

[More Information](#)

[Proposed Resolution](#)

- 2) "Effects of Ultrafine Particulate Matter Exposure in an Animal Model of Neurodegenerative Disease," University of California, Los Angeles, Proposal No. 2776-279.

[More Information](#)

[Proposed Resolution](#)

- 3) "Ozone in the Lower Atmosphere and Its Contribution to High Ozone Concentrations at Ground-Level in the Southern San Joaquin Valley," University of California, Davis, Proposal No. 2777-279.

[More Information](#)

[Proposed Resolution](#)

- 4) *"Potential to Build Current Natural Gas Infrastructure to Accommodate the Future Conversion to Near-Zero Transportation Technology," University of California, Davis, Proposal No. 2780-279.*

[More Information](#)

[Proposed Resolution](#)

- 5) *"The Development of Lifecycle Data for Hydrogen Fuel Production and Delivery," University of California, Davis, Proposal No. 2781-279.*

[More Information](#)

[Proposed Resolution](#)

DISCUSSION ITEMS:

Note: The following agenda items may be heard in a different order at the Board meeting.

Agenda Item #

- 14-6-2: Update to the Board on the Assembly Bill 8 Required Joint Evaluation Process of the Carl Moyer Program Being Conducted by the Air Resources Board and California Air Pollution Control Officers Association**

Staff will update the Board on the joint evaluation process the Air Resources Board (ARB) and the California Air Pollution Control Officers Association are conducting on the Carl Moyer Memorial Air Quality Standards Attainment (Carl Moyer) Program. Assembly Bill 8 (Perea), which extended a portion of the Carl Moyer Program funds through 2023, required ARB, in consultation with the local air districts, to convene working groups to evaluate the long-term policies and goals of the Carl Moyer Program and to identify potential improvements that may require statutory changes.

[More Information](#)

[Staff Presentation](#)

- 14-6-3: Public Meeting to Consider Proposed Revisions to the Carl Moyer Memorial Air Quality Standards Attainment Program Guidelines for On-Road Heavy-Duty Trucks**

Separate from the Assembly Bill 8 evaluation process, staff will propose implementation revisions to the Carl Moyer Program Guidelines to address near-term concerns about funding eligibility and to prioritize small fleet funding consistent with recent amendments to the Truck and Bus Regulation. The proposed revisions would increase funding opportunities and participation and clarify program administration.

[More Information](#)

[Staff Presentation](#)

- 14-6-4: Update to the Board on the Revised Office of Environmental Health Hazard Assessment Health Risk Assessment Guidelines**

Staff will update the Board on the upcoming changes to the Office of Environmental Health Hazard Assessment Health Risk Assessment Guidelines. These guidelines will impact local and State air toxics programs, as well as the way project proponents perform environmental analyses of projects. Staff will also describe the joint workplan with the air districts to incorporate the new information into our risk management programs for air toxics.

[More Information](#)

[Staff Presentation](#)

14-6-5: Update to the Board on the Air Resources Board's Greenhouse Gas Measurement Program and the Megacities Project

Staff will update the Board on efforts to quantify ambient greenhouse gas (GHG) concentrations throughout the state to understand and verify ARB's GHG emissions inventories and evaluate the successful implementation of the various GHG regulations and programs in California. Additionally, staff from the National Aeronautics and Space Administration will be present and be able to discuss the Megacities Carbon Project in Southern California.

[ARB - More Information](#)

[NASA - More Information](#)

[Staff Presentation](#)

14-6-6: Update to the Board on the Status of the Compliance Offset Program Under the California Cap-and-Trade Program

Staff will update the Board on the status of California's Cap-and-Trade Offset Program. This will include a status update and next steps.

[More Information](#)

[Staff Presentation](#)

Friday
July 25, 2014
8:30 a.m.

14-6-7: Update to the Board on San Joaquin Valley Sustainable Communities Strategies

Staff will provide an informational update to the Board on the eight San Joaquin Valley Metropolitan Planning Organizations' (MPO) Sustainable Communities Strategies (SCS) as a follow-up to a similar update provided at the May Board Meeting. Under Senate Bill 375 (SB 375), the Sustainable Communities and Climate Protection Act of 2008, each of the California MPOs is required to prepare and adopt a regional transportation plan with an SCS that includes a forecasted development pattern for the region that is integrated with the transportation network, measures, and policies that could, if feasible, meet the greenhouse gas emission reduction targets set by the Air Resources Board. This informational update will focus on the status of the SCSs in the San Joaquin Valley.

[More Information](#)

[Staff Presentation](#)

14-6-8: Update to the Board on the Proposed Re-Adoption of the Low Carbon Fuel Standard

Staff will update the Board on the status of the proposed re-adoption of the Low Carbon Fuel Standard, as well as associated amendments to the program, scheduled to be heard by the Board this fall. The amendments under development respond to Board direction to staff, stakeholder feedback, and experience gained from four years of implementation.

[More Information](#)

[Staff Presentation](#)

CLOSED SESSION

The Board will hold a closed session, as authorized by Government Code section 11126(e), to confer with, and receive advice from, its legal counsel regarding the following pending or potential litigation, and as authorized by Government Code section 11126(a):

POET, LLC, et al. v. Corey, et al., Superior Court of California (Fresno County), Case No. 09CECG04850; plaintiffs' appeal, California Court of Appeal, Fifth District, Case No. F064045; California Supreme Court, Case No. S213394.

Rocky Mountain Farmers Union, et al. v. Corey, U.S. District Court (E.D. Cal. Fresno), Case No. 1:09-CV-02234-LJO-DLB; ARB interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 09-CV-02234.

American Fuels and Petrochemical Manufacturing Associations, et al. v. Corey, et al., U.S. District Court (E.D. Cal. Fresno), Case No. 1:10-CV-00163-AWI-GSA; ARB's interlocutory appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 10-CV-00163.

California Dump Truck Owners Association v. Nichols, U.S. District Court (E.D. Cal. Sacramento), Case No. 2:11-CV-00384-MCE-GGH; plaintiffs' appeal, U.S. Court of Appeals, Ninth Circuit, Case No. 13-15175.

Engine Manufacturers Association v. California Air Resources Board, Sacramento Superior Court, Case No. 34-2010-00082774; ARB's appeal, California Court of Appeal, Third District, Case No. C071891.

Truck and Engine Manufacturers Association v. California Air Resources Board, Sacramento Superior Court, Case No. 34-2013-00150733.

Alliance of Automobile Manufacturers v. California Air Resources Board; Sacramento Superior Court, Case No. 34-2013-00152974.

Citizens Climate Lobby and Our Children's Earth Foundation v. California Air Resources Board, San Francisco Superior Court, Case No. CGC-12-519554, plaintiffs' appeal, California Court of Appeal, First District, Case No. A138830.

California Chamber of Commerce et al. v. California Air Resources Board, Sacramento Superior Court, Case No. 34-2012-80001313; plaintiffs' appeal, California Court of Appeal, Third District, Case No. C075930.

Morning Star Packing Company, et al. v. California Air Resources Board, et al., Sacramento Superior Court, Case No. 34-2013-800001464; plaintiffs' appeal, California Court of Appeal, Third District, Case No. C075954.

Delta Construction Company, et al. v. United States Environmental Protection Agency, U.S. Court of Appeals, District of Columbia Circuit, Case No. 11-1428.

City of Los Angeles through Department of Water and Power v. California Air Resources Board, et al., Los Angeles Superior Court, Case No. BS140620 (transferred to Sacramento Superior Court, Case No. 34-2013-80001451-CU-WM-GDS).

Alliance for California Business v. Nichols et al., Glenn County Superior Court, Case No. 13CV01232.

Dalton Trucking, Inc. v. United States Environmental Protection Agency, U.S. Court of Appeals, District of Columbia Circuit, Case No. 13-1283.

Owner-Operator Independent Drivers Association Inc. et al. v. Richard W. Corey et al., U.S. District Court, (E.D. Cal. Fresno) Case No. 1:13-CV-01998-LJO-SAB (transferred by court to E.D. Cal. Sacramento, Case No. 2:14-CV-00186-MCE-AC).

John R. Lawson Rock & Oil, Inc. et al. v. California Air Resources Board et al., Fresno County Superior Court, Case No. 14-CECG01494.

Transportation Solutions Defense and Education Fund v. California Air Resources Board, Fresno County Superior Court, Case No. 14CECG01788.

OPPORTUNITY FOR MEMBERS OF THE BOARD TO COMMENT ON MATTERS OF INTEREST

Board members may identify matters they would like to have noticed for consideration at future meetings and comment on topics of interest; no formal action on these topics will be taken without further notice.

OPEN SESSION TO PROVIDE AN OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO ADDRESS THE BOARD ON SUBJECT MATTERS WITHIN THE JURISDICTION OF THE BOARD

Although no formal Board action may be taken, the Board is allowing an opportunity to interested members of the public to address the Board on items of interest that are within the Board's jurisdiction, but that do not specifically appear on the agenda. Each person will be allowed a maximum of three minutes to ensure that everyone has a chance to speak.

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Consistent with California Government Code Section 7296.2, special accommodation or language needs may be provided for any of the following:

- An interpreter to be available at the hearing;
- Documents made available in an alternate format or another language;
- A disability-related reasonable accommodation.

To request these special accommodations or language needs, please contact the Clerk of the Board at (916) 322-5594 or by facsimile at (916) 322-3928 as soon as possible, but no later than 7 business days before the scheduled Board hearing. TTY/TDD/Speech to Speech users may dial 711 for the California Relay Service.

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- Un intérprete que esté disponible en la audiencia
- Documentos disponibles en un formato alterno u otro idioma
- Una acomodación razonable relacionados con una incapacidad

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SMOKING IS NOT PERMITTED AT MEETINGS OF THE CALIFORNIA AIR RESOURCES BOARD

 [Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 30

REPORT: Status Report on Regulation XIII – New Source Review

SYNOPSIS: This report presents the federal final determination of equivalency for January 2012 through December 2012. As such, it provides information regarding the status of Regulation XIII – New Source Review in meeting federal NSR requirements and shows that SCAQMD’s NSR program is in final compliance with applicable federal requirements from January 2012 through December 2012.

COMMITTEE: Stationary Source, July 25, 2014, Reviewed

RECOMMENDED ACTIONS:
Receive and file the attached report.

Barry R. Wallerstein, D.Env.
Executive Officer

MN:WCT:GT:GEI

SUMMARY

SCAQMD’s NSR Rules and Regulations are designed to comply with federal and state Clean Air Act requirements and to ensure that emission increases from new and modified sources do not interfere with efforts to attain and maintain the federal and state air quality standards, while economic growth in the South Coast region is not unnecessarily impeded. Regulation XIII - New Source Review regulates and accounts for all emission changes (both increases and decreases) from the permitting of new, modified, and relocated stationary sources within SCAQMD, excluding NO_x and SO_x sources that are subject to Regulation XX – Regional Clean Air Incentives Market (RECLAIM)¹.

¹ While the RECLAIM program is different than command and control rules for NO_x and SO_x and it provides greater regulatory flexibility to businesses, its NSR requirements, as specified in Rule 2005, are designed to comply with the governing principles of NSR contained in the federal Clean Air Act (CAA) and the California State Health and Safety Code.

Rule 1315 – Federal New Source Review Tracking System, was most recently adopted by the Board on February 4, 2011 to maintain SCAQMD’s ability to issue permits to major sources that require offsets, but obtain offset credits from the SCAQMD’s Priority Reserve under Rule 1309.1, and/or that are exempt from offsets under SCAQMD Rule 1304. In addition, Rule 1315 requires that, commencing with calendar year 2010, and for each calendar year thereafter, the Executive Officer prepare a Preliminary Determination of Equivalency (PDE) and Final Determination of Equivalency (FDE) which cover NSR activities for twelve-month periods. The calendar year 2012 FDE is required to be reported to the SCAQMD Board at the September 2014 Board meeting. In addition, Rule 1315 requires the Executive Officer to aggregate and track offsets debited from and deposited to SCAQMD’s offset accounts for specified periods between October 1, 1990 and December 31, 2005 and each calendar year from 2006 through 2030 for purpose of making periodic determinations of compliance. The last annual report submitted to the SCAQMD Board on February 7, 2014 presented the PDE for calendar year 2012 and demonstrated that SCAQMD’s NSR program continued to meet the federal offset requirements for calendar year 2012. This demonstration occurs in Table 1.

Rule 1315(g)(1)(C) requires that, commencing with calendar year 2011, and for each calendar year thereafter, the Executive Officer include in each FDE the cumulative net emission increase of each nonattainment air contaminant that occurred at major and minor facilities from February 4, 2011, the date of adoption of Rule 1315, through the end of the calendar year 2011 reporting period and through the end of each subsequent reporting period. This cumulative tracking is shown in Table 3. Rule 1315(g)(2) requires projection of the cumulative net emission increases at the end of each of the two subsequent reporting periods, which for the calendar year 2012 FDE are calendar years 2013 and 2014. This cumulative increase tracking is shown in Table 3 below. It differs from Table 1 because Table 1 only tracks debits and credits for major sources, as required for demonstrating equivalency to federal NSR to EPA. In contrast, Table 3 includes both major and minor source activity, in order to implement the cap on cumulative increases included in Rule 1315 to ensure that emission increases never exceed the amounts evaluated in the staff’s analysis for the rule prepared pursuant to the California Environmental Quality Act.

This report, which presents the FDE covering the calendar year 2012 reporting period, and includes the net emission increase of each nonattainment air contaminant, demonstrates compliance with federal NSR requirements by establishing aggregate equivalence with federal offset requirements for sources that were not exempt from federal offset requirements, but were either exempt from offsets or obtained their offsets from SCAQMD pursuant to Regulation XIII.

The PDE for calendar year 2012 is summarized in Table 1. Additionally, the projections of SCAQMD’s federal offset account balances for January 2013 through

December 2013 and January 2014 through December 2014, as specified and required pursuant to Rule 1315(e), are presented in Table 2. These results demonstrate that there were, and project that there will be, adequate offsets available to mitigate all applicable emission increases during these reporting periods. This report, therefore, demonstrates that, for calendar years 2012 through 2014, SCAQMD's NSR program continues to meet and is projected to meet federal offset requirements and is equivalent to those requirements on an aggregate basis². Although the United States Environmental Protection Agency (U.S. EPA) designated the SCAQMD as attainment with the federal CO standard effective June 11, 2007, SCAQMD will continue to track and report CO accumulated credits and account balances for informational purposes only.

Table 1
Federal Offset Accounts FDE for January 2012 through December 2012

DESCRIPTION	VOC	NO _x	SO _x	CO	PM ₁₀
2011 Actual Ending Balance^a (ton/day)	84.06	26.80	2.88	17.74	12.94
2012 Discount of Credits for Surplus Adjustment ^b (ton/day)	-0.44	-0.84	0.00	-0.63	-0.01
2012 Actual Total Credits ^c (lb/day)	10,632	2,205	670	3,587	1,323
2012 Actual Total Debits ^c (lb/day)	-224	-922	0	0	0
Sum of Actual Credits/Debits^c (lb/day)	10,408	1,283	670	3,587	1,323
Sum of Actual Credits/Debits^c (ton/day)	5.20	0.64	0.34	1.79	0.66
2012 Ending Balance^d (ton/day)	88.82	26.60	3.22	18.90	13.59

^a "2011 Actual Ending Balance" is from Table 1 of the 2011 PDE Report dated September 6, 2013.

^b This adjustment is surplus at the time of use discount, which is also discussed in Rule 1315(c)(4).

^c For an explanation of the sources of credits and debits please refer to page 9 of this report, as well as Rule 1315(c) and the February 4, 2011 Rule 1315 staff report. Credits are shown as positive and debits as negative, while sum of credits/debits are shown as positive or negative, as appropriate.

^d "2012 Ending Balance" equals the "2011 Actual Ending Balance," reduced by any surplus adjustments, and the sum of actual credits and actual debits.

² SCAQMD's NSR program is deemed to be equivalent to federal offset requirements because SCAQMD's ending offset account balances remained positive, indicating there were adequate offsets during this reporting period.

Table 2
Projections of SCAQMD’s Federal Offset Account Balances for
January 2013 through December 2013, and
January 2014 through December 2014

DESCRIPTION	VOC	NO _x	SO _x	CO	PM10
2012 Ending Balance^a (ton/day)	88.82	26.60	3.22	18.90	13.59
2013 Projected Discount of Credits for Surplus Adjustment ^b (ton/day)	-2.18	-1.14	0.00	-0.16	-0.02
2013 Projected Starting Balance (ton/day)	86.64	25.46	3.22	18.74	13.57
2013 Total Projected Credits ^c (lb/day)	11,680	2,420	460	4,220	1,680
2013 Total Projected Debits ^c (lb/day)	-520	-640	0	0	-180
2013 Sum of Projected Credits/Debits^c (lb/day)	11,160	1,780	460	4,220	1,500
2013 Sum of Projected Credits/Debits^c (ton/day)	5.58	0.89	0.23	2.11	0.75
2013 Projected Ending Balance^d (ton/day)	92.22	26.35	3.45	20.85	14.32
2014 Projected Discount of Credits for Surplus Adjustment ^b (ton/day)	-2.26	-1.13	0.00	-0.18	-0.02
2014 Projected Starting Balance (ton/day)	89.96	25.22	3.45	20.67	14.30
2014 Total Projected Credits ^c (lb/day)	11,680	2,420	460	4,220	1,680
2014 Total Projected Debits ^c (lb/day)	-520	-640	0	0	-180
2014 Sum of Projected Credits/Debits^c (lb/day)	11,160	1,780	460	4,220	1,500
2014 Sum of Projected Credits/Debits^c (ton/day)	5.58	0.89	0.23	2.11	0.75
2014 Projected Ending Balance^e (ton/day)	95.54	26.11	3.68	22.78	15.05

^a “2012 Ending Balance” is as shown in Table 1.

^b This adjustment is surplus at the time of use discount, which is also discussed in Rule 1315(c)(4).

^c For an explanation of the sources of credits and debits please refer to page 9 of this report, as well as Rule 1315(c) and the Rule 1315 staff report. Credits are shown as positive and debits as negative, while sum of credits/debits are shown as positive or negative, as appropriate.

^d “2013 Projected Ending Balance” equals the “2012 Ending Balance” plus any projected surplus adjustments and the sum of projected credits and projected debits.

^e “2014 Projected Ending Balance” equals the “2013 Projected Ending Balance” plus any projected surplus adjustments and the sum of projected credits and projected debits.

Table 3
Cumulative Net Emission Increase
(February 4, 2011 – December 31, 2012)

DESCRIPTION	VOC	NO _x	SO _x	CO	PM10
2011 Net Emission Increase^a (ton/day)	-1.76	0.06	0.03	NA	0.17
2012 Increases in Potential to Emit ^b (ton/day)	3.43	1.17	0.35	NA	0.76
2012 Decreases in Potential to Emit ^c (ton/day)	-6.10	-1.38	-0.42	NA	-0.75
Cumulative Net Emission Increase^d (ton/day)	-4.43	-0.15	-0.04	NA	0.18
Rule 1315(g) Table B Threshold (through December of 2012 - ton/day)	2.80	0.25	0.06	NA	0.40

- ^a “2011 Net Emission Increase” is from Table 3 of the FDE report dated September 6, 2013.
- ^b Increases in potential to emit that occur at major and minor facilities pursuant to Rule 1304 or Rule 1309.1.
- ^c Decreases in potential to emit that occur at major and minor facilities pursuant to Rule 1304 or Rule 1309.1.
- ^d “Cumulative Net Emission Increase” is the sum of the increases and decreases in the potential to emit that occur at major and minor facilities pursuant to Rule 1304 or Rule 1309.1.

Table 4
Projections of Cumulative Net Emission Increase
January 2013 through December 2013, and
January 2014 through December 2014

DESCRIPTION	VOC	NO _x	SO _x	CO	PM ₁₀
2012 Net Emission Increase^a (ton/day)	-2.67	-0.21	-0.07	NA	0.01
2013 Projected Emission Increase ^b (ton/day)	3.41	1.12	0.27	NA	0.97
2013 Projected Emission Decrease ^b (ton/day)	-5.62	-1.19	-0.29	NA	-0.88
2013 Projected Cumulative Net Emission Increase^c (ton/day)	-4.88	-0.28	-0.09	NA	0.10
Rule 1315(g) Table B 2013 Threshold (ton/day)	3.91	0.35	0.09	NA	0.55
2014 Projected Emission Increase ^d (ton/day)	3.41	1.12	0.27	NA	0.97
2014 Projected Emission Decrease ^d (ton/day)	-5.62	-1.19	-0.29	NA	-0.88
2014 Projected Cumulative Net Emission Increase^e (ton/day)	-7.09	-0.35	-0.11	NA	0.19
Rule 1315(g) Table B 2014 Threshold (ton/day)	5.03	0.45	0.11	NA	0.71

- ^a “2012 Net Emission Increase” is the sum of the 2012 increases and decreases in potential to emit shown in Table 3.
- ^b “2013 Projected Emission Increase” and “2013 Projected Emission Decrease” are the averages of the 2011 and 2012 increases and decreases, respectively, in potential to emit.
- ^c “2013 Projected Cumulative Net Emission Increase” is the sum of the 2013 projected emission increase and decrease added to the 2012 net emission increase.
- ^d “2014 Projected Emission Increase” and “2014 Projected Emission Decrease” are the averages of the 2011 and 2012 increases and decreases, respectively, in potential to emit.
- ^e “2014 Projected Cumulative Net Emission Increase” is the sum of the 2014 projected emission increase and decrease added to the 2013 net emission increase.

BACKGROUND

SCAQMD originally adopted its New Source Review Rules and Regulations (NSR program) in 1976. U.S. EPA approved SCAQMD’s NSR program into California’s State Implementation Plan (SIP) initially on January 21, 1981 (46FR5965) and again on December 4, 1996 (61FR64291). U.S. EPA approved SCAQMD’s May 3, 2002 Rule 1309.1 amendments into the SIP on June 19, 2006 (71FR35157). Rule 1315 was approved by U.S. EPA on May 25, 2012 (77FR31200). The original program has evolved into the current version of the Regulation XIII rules in response to federal and

state legal requirements and the changing needs of the local environment and economy. Specific amendments to the NSR rules were adopted by SCAQMD's Board on December 6, 2002 to facilitate and provide additional options for credit generation and use. Rule 1315 was adopted and re-adopted on September 8, 2006 and August 3, 2007, respectively. Rule 1309.1 was amended and replaced on September 8, 2006 and August 3, 2007, respectively. On November 3, 2008, in response to a law suit filed by a group of environmental organizations, a California State Superior Court Judge in the County of Los Angeles invalidated the August 3, 2007 adopted Rule 1315 and amendments to Rule 1309.1, and prohibited SCAQMD from taking any action to implement Rule 1315 or the amendments to Rule 1309.1 until it had prepared a new environmental assessment under the California Environmental Quality Act (CEQA). This resulted in a "permit moratorium" that lasted until January 1, 2010, when SB837 of the 2009 Legislative Session allowed the SCAQMD to resume issuing permits. On February 4, 2011 SCAQMD adopted a revised and enhanced version of Rule 1315, which included a new CEQA assessment. This CEQA assessment was upheld by the court.

One element of SCAQMD's NSR program design is to offset emission increases in a manner at least equivalent to federal and state statutory NSR requirements. To this end, SCAQMD's NSR program implements the federal and state statutory requirements for NSR and ensures that construction and operation of new, relocated and modified stationary sources does not interfere with progress towards attainment of the National and State Ambient Air Quality Standards. SCAQMD's computerized emission tracking system is utilized to demonstrate equivalence with federal and state offset requirements on an aggregate basis. Specific NSR requirements of federal law are presented below.

Federal Law

The NSR requirements of federal law vary with respect to the area's attainment status and classification. Based on their classification, the South Coast Air Basin (SOCAB) and Salton Sea Air Basin (SSAB) must comply with the requirements for extreme and severe non-attainment areas, respectively, for ozone precursors (*i.e.*, VOC and NO_x). During the equivalency period, both the SOCAB and the SSAB complied with the requirements for serious non-attainment areas for PM₁₀ and its precursors (*i.e.*, VOC, NO_x, and SO_x)³. SSAB is considered attainment for CO. Although effective June 11, 2007, U.S. EPA designated the SOCAB as attainment with federal CO standards, SCAQMD will continue to track and report CO accumulated credits and account balances for informational purposes only. Both SOCAB and SSAB are considered attainment for SO₂ and NO₂, however SO_x and NO_x are precursors to pollutants for which both SOCAB and SSAB are designated as non-attainment⁴. The Mojave Desert Air Basin (MDAB) is currently classified as moderate non-attainment for ozone precursors (*i.e.*, VOC and NO_x) and as attainment for NO_x, SO_x, and CO. Federal law

³ As of July 26, 2013, SOCAB was redesignated as attainment for the federal 24-hour PM₁₀ standard and EPA approved a PM₁₀ maintenance plan.

⁴ SO_x is a precursor to PM₁₀ and NO_x is a precursor to both PM₁₀ and ozone.

requires the use of LAER (Lowest Achievable Emissions Rate) and offsets for emissions of nonattainment pollutants (or their precursors) for new, modified, and relocated stationary sources, when the source is considered a major stationary source⁵ for the nonattainment pollutants (or their precursors). (State law and SCAQMD rules refer to “best available control technology” which is defined similarly to LAER.) This report demonstrates compliance with the federal NSR offsets requirements.

OVERVIEW OF ANALYSIS METHODOLOGY

The two most important elements of federal non-attainment NSR requirements are LAER and emission offsetting for major sources. As set forth in SCAQMD’s *Best Available Control Technology (BACT) Guidelines*, SCAQMD’s BACT requirements are at least as stringent as federal LAER for major sources. Furthermore, the NSR emission offset requirements that SCAQMD implements through its permitting process ensure that sources provide emission reduction credits (ERCs) to offset their emission increases in compliance with federal requirements. As a result, these sources each comply with federal offset requirements by providing their own ERCs. However, certain sources are exempt from SCAQMD’s offset requirements pursuant to Rule 1304 or qualify for offsets from SCAQMD’s Community Bank (applications received between October 1, 1990 and February 1, 1996 only) or Priority Reserve, both pursuant to Rule 1309.1. SCAQMD has determined that providing offset exemptions and the Priority Reserve (as well as the previously-administered Community Bank) is important to the NSR program and the local economy while encouraging installation of BACT. Therefore, SCAQMD has assumed the responsibility of providing the necessary offsets for exempt sources, the Priority Reserve, and the Community Bank. This report examines deposits to and withdrawals from SCAQMD’s emission offset accounts during calendar year 2012 and demonstrates programmatic equivalence on an aggregate basis with federal emission offset requirements for the sources exempt from providing offsets and the sources that receive offsets from the Priority Reserve or the Community Bank.

SCAQMD’s Offset Accounts

For the purposes of this report, federal debit and credit accounting for SCAQMD’s offset accounts was conducted pursuant to the same procedures previously agreed to by U.S. EPA and as delineated in Rule 1315 and described in the staff report. Each of the

⁵ The major source thresholds for SOCAB, SSAB and MDAB, based on their attainment status during the calendar year 2007 through 2010 reporting periods are summarized below:

Pollutant	SOCAB	SSAB	MDAB
VOC	10 ton/year	25 ton/year	100 ton/year
NOx	10 ton/year	25 ton/year	100 ton/year
SOx	100 ton/year	100 ton/year	100 ton/year
PM10	70 ton/year	70 ton/year	100 ton/year
CO	50 ton/year	100 ton/year	100 ton/year

pollutants subject to offset requirements has its own federal offset account. SCAQMD's NSR program is considered to provide equivalent or greater offsets of emissions as required by federal requirements for each subject pollutant provided the balance of offsets left in SCAQMD's federal offset account for each pollutant remains positive, indicating that there were adequate offsets available.

Debit Accounting

SCAQMD tracks all emission increases that are offset through the Priority Reserve or the Community Bank, as well as all increases that are exempt from offset requirements pursuant to Rule 1304 – Exemptions. These increases are all debited from SCAQMD's federal offset accounts when they occur at federal major sources. For federal equivalency demonstrations, SCAQMD uses an offset ratio of 1.2-to-1.0 for extreme non-attainment pollutants (ozone and ozone precursors, *i.e.*, VOC and NO_x) and uses 1.0-to-1.0 for all other non-attainment pollutants (non-ozone precursors, *i.e.*, SO_x, CO, and PM₁₀) to offset any such increases. That is, 1.2 pounds are deducted from SCAQMD's offset accounts for each pound of maximum allowable permitted potential to emit VOC or NO_x increase at a federal source and 1.0 pound is deducted for each pound of maximum allowable permitted potential to emit SO_x, CO, or PM₁₀ at a federal source. A more detailed description of federal debit accounting is provided in the Rule 1315 staff report and Rule 1315(c)(2).

Credit Accounting

When emissions from a permitted source are permanently reduced (*e.g.*, installation of control equipment, removal of the source) and the emission reduction is not required by rule or law and is not called for by an AQMP control measure that has been assigned a target implementation date⁶, the permit holder may apply for ERCs for the pollutants reduced. If the permit holder for the source generating the emission reduction had previously received offsets from SCAQMD or has a "positive NSR balance" (*i.e.*, pre-1990 net emission increase), the quantity of SCAQMD offsets used or the amount of the positive NSR balance is subtracted from the reduction and "paid back" to SCAQMD's accounts prior to issuance of an ERC pursuant to Rule 1306. In certain other cases, permit holders do not always submit applications to claim ERCs or do not qualify to obtain ERCs for their equipment shutdowns or other eligible emission reductions. These unclaimed reductions are referred to as "orphan shutdowns" and are deposited in SCAQMD's offset accounts. ERCs provided as offsets by major sources in excess of the applicable federally-required offset ratio and all ERCs provided as offsets by minor sources not subject to federal offset requirements are also deposited in SCAQMD's federal offset accounts. A more detailed description of federal credit accounting is provided in Rule 1315(c)(3)(A) and its staff report.

⁶ Refer to Rule 1309(b) for a complete explanation of eligibility requirements.

DETERMINATION OF EQUIVALENCY WITH FEDERAL OFFSET REQUIREMENTS

The federal offset requirements FDE for calendar year 2012 and the projections for calendar years 2013 and 2014 are summarized in Tables 1 and 2, respectively. The detailed listing of actual final withdrawals, deposits and sum of withdrawals and deposits are shown in Tables A and B of Attachment I to this letter.

These account balances, shown in Tables A and B reflect the tracking sequence described under Rule 1315(c)(5).

CALIFORNIA ENVIRONMENTAL QUALITY ACT NET EMISSION INCREASES

Pursuant to Rule 1315(g)(1), net emission increases of nonattainment air contaminants at major and minor facilities are based on the sum of increases and decreases at major and minor facilities pursuant to Rule 1304 – Exemptions or Rule 1309.1 – Priority Reserve, calculated as specified in Rule 1315(c).

Increases in potential to emit for major and minor sources include potential to emit increases from the Priority Reserve or Community Bank pursuant to Rule 1309.1 and exemptions from the offset requirements of Rule 1303 – Requirements pursuant to Rule 1304 – Exemptions.

Decreases to potential to emit for major and minor sources include, but are not limited to, potential to emit reductions as a result of orphan shutdowns and/or orphan reductions.

In addition, pursuant to Rule 1315(g)(2), projections of cumulative net emission increases at the end of the two subsequent reporting periods are based upon the average of the aggregate increase in potential to emit of each nonattainment air contaminant and the average of the aggregate emissions reductions of the same nonattainment air contaminant for the five reporting periods most recently included in a PDE or an FDE or each of the reporting periods commencing with the 2011 reporting period, whichever is fewer reporting periods. This calendar year 2012 FDE includes the second report of projections of cumulative net emission increases, and therefore the averages are based on the 2011 and 2012 increases in potential to emit and emissions reductions.

Cumulative net emission increases and projected cumulative net emission increase must remain below the thresholds shown in Table B of Rule 1315 in order for the Executive Officer to be able to continue to issue permits to exempt sources pursuant to Rule 1304 or subject to Rule 1309.1 Priority Reserve.

This provision, Rule 1315(g), is designed to ensure that cumulative net emission increases never exceed the amount analyzed in the Environmental Impact Report for Rule 1315, and is known as the “CEQA Backstop.”

CONCLUSIONS

The analysis presented in this report demonstrates the following:

- For calendar year 2012, SCAQMD’s NSR program provides equivalent offsets to those required by federal NSR requirements and is equivalent to the federal requirements on an aggregate basis. This conclusion is based on the fact that the final ending offset account balances for this calendar year reporting period, as shown in Table 1, remained positive for all pollutants.
- SCAQMD’s projected offset account balances for 2013 and 2014 are projected to remain positive. This means that the sum of the estimated deposits to and withdrawals from SCAQMD’s offset accounts during 2013 and 2014 are projected to remain positive and, therefore, it demonstrates that SCAQMD’s NSR program is projected to remain equivalent to federal NSR requirements.
- From the date of adoption of Rule 1315 (February 4, 2011) to the end of calendar year 2012, both the cumulative net emission increase of each nonattainment air contaminant at major and minor facilities and the projected cumulative net emission increase for 2013 and 2014 remained below the thresholds identified in Table B of Rule 1315, and therefore the Executive Officer can continue to issue permits to construct and permits to operate that rely on further use of Rule 1304 exemptions or Rule 1309.1 Priority Reserve offsets to major and minor sources.

ATTACHMENT

Attachment I – Detailed Listing of Actual Debits, Actual Credits and Sum of Debits and Credits

ATTACHMENT I

Detailed Listing of Actual Debits, Actual Credits and Sum of Debits and Credits

Table A
Total Actual Debits from SCAQMD's Federal Offset Accounts
(January 2012 through December 2012)

SCAQMD OFFSETS USED	VOC	NO_x	SO_x	CO	PM10
Priority Reserve (lb/day)	-12	-407	0	0	0
Community Bank (lb/day)	0	0	0	0	0
Rule 1304 Exemptions (lb/day)	-175	-361	0	0	0
Sum Total of SCAQMD Offsets (lb/day)	-187	-768	0	0	0
1.2-to-1.0 Offset Ratio (lb/day)	-37	-154	N/A	N/A	N/A
Total Actual Debits to SCAQMD Account (lb/day)	-224	-922	0	0	0
Total Actual Debits to SCAQMD Account (ton/day)	-0.11	-0.46	0	0	0

Table B
Total Actual Credits to SCAQMD’s Federal Offset Accounts
(January 2011 through December 2011)

CREDITS RECEIVED	VOC	NO_x	SO_x	CO	PM₁₀
Major Source Orphan Credits (lb/day)	607	833	0	1,267	0
Minor Source Orphan Credits (lb/day)	11,602	1,922	830	3,117	1492
Total Orphan Credits (lb/day)	12,209	2,755	830	4,384	1,492
Adjustment to Actual Emissions* (lb/day)	-2,442	-551	-166	-877	-298
Discount of ERCs** (lb/day)	1	0	0	73	4
Creditable Minor Source ERC Use (lb/day)	864	1	6	0	125
Creditable Major Source ERC Use (lb/day)	0	0	0	7	0
Total Actual Credits to SCAQMD Account (lb/day)	10,632	2,205	670	3,587	1,323
Total Actual Credits to SCAQMD Account (ton/day)	5.32	1.10	0.34	1.79	0.66

* Adjustment of orphan shutdown and orphan reduction offset credits deposited in SCAQMD offset accounts to correct from potential emissions to actual emissions as discussed in Rule 1315(c)(3)(B)(i).

** Prior to issuance of ERCs, they are discounted for NSR “Payback,” which includes payback of NSR balance, Community Bank and Priority Reserve allocations, and offset exemptions, as discussed in Rule 1315(c)(3)(A)(v) and Rule 1306(c).

Table C
Sum of Final Credits/Debits Activities in SCAQMD's Federal Offset
Accounts
(January 2012 through December 2012)

Description	VOC	NO _x	SO _x	CO	PM ₁₀
Total Actual Debits* (lb/day)	-224	-922	0	0	0
Total Actual Credits* (lb/day)	10,632	2,205	670	3,587	1,323
Sum of Actual Debits(-)/Credits(+)* (lb/day)	10,408	1,283	670	3,587	1,323
Sum of Actual Debits(-)/Credits(+)* (ton/day)	5.20	0.64	0.34	1.79	0.66

* Debits are shown as negative and Credits as positive, while their sum is shown as negative or positive, as appropriate.

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 32

PROPOSAL: Amend Rule 1111 – Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces

SYNOPSIS: PAR 1111 delays the compliance date for condensing (high efficiency) units until April 1, 2015. The proposed amendment would also add a mitigation fee-based compliance option to allow up to three years' delay for residential furnace manufacturers that require additional time to produce furnaces that meet the 14 ng/Joule emission limit. The proposed mitigation fee will be used to mitigate the air emissions impacts of the delay.

COMMITTEE: Stationary Source, March 21, 2014 and June 20, 2014, Reviewed

RECOMMENDED ACTIONS:

1. Authorize the Executive Officer to:
 - A. Fund contemporaneous NO_x emission reduction projects or series of projects that will offset/mitigate excess emissions from sale of non-compliant heating furnaces through Rule 1111 mitigation fee alternate compliance plans, using funds set aside at the November 6, 2009 meeting for early compliance with Rule 1111 emission limits (Fund 27 – Air Quality Investment Fund).
 - B. Recognize upon receipt into Fund 27 (Air Quality Investment Fund), mitigation fees paid by heating furnace manufacturers in order to reimburse Fund 27 for funds used to mitigate excess emissions from sale of non-compliant furnaces pursuant to Rule 1111 (c)(5);
2. Adopt the attached resolution:
 - A. Certifying the Final Environmental Assessment (EA) for Proposed Amended Rule 1111 - Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces; and,
 - B. Amending Rule 1111 - Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces.

Barry R. Wallerstein, D. Env.
Executive Officer

Background

The purpose of Proposed Amended Rule 1111 – Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces (PAR 1111) is to reduce emissions of nitrogen oxides (NO_x) from gas-fired fan-type residential furnaces. The rule applies to manufacturers, distributors, sales outlets and installers of gas-fired furnaces. Natural gas fired fan-type central furnaces are used in residential and small commercial buildings to provide comfort heating.

Rule 1111 was adopted by the SCAQMD Board in December 1978 setting a NO_x emission limit for residential furnaces of 40 nanograms per joule (ng/J) of heat output (equivalent to 55 ppm at 3% oxygen) beginning January 1, 1984. Rule 1111 was last amended by the SCAQMD Board in November 2009 to lower the NO_x emission limit to 14 nanograms per Joule of heat output, which is a 65% reduction from the previous limit of 40 ng/J (55 ppm).

Implementation of lower NO_x emission limits from the November 2009 rule amendment began in 2012. New mobile home heating units, which were unregulated prior to the 2009 amendment, had to meet a NO_x limit of 40 ng/J in 2012 with a future limit of 14 ng/J in 2018. The 40 ng/J emission limit for mobile home furnaces was based on burner and control technology used in existing residential furnaces.

All other new residential space heating furnaces were required to meet a 14 ng/J NO_x limit by October 1, 2016. The 2009 amendment required the three major categories of residential furnace – condensing (high efficiency), non-condensing and weatherized – to meet the new 14 ng/J NO_x limit by 2014, 2015 and 2016 respectively.

At the time Rule 1111 was amended in 2009, there were no commercially available units meeting the future effective limits. In order to encourage and accelerate technology development, Rule 1111 provided: (1) an incentive for early compliance with the 14 ng/Joule NO_x emission limit, and (2) through the Board resolution, committed SCAQMD funding to promote and assist residential furnace technology demonstration projects.

The 2009 amendment of Rule 1111 also required a technology assessment and status report to the Board. This technology assessment evaluates both the feasibility of the new lower NO_x emission limit and the rule implementation schedule. In addition, the amending resolution requires SCAQMD staff to include an analysis of a mitigation fee option that would allow manufacturers to delay compliance with the new NO_x limit.

Immediately after Rule 1111 was amended in November 2009, the SCAQMD Technology Advancement Office (TAO) initiated a Request for Proposals (RFP) to develop prototype residential furnaces that meet the new 14 ng/J NO_x limit in Rule 1111. The technology development projects have been completed and the prototype furnaces developed through these four projects demonstrate that the new lower Rule 1111 NO_x limit is achievable in all of the types of forced air residential heating furnaces produced for the United States market.

Public Process

The rule development effort for PAR 1111 is part of an ongoing process to evaluate low NOx technologies for combustion equipment. To date, SCAQMD staff has held three Rule 1111 Task Force meetings to discuss SCAQMD funded technology demonstration projects, rule implementation, feasibility of compliance dates, and mitigation fee options with representatives from affected manufacturers, trade organizations and other stakeholders. SCAQMD staff has also held numerous separate discussions with furnace and component manufacturers. In addition, a Public Workshop and CEQA Scoping meeting for PAR 1111 were held on May 22, 2014. PAR 1111 was discussed at the Stationary Source Committee on March 21, 2014 and June 20, 2014.

Affected Facilities

Proposed Rule 1111 affects approximately 15 manufacturers and their associated distributors, wholesalers, builders and installers of residential furnaces. The Air Conditioning Heating and Refrigeration Institute (AHRI), the manufacturer's trade organization, indicates that there are currently no manufacturers of fan-type gas-fired residential furnaces within the SCAQMD jurisdiction. However, these companies do maintain regional sales offices and distribution centers in the SCAQMD.

Summary of Proposal

The proposed amendment will provide manufacturers additional time to produce residential furnaces that meet the NOx emission limit of 14 ng/J. Not all manufacturers will be able to produce compliant furnaces by the compliance dates. Proposed Amended Rule 1111 will add an alternate compliance option to the rule. In lieu of meeting the new lower NOx emission limit, PAR 1111 will provide manufacturers of residential furnaces subject to Rule 1111 an option to pay a per unit mitigation fee of \$200 for each condensing furnace and \$150 for each non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD.

In addition, the proposed rule will delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. This delay will provide manufacturers additional time for testing new furnace designs and submitting and receiving approval of alternate compliance plans for selling non-compliant condensing furnaces.

The mitigation fee alternate compliance option can be used for up to 36 months past the applicable compliance date. However, the manufacturer must submit, 60 days prior to the applicable compliance date, a separate alternate compliance application for each 12 month alternate compliance period after the compliance date.

A manufacturer must submit with each alternate compliance application a compliance plan fee and estimate of the number of units distributed or sold into the SCAQMD during the 12 month time period (July 1 to June 30) prior to the applicable compliance date. At the end of each 12 month alternate compliance period the number of units distributed or sold into the SCAQMD is reconciled and the manufacturer pays fees for the actual number of units distributed or sold into the SCAQMD.

Emission Reductions

Based on sales estimates for condensing (high efficiency) furnaces in southern California, PAR 1111 will result in emission reductions forgone of up to 46 pounds per day during the period from October 1, 2014 until April 1, 2015. These foregone emission reductions, from the sale and installation of non-compliant condensing furnaces during those six months cannot be completely mitigated because the mitigation program will not be in effect until sometime between January 1 and April 1, 2015. However, the mitigation program will be able to offset emission reductions forgone for the remainder of the lifetime of these furnaces once mitigation fees are received during the last calendar quarter of 2014 and the first quarter of 2015.

The PAR 1111 mitigation fee will be used to fund existing SCAQMD programs including the clean leaf-blower and lawn mower exchange programs and Carl Moyer and similar programs. These programs can fully mitigate the potential emission reductions forgone. For example, the cost of a low emission leaf blower is about \$180. Each leaf blower purchased and exchanged for an old leaf blower by the SCAQMD will reduce more than six times the annual NO_x emission reductions forgone due to the purchase of one non-compliant furnace.

Cost Effectiveness

The proposed amendment does not impose additional emission reduction requirements on manufacturers of residential furnaces. The proposed amendment provides an alternate compliance option and delays a compliance date, which is expected to provide regulatory relief for the affected manufacturers and allows additional time to qualify for incentive funds.

Key Issues

SCAQMD staff received comments on the proposed rule at the public workshop, and working group meetings. In addition, stakeholders provided letters summarizing their comments and provided comments at individual meetings with manufacturers. From these comments, the following key issues have been identified:

- Some manufacturers have requested longer delays of compliance dates but one manufacturer has requested no delay of the compliance dates. The proposed 6 month delay for the high efficiency units was first designed to provide a 3 month period whereby manufacturers could submit alternate compliance plans. The additional 3 month delay (to April 1, 2016) was in response to industry concerns addressing implementing new products at the height of the marketing season. Several manufacturers indicated they will be ready to bring their products to the market by the compliance date. In order not to penalize those manufacturers who will meet the compliance date, PAR 1111 allows manufacturers with non-compliant equipment the option of the alternate compliance plan which will provide up to 3 years additional time to meet the standard provided they pay a mitigation fee. In addition, all manufacturers have a 300 day sell through period which enables them to more smoothly transition the introduction of new equipment to the market.

- Some manufacturers have requested the mitigation fee be lower and payment be at the end of a yearlong compliance period. The mitigation fee was set at a level that was determined would be sufficient to bring the cost to the consumer of a non-compliant unit comparable to that of a compliant unit, thus, avoiding a disincentive focused to the new technology. The proposed rule was changed to allow manufacturers to pay mitigation fees at the end of a mitigation fee alternate compliance period.

AQMP and Legal Mandates

The California Health and Safety Code requires the SCAQMD to adopt an Air Quality Management Plan to meet state and federal ambient air quality standards and adopt rules and regulations that carry out the objectives of the AQMP. The Health and Safety Code also requires the SCAQMD to implement all feasible measures to reduce air pollution. This proposed amendment of Rule 1111 provides a 6 month delay in implementing Rule 1111 and Control Measure CMB-03 of the 2007 AQMP. The forgone NO_x emission reductions from this proposed rule amendment are less than 50 pounds per day and temporary so the rule will help achieve compliance with federal and state ambient air quality standards for ozone, PM₁₀ and PM_{2.5}.

California Environmental Quality Act (CEQA) Analysis

Pursuant to California Environmental Quality Act (CEQA) Guidelines § 15252 and SCAQMD Rule 110, the SCAQMD has prepared an Environmental Assessment (EA) for proposed amended Rule 1111. The Draft EA was released for a 30-day public review and comment period from July 29, 2014 to August 27, 2014. No comment letters were received from the public regarding the Draft EA. The environmental analysis in the Draft EA concluded that proposed amended Rule 1111 would not generate any significant adverse environmental impacts.

Since the release of the Draft EA, minor modifications have been made to the document. However, none of the modifications alter any conclusions reached in the Draft EA, nor provide new information of substantial importance relative to the draft document. As a result, these minor revisions do not require recirculation of the Draft EA pursuant to CEQA Guidelines § 15073.5. Therefore, the Draft EA is now a Final EA and is included as an attachment to this Board package.

Socioeconomic Analysis

Proposed Amended Rule 1111 will allow affected manufacturers to pay a mitigation fee of \$150 to \$200 per unit in lieu of complying with the new NO_x emission limit. The option to pay a mitigation fee was requested by manufacturers. As such, PAR 1111 does not impose additional costs on the affected manufacturers beyond what was already analyzed for the previous Rule 1111 amendment in 2009 and does not have additional adverse socioeconomic impacts.

Resource Impacts

Existing staff resources are adequate to implement the proposed amendments.

Attachments

- A. Summary of Proposal
- B. Key Issues and Responses
- C. Rule Development Process
- D. Key Contacts List
- E. Resolution
- F. Proposed Amended Rule
- G. Final Staff Report with Socioeconomic Impact Assessment
- H. Final Environmental Assessment

ATTACHMENT A
SUMMARY OF PROPOSAL

Proposed Amended Rule 1111 – Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces

- Delay compliance date for condensing (high efficiency) units 6 months from October 1, 2014 until April 1, 2015
- Allow up to three years delay with mitigation fee alternate compliance plan
- Mitigation fees of \$200 for condensing units and \$150 for others
- Mitigation fee option requires submittal and approval of mitigation fee alternate compliance plan and payment of mitigation fees at end of compliance period

ATTACHMENT B

KEY ISSUES AND RESPONSES

Proposed Amended Rule 1111 – Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces

Issue – Compliance Schedule: Some manufacturers requested an additional 6 month delay of the condensing furnace compliance date and others requested delays of all compliance dates. One manufacturer has requested no delay of the compliance dates.

Response: *Proposed Amended Rule (PAR) 1111 provides manufacturers flexibility with more than one year of delay and time for product development and testing, as well as for training of distributors and installers. PAR 1111 allows up to three years of delay for any category of furnace for all manufacturers and provides the industry-requested alternate compliance option of a mitigation fee in lieu of meeting the emission limit in the rule. The 10 month sell through period also provides manufacturers flexibility in deciding when to introduce rule compliant furnaces.*

Issue – Mitigation Fee Cost and Payment Schedule: Some manufacturers have requested the mitigation fee be lower and payment be at the end of a year compliance period.

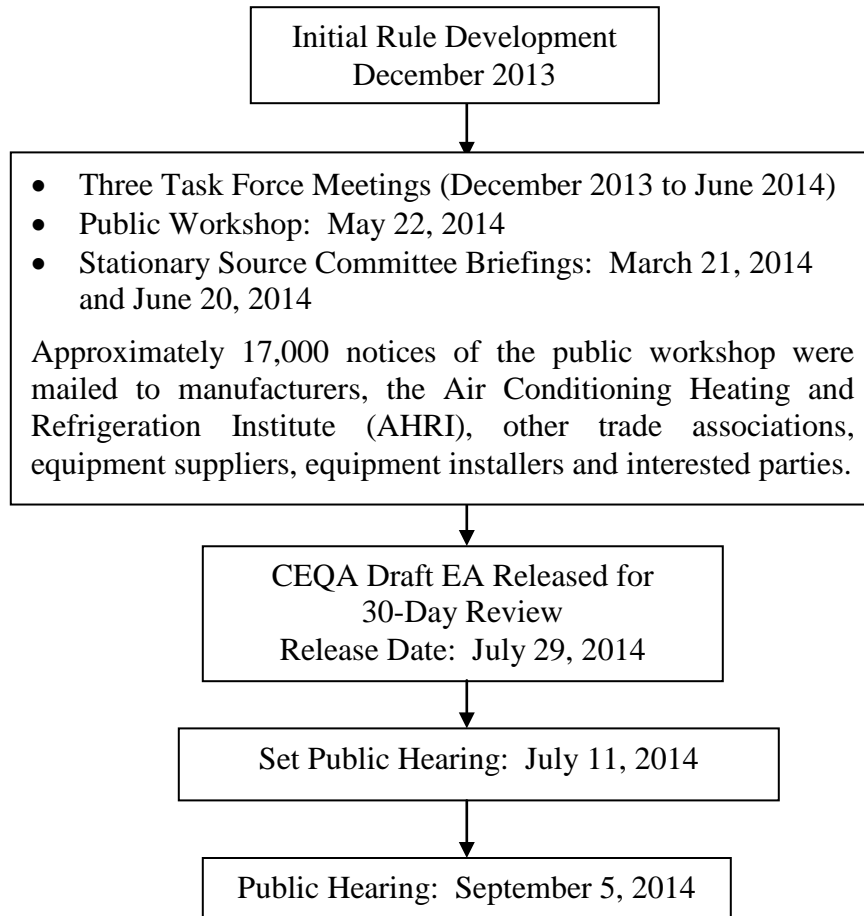
Response: *The mitigation fee is based both on the high end of the range of expected cost to producing compliant furnaces and provides sufficient funds to pay for emission reduction projects over the lifetime of a furnace.*

The mitigation fee compliance option has been changed so that mitigation fees are paid at the end of a mitigation fee alternate compliance period.

ATTACHMENT C

RULE DEVELOPMENT PROCESS

Proposed Amended Rule 1111 – Reduction of NO_x Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces



Ten (10) months spent in rule development.

ATTACHMENT D
KEY CONTACTS LIST

Air Conditioning, Heating and Refrigeration Institute (AHRI)
Beckett Gas
Carrier/ICP
Goodman
GTI
Ingersoll Rand/Trane
Lennox
Nordyne
Rheem
SEMPRA/The Gas Company

ATTACHMENT E

RESOLUTION NO. 2014 -

A Resolution of the South Coast Air Quality Management District (SCAQMD) Governing Board amending Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces.

A Resolution of the SCAQMD Governing Board certifying the Final Environmental Assessment for Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces.

WHEREAS, the SCAQMD Governing Board has determined with certainty that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, is a “project” pursuant to the California Environmental Quality Act (CEQA); and

WHEREAS, the SCAQMD has had its regulatory program certified pursuant to Public Resources Code § 21080.5 and has conducted CEQA review and analysis pursuant to such program (SCAQMD Rule 110); and

WHEREAS, SCAQMD staff has prepared a Draft Environmental Assessment (EA) pursuant to its certified regulatory program and pursuant to CEQA Guidelines §15252, setting forth the potential environmental consequences of Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces; and

WHEREAS, the Draft EA was circulated for 30-day public review and comment period from July 29, 2014 to August 27, 2014; and

WHEREAS, WHEREAS, no comment letters were received relative to the analysis presented in the Draft EA and the Draft EA has been revised such that it is now a Final EA; and

WHEREAS, it is necessary that the adequacy of the Final EA, including responses to comments, be determined by the SCAQMD Governing Board prior to its certification; and

WHEREAS, the SCAQMD is not required to prepare Findings, a Statement of Overriding Considerations, or a Mitigation Monitoring Plan because the proposed project is not expected to generate significant adverse environmental impacts; and

WHEREAS, the SCAQMD Governing Board voting on Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces has reviewed and considered the Final EA prior to its certification; and

WHEREAS, the SCAQMD Governing Board finds and determines, taking into consideration the factors in § (d)(4)(D) of the Governing Board Procedures (to be codified as Section 30.5(4)(D) of the Administrative Code), that the modifications which have been made to Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, since notice of public hearing was published do not significantly change the meaning of the proposed project within the meaning of Health and Safety Code § 40726 and would not constitute significant new information requiring recirculation of the Draft CEQA document pursuant to CEQA Guidelines § 15073.5; and

WHEREAS, California Health and Safety Code § 40727 requires that prior to adopting, amending or repealing a rule or regulation, the SCAQMD Governing Board shall make findings of necessity, authority, clarity, consistency, non-duplication, and reference based on relevant information presented at the public hearing and in the staff report; and

WHEREAS, the SCAQMD Governing Board obtains its authority to adopt, amend, or repeal rules and regulations from §§ 39002, 40000, 40001, 40440, 40441, 40702, 40725 through 40728, 41508, and 41700 of the California Health and Safety Code; and

WHEREAS, the SCAQMD Governing Board has determined that there is a problem that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces will help alleviate by delaying the NOx emission limit compliance date and providing an alternate compliance option; and

WHEREAS, the SCAQMD Governing Board has determined that a need exists to amend Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces to delay the NOx emission limit compliance dates and provide an alternate compliance option; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, as proposed is written or displayed so that its meaning can be easily understood by the persons directly affected by it; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired,

Fan-Type Central Furnaces, as proposed is in harmony with, and not in conflict with or contradictory to, existing federal or state statutes, court decisions, or regulations; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, as proposed does not impose the same requirements as any existing state or federal regulation and the proposed rule is necessary and proper to execute the powers and duties granted to, and imposed upon, the District; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, as proposed, references the following statutes which the SCAQMD hereby implements, interprets or makes specific: Health and Safety Code 40001(a) (rules to meet air quality standards); 40440(a) (rules to carry out the plan); 40702 (adoption of rules and regulations); and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces does not make an existing emission limit or standard more stringent, and therefore the requirements of Health and Safety Code § 40727.2 are satisfied; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces will not result in increased costs; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces will not result in emission reductions, and therefore no incremental cost analysis is required under Health and Safety Code § 40920.6; and

WHEREAS, manufacturers of heating furnaces regulated by Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces may distribute and sell into the SCAQMD less or more than the number of furnaces estimated pursuant to each one year mitigation fee alternate compliance plan; and

WHEREAS, heating furnaces regulated by Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces may be used for more than twenty years; and

WHEREAS, a public hearing has been properly noticed in accordance with the provisions of Health and Safety Code § 40725; and

WHEREAS, the SCAQMD Governing Board has held a public hearing in accordance with all provisions of law; and

WHEREAS, the SCAQMD Governing Board specifies the Manager of Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces as the custodian of the documents or other materials which constitute the record of proceedings upon which the adoption of this proposed project is based, which are located at the South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, California; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, should be adopted for the reasons contained in the Final Staff Report; and

NOW, THEREFORE, BE IT RESOLVED, that the SCAQMD Governing Board does hereby certify that the Final EA for Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, including responses to comments, was completed in compliance with CEQA and Rule 110 provisions; and that the Final EA was presented to the Governing Board, whose members reviewed, considered and approved the information therein prior to acting on PAR1111; and

BE IT FURTHER RESOLVED, that because no significant adverse environmental impacts were identified as a result of implementing Proposed Amended Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, Findings, a Statement of Overriding Considerations, and a Mitigation Monitoring Plan are not required; and

BE IT FURTHER RESOLVED, that the South Coast Air Quality Management District Board directs the Executive Officer to fund NOx emission reduction projects or series of projects that will offset and mitigate the more than 20 years of excess emissions from sale of non-compliant heating furnaces under Rule 1111 mitigation fee alternate compliance plans using Fund 27 – Air Quality Investment Fund; and

BE IT FURTHER RESOLVED, that the South Coast Air Quality Management District Board directs the Executive Officer to recognize upon receipt mitigation fees paid by heating furnace manufacturers into Fund 27 (Air Quality Investment Fund) in order to reimburse Fund 27 for amounts used for projects to mitigate excess emissions from sale of non-compliant furnaces pursuant to Proposed Amended Rule 1111 (c)(5); and

BE IT FURTHER RESOLVED, that the South Coast Air Quality Management District Board requests that Proposed Amended Rule 1111 be submitted into the State Implementation Plan; and

BE IT FURTHER RESOLVED, that the Executive Officer is hereby directed to forward a copy of this Resolution and Proposed Amended Rule 1111 to the California Air Resources Board for approval and subsequent submittal to the U.S. Environmental Protection Agency for inclusion into the State Implementation Plan; and

BE IT FURTHER RESOLVED, that the SCAQMD Governing Board does hereby adopt, pursuant to the authority granted by law, Rule 1111 - Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces, as set forth in the attached and incorporated herein by reference.

Dated: _____

Clerk of the Board

ATTACHMENT F

(Adopted December 1, 1978)(Amended July 8, 1983)(Amended November 6, 2009)

(Draft — August 6, 2014 date of adoption)

PROPOSED AMENDED RULE 1111. — REDUCTION OF NO_x EMISSIONS FROM NATURAL-GAS-FIRED, FAN- TYPE CENTRAL FURNACES

(a) Purpose and Applicability

The purpose of this rule is to reduce NO_x emissions from natural gas-fired, fan-type central furnaces, as defined in this rule. This rule applies to manufacturers, distributors, sellers and installers of residential and commercial fan-type central furnaces, requiring either single-phase or three-phase electric supply, used for comfort heating with a rated heat input capacity of less than 175,000 BTU per hour, or, for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.

(b) Definitions

- (1) ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE) is defined in Section 10.1 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N.
- (2) BTU means British thermal unit or units.
- (3) CONDENSING FURNACE means a high-efficiency furnace that uses a second heat exchanger to extract the latent heat in the flue gas by cooling the combustion gasses to near ambient temperature so that water vapor condenses in the heat exchanger, is collected and drained.
- (4) FAN TYPE CENTRAL FURNACE is a self-contained space heater providing for circulation of heated air at pressures other than atmospheric through ducts more than 10 inches in length that have:
 - (A) a RATED HEAT INPUT CAPACITY of less than 175,000 BTU per hour; or
 - (B) for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.
- (5) HEAT INPUT means the higher heating value of the fuel to the furnace measured as BTU per hour.

- (6) NO_x EMISSIONS means the sum of nitrogen oxide and nitrogen dioxide (oxides of nitrogen) in the flue gas, collectively expressed as nitrogen dioxide.
 - (7) RATED HEAT INPUT CAPACITY means the gross HEAT INPUT of the combustion device.
 - (8) RESPONSIBLE OFFICIAL means:
 - (A) For a corporation: a president or vice-president of the corporation in charge of a principal business function or a duly authorized person who performs similar policy-making functions for the corporation, or
 - (B) For a partnership or sole proprietorship: general partner or proprietor, respectively.
 - (9) SINGLE FIRING RATE means the burners and control system are designed to operate at only one fuel input rate and the control system cycles burners between the maximum heat output and no heat output.
 - (10) USEFUL HEAT DELIVERED TO THE HEATED SPACE is the AFUE (expressed as a fraction) multiplied by the heat input.
 - (11) VARIABLE FIRING RATE means the burners and control system are designed to operate at more than one fuel input rate and the control system cycles burners between two or more heat output rates and no heat output.
 - (12) WEATHERIZED means designed for installation outside of a building, equipped with a protective jacket and integral venting, and labeled for outdoor installation.
- (c) Requirements
- (1) A manufacturer shall not, after January 1, 1984, manufacture or supply for sale or use in the South Coast Air Quality Management District natural-gas-fired, fan-type central furnaces, unless such furnaces meet the requirements of paragraph (c)(3).
 - (2) A person shall not, after April 2, 1984, sell or offer for sale within the South Coast Air Quality Management District natural-gas-fired, fan-type central furnaces unless such furnaces meet the requirements of paragraph (c)(3).
 - (3) Natural-gas-fired, fan-type central furnaces shall:

- (A) not emit more than 40 nanograms of oxides of nitrogen (calculated as NO₂) per joule of useful heat delivered to the heated space; and
 - (B) be certified in accordance with subdivision (d) of this rule.
- (4) On or after October 1, 2012, a person shall not manufacture, supply, sell, offer for sale, or install, for use in the South Coast Air Quality Management District, natural-gas-fired, fan-type central furnaces subject to this rule, unless such furnace complies with the applicable emission limit and compliance date set forth in Table 1 and is certified in accordance with subdivision (d) of this rule.

Table 1 – Furnace NOx Limits and Compliance Schedule

Compliance Date	Equipment Category	NOx Emission Limit (nanograms/Joule *)
October 1, 2012	Mobile Home Furnace	40
October <u>April 1, 2014</u> 2015	Condensing Furnace	14
October 1, 2015	Non-condensing Furnace	14
October 1, 2016	Weatherized Furnace	14
October 1, 2018	Mobile Home Furnace	14

* Nanograms of oxides of nitrogen (calculated as NO₂) per joule of useful heat delivered to the heated space

- (5) Any manufacturer of fan-type central furnaces regulated by this rule may elect to pay a per unit mitigation fee of \$200 for each condensing furnace and \$150 for each non-condensing, weatherized or mobile home furnace distributed or sold into the SCAQMD in lieu of meeting the 14 nanogram/Joule NOx emission limit in Table 1 of paragraph (c)(4) of this rule. A manufacturer may elect to pay the per unit mitigation fee for a time period of no more than 36 months after the applicable compliance date in Table 1 of paragraph (c)(4). A manufacturer shall submit an alternate compliance plan for each 12 month time period after the applicable compliance date during which the manufacturer elects to pay the mitigation fee in lieu of meeting the NOx emission limit.
- (A) Any manufacturer electing to comply using this mitigation fee option shall submit to the SCAQMD an alternate compliance plan no later than 60 days prior to the applicable compliance date that includes the following:

- (i) a letter with the name of the manufacturer requesting the mitigation fee compliance option signed by a responsible official identifying the category of fan-type central furnaces and the 12 month alternate compliance period that the mitigation fees cover;
- (ii) an estimate of the quantity of applicable Rule 1111 fan-type central furnaces to be distributed or sold into the SCAQMD during the alternate compliance period, which estimate shall be based on total distribution and sales records or invoices of condensing, non-condensing, weatherized or mobile home fan-type central furnaces that were distributed or sold into the SCAQMD during the 12 month period of July 1 to June 30 prior to the applicable compliance date, along with supporting documentation;
- (iii) a completed SCAQMD Form 400A with company name, identification that application is for an alternate compliance plan (section 7 of form), identification that the request is for the Rule 1111 mitigation fee compliance option (section 9 of form), and signature of the responsible official;
- (iv) a check for payment of the alternate compliance plan filing fee (Rule 306, section (c)), ~~and~~
- ~~(v) an additional separate check for payment of the mitigation fees for the applicable 12 month alternate compliance period.~~
- (B) The manufacturer shall submit to the Executive Officer a report signed by the responsible official for the manufacturer identifying by model number the quantity of Rule 1111 fan-type central furnaces actually distributed or sold into SCAQMD and a check for payment of mitigation fees for the applicable 12 month alternate compliance period for the quantity of applicable Rule 1111 fan-type central furnaces distributed or sold into the SCAQMD during the alternate compliance period. ~~If the actual quantity of units distributed or sold into SCAQMD exceed the quantity estimated pursuant to subparagraph (c)(5)(A)(ii), the manufacturer shall submit, along with the report, payment of mitigations fees for each such additional unit in excess of the~~

~~estimated quantity. If the actual quantity of units distributed or sold into SCAQMD are less than the estimated quantity pursuant to subparagraph (c)(5)(A)(ii), the manufacturer may submit, along with the report, a request for reimbursement of mitigation fees paid for each additional unit in excess of the actual quantity distributed or sold into SCAQMD. The report, and the payment of additional mitigation fees, and the request for reimbursement must be submitted to the SCAQMD no later than thirty (30) days after the end of each 12-month mitigation fee alternate compliance period.~~

(d) Certification

- (1) The manufacturer shall have each appliance model tested in accordance with the following:
 - (A) Oxides of nitrogen measurements, test equipment, and other required test procedures shall be in accordance with AQMD Method 100.1.
 - (B) Operation of the furnace shall be in accordance with the procedures specified in Section 4.0 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N.
- (2) One of the two formulas shown below shall be used to determine the nanograms of oxides of nitrogen per joule of useful heat delivered to the heated space:

$$N = \frac{4.566 \times 10^4 \times P \times U}{H \times C \times E}$$

$$N = \frac{3.655 \times 10^{10} \times P}{(20.9 - Y) \times Z \times E}$$

Where:

N = nanograms of emitted oxides of nitrogen per joule of useful heat.

P = concentration (ppm volume) of oxides of nitrogen in flue gas as tested.

U = volume percent CO₂ in water-free flue gas for stoichiometric combustion.

H = gross heating value of fuel, BTU/cu.ft. (60°F, 30-in. Hg).

C = measured volume percent of CO₂ in water-free flue gas, assuming complete combustion and no CO present.

E = AFUE, percent (calculated using Table 2).

Y = volume percent of O₂ in flue gas.

Z = heating value of gas, joules/cu. meter (0.0°C, 1 ATM).

- (3) At least 120 days prior to the date a furnace model is first shipped to a location in the AQMD for use in the District, the manufacturer shall submit to the Executive Officer the following:
- (A) A statement that the model is in compliance with subdivision (c). (The statement shall be signed by a responsible official and dated, and shall attest to the accuracy of all statements.)
 - (B) General Information
 - (i) Name and address of manufacturer.
 - (ii) Brand name.
 - (iii) Model number, as it appears on the furnace rating plate.
 - (C) A description of the furnace and specifications for each model being certified.
 - (D) Executive Officer approved emission test protocol and emission test results verifying compliance with the applicable NO_x limit specified in Table 1.

(e) Identification of Compliant Units

- (1) The manufacturer of the furnace complying with subdivisions (c) and (d) shall display the following on the shipping container label and rating plate of the furnace:
- (A) Model number;
 - (B) Heat input capacity;
 - (C) Applicable NO_x emission limit in Table 1; and
 - (D) Date of manufacture or date code.
- (2) Any non-certified furnace shipped to a location in the South Coast Air Quality Management District for distribution or sale outside of the District shall have a label on the shipping container identifying the furnace as not certified for use in the District.

(f) Enforcement

The Executive Officer may periodically conduct such tests as are deemed necessary to ensure compliance with subdivision (c), (d), (e) and (h).

(g) Exemptions

- (1) The provisions of this rule shall not apply to furnaces installed in mobile homes before October 1, 2012.
- (2) For furnaces manufactured, purchased and delivered to the South Coast Air Quality Management District prior to the applicable compliance date in Table 1, any person may, until 300 days after the applicable compliance date, sell, offer for sale, or install such a furnace in the District, so long as the furnace meets the requirements of paragraph (c)(3) and subdivisions (d) and (e).

(h) Rebate Incentives for Early Compliance

Any manufacturer of natural gas-fired, fan-type central furnaces subject to this rule that distributes and sells into the District furnaces that comply with the 14 nanograms/Joule emission limit 90 days prior to the applicable compliance date in Table 1 of paragraph (c)(4) may submit a compliance plan for early compliance to the Executive Officer and to receive on a first-come first-served basis from the AQMD a rebate payment of \$75 for each 14 nanograms/Joule certified furnace and \$90 for each high efficiency 14 nanograms/Joule certified furnace with AFUE of 90% or greater distributed and sold into the District, provided funds are available on the date documentation on the number of units distributed and sold is submitted to the AQMD. Total rebate payments to all manufacturers shall not exceed \$3,000,000.

(i) Technology Assessment

On or before April 1, 2013, the Executive Officer shall conduct a technology assessment and shall report to the Governing Board on the status of manufacturers' progress towards compliance with the 14 nanograms/Joule emission limit for nitrogen oxides.

ATTACHMENT G

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Staff Report

Proposed Amended Rule 1111 – Reduction of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces

September 5, 2014

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CHAPTER 1: BACKGROUND

INTRODUCTION

REGULATORY HISTORY

EQUIPMENT AND PROCESS

TECHNOLOGY ASSESSMENT

AFFECTED INDUSTRIES

PUBLIC PROCESS

INTRODUCTION

The purpose of the current Rule 1111 – Reductions of NOx Emissions From Natural-Gas-Fired, Fan-Type Central Furnaces is to reduce emissions of nitrogen oxides (NOx) from gas-fired fan-type residential space heating furnaces with heat input ratings between 50,000 and 175,000 British thermal units per hour (Btu/hr). The rule applies to manufacturers, distributors, sales outlets and installers of such furnaces. The rule also requires manufacturers to certify that each furnace model offered for sale in the SCAQMD complies with the emission limit. The rule requires emissions testing using specific test methods approved by the SCAQMD and U.S. EPA. Most single family homes, many multi-unit residences and some small commercial buildings in the SCAQMD use this type of space heating equipment.

REGULATORY HISTORY

Rule 1111 was adopted by the SCAQMD Governing Board in December 1978, addressing all sizes of space heating furnaces. The original rule required all residential and commercial space heating furnaces to meet a NOx emission limit of 40 nanograms per Joule (ng/J) of heat output (equivalent to 55 ppm at a reference level of 3% oxygen) beginning January 1, 1984. At the December 1978 rule adoption Hearing, a rule requirement that all space heating furnaces meet a 12 ng/J NOx emission limit by 1995 was considered by the Governing Board but not adopted.

Rule 1111 was amended in July 1983 in order to limit applicability to units sized for residences and exempted larger commercial space heaters. The rule amendment limited applicability to furnaces with a heat input of less than 175,000 Btu per hour, or for combination heating and cooling units, a cooling rate of less than 65,000 Btu per hour. The July 1983 amendment also exempted units manufactured for use in mobile homes (manufactured housing), revised the definition of efficiency, and clarified testing procedures.

In November 2009, Rule 1111 was amended to be consistent with the objectives of Control Measure CMB-03 of the 2007 Air Quality Management Plan (AQMP). The 2009 amendment established a new lower NOx emission limit of 14 ng/J (20 ppm at reference level of 3% oxygen) for residential furnaces, which reflects a 65% reduction from the then current limit of 40 ng/J (55 ppm).

Implementation of lower NOx emission limits from the November 2009 rule amendment began in 2012. New mobile home heating units, which were unregulated prior to the 2009 amendment, had to meet a NOx limit of 40 ng/J in 2012 with a future limit of 14 ng/J in 2018. The 40 ng/J emission limit for mobile home furnaces was based on burner and control technology used in existing residential furnaces.

All other new residential space heating furnaces were required to meet a 14 ng/J NOx limit by October 1, 2016. The 2009 amendment required the three major categories of residential furnace – condensing (high efficiency), non-condensing and weatherized – to meet the new 14 ng/J NOx limit by 2014, 2015 and 2016 respectively.

The 2009 amendment to Rule 1111 also made a number of other changes to the rule including updating references to test methods for determining compliance with rule emission limits and providing more specificity in the labeling requirements. To facilitate the depletion of existing inventories and to ensure smooth transition to the new limits, Rule 1111 also provided a temporary 10-month exemption (a sell-through period) for units manufactured before the applicable future compliance date and delivered into the SCAQMD prior to the compliance date.

At the time Rule 1111 was amended in 2009, there were no commercially available units meeting the future effective limits. In order to encourage and accelerate technology development, Rule 1111 provided an incentive for early compliance with the 14 ng/Joule NOx emission limit. Companies that deliver 14 ng/J furnaces into the SCAQMD prior to the applicable compliance date can elect to receive a payment of \$75 for each standard efficiency furnace and \$90 for each high-efficiency unit sold and delivered into the SCAQMD 90 days prior to the applicable compliance date. These manufacturer rebates would result in savings of \$150 to \$350 to consumers because of cost markups in the supply chain. This early compliance program is funded by the SCAQMD Rule 1121 Mitigation Program and provides up to \$3,000,000 for the residential furnace rebate program. As funds are limited, payments for early compliance are on a first-come first-served basis. To promote and assist the development of compliant furnaces, the resolution for the 2009 rule amendment also committed SCAQMD funding for residential furnace technology demonstration projects.

The 2009 amendment of Rule 1111 also required a technology assessment and status report to the Governing Board. This technology assessment was to evaluate both the feasibility of the new lower NOx emission limit and the rule implementation schedule. In addition, the amending resolution requires SCAQMD staff to include an analysis of a mitigation fee option that would allow manufacturers to delay compliance with the new NOx limit.

Immediately after Rule 1111 was amended in November 2009, the SCAQMD Technology Advancement Office (TAO) initiated a Request for Proposals (RFP) to develop prototype residential furnaces that meet the new 14 ng/J NOx limit in Rule 1111. The technology development projects have been completed and the prototype furnaces developed through these four projects demonstrate that the new lower Rule 1111 NOx limit is achievable in all of the types of forced air residential heating furnaces produced for the United States market.

EQUIPMENT AND PROCESS

Fan-type gas-fired furnaces heat a building by circulating air from inside the building through the furnace. In a fan-type furnace, air is heated when it passes through a heat exchanger. Combustion gases heat up the inside of the heat exchanger and building air moving past the outside of the heat exchanger removes heat from the outside surface. A blower (fan) pulls air through one or more intake ducts and pushes the air past the heat exchanger and through another set of ducts which direct the heated air to different parts of the building. The heated air circulates through the building before it is again pulled into the intake ducts and heated. This process continues until a specific temperature is detected by a thermostat in the building which

then shuts off the furnace. When the temperature at the thermostat goes below a set point, the thermostat sends a signal for the furnace to turn on.

TECHNOLOGY ASSESSMENT

Immediately after Rule 1111 was amended in November 2009, the SCAQMD Technology Advancement Office (TAO) initiated a Request for Proposals (RFP) to develop prototype residential furnaces that meet the new 14 ng/J NO_x limit in Rule 1111. A request for proposals was issued in February 2010 and TAO staff selected four bids for funding, including two furnace manufacturers, one burner manufacturer and a research institute familiar with residential furnaces. The total cost of the four projects was \$1,447,737 with \$447,737 provided by The Gas Company and \$50,000 provided by the San Joaquin Valley Unified Air Pollution Control District.

The four proposals were approved by the SCAQMD Governing Board at the June 2010 meeting. The four projects demonstrate multiple furnace types (i.e., standard efficiency, high efficiency, a range of heat outputs and variable firing rates versus on-off operation). The selected projects are summarized in the following list.

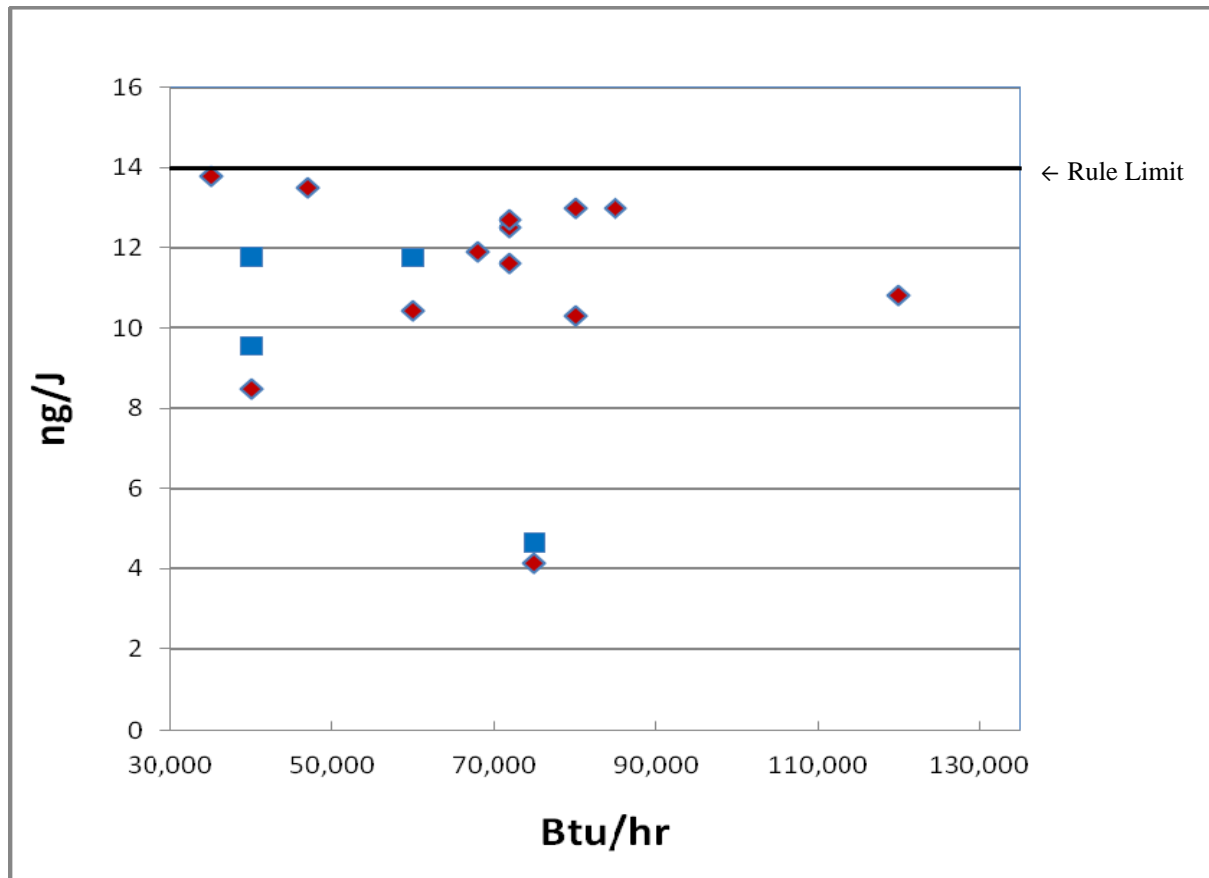
Figure 1 – Summary of Rule 1111 Technology Demonstration Projects

Project	Award Amount	Scope
Beckett Gas	\$379,386	Two furnaces: one condensing and one non-condensing
GTI	\$450,000	One furnace each for five manufacturers: Carrier, Johnson Controls, Lennox, Rheem and Thermo Products
Ingersoll Rand	\$368,261	Two furnaces: each two-stage condensing furnaces with one average and one higher heat output
Nordyne	\$250,090	Three furnaces with different firing rates: one single-stage (on/off), one two-stage (high/low/off), and one modulating (low to high and off)

Because of the confidential and proprietary nature of much of the information in the project reports, staff is not able to provide information that includes furnace and manufacturer specific details about the projects in this assessment. However, the results of the four technology demonstration projects indicate that the 14 ng/J emission limit in Rule 1111 is achievable in both standard and high efficiency furnaces (condensing furnaces) with single or variable firing

rates. With the exception of one furnace that did not pass safety testing by the end of the project, the contractors and their prototype furnaces achieved the project objectives of meeting the NOx emissions limit and passing initial safety tests.

Figure 2 – Prototype Furnace NOx Emissions (ng/J) *



* Standard and high efficiency units are identified by squares and diamonds respectively.

The prototype furnaces developed through these four projects demonstrate that the new lower Rule 1111 NOx limit is achievable in all of the types of forced air residential heating furnaces produced for the United States market. In addition, testing indicates that furnaces with the new burners developed for the projects can also meet industry safety requirements. However, there remain issues relating to product design, materials of construction, combustion control, and manufacturing that each company must resolve. Now that prototype furnaces have been developed, the next steps for each manufacturer would be to complete the product design and select materials of construction, combustion controls and manufacture of the new units. Staff also expects that the technology developed for these residential furnaces will be applicable to commercial sized furnaces that will be regulated by Proposed Rule 1111.1. Smaller commercial forced air furnaces use the same basic design as residential furnaces.

AFFECTED INDUSTRIES

Proposed Amended Rule 1111 affects manufacturers (NAICS 333) and distributors and wholesalers (NAICS 423) of residential furnaces. Because heating units regulated by the rule are used in most residential and many commercial settings for heating small buildings, construction and building contractors are also affected by PAR 1111. The Air Conditioning Heating and Refrigeration Institute (AHRI), the major manufacturer's trade organization, indicates that there are no manufacturers of fan-type gas-fired residential furnaces in the SCAQMD. However, these companies do maintain regional sales offices and distribution centers in the SCAQMD and there are manufacturers of other types of heating furnaces in the SCAQMD.

PUBLIC PROCESS

The rule development effort for PAR 1111 is part of an ongoing effort to evaluate low NOx technologies for combustion equipment. To date, SCAQMD staff has held three Rule 1111 Task Force meetings to discuss SCAQMD funded technology demonstration projects, rule implementation, feasibility of compliance dates, and mitigation fee options with representatives from affected manufacturers, trade organizations and other stakeholders. SCAQMD staff has also held numerous separate discussions with furnace and component manufacturers. In addition, a Public Workshop and CEQA Scoping meeting for PAR 1111 were held on May 22, 2014. PAR 1111 was discussed at the Stationary Source Committee on March 21, 2014 and June 20, 2014.

CHAPTER 2: SUMMARY OF PROPOSED AMENDED RULE 1111

PROPOSED AMENDMENTS TO RULE REQUIREMENTS

PROPOSED AMENDMENTS TO RULE REQUIREMENTS

SCAQMD staff has proposed to amend Rule 1111 in order to provide manufacturers additional time to produce residential furnaces that meet the NO_x emission limit of 14 ng/J. Not all manufacturers will be able to produce compliant furnaces by the compliance dates. Proposed Amended Rule 1111 will add an alternate compliance option to the rule. In lieu of meeting the new lower NO_x emission limit, PAR 1111 will provide manufacturers of residential furnaces subject to Rule 1111 an option to pay a per unit mitigation fee of \$200 for each condensing furnace and \$150 for each non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD.

In addition, the proposed rule will delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. This delay will provide manufacturers additional time for testing new furnace designs and submitting and receiving approval of alternate compliance plans for non-compliant condensing furnaces.

Table 1 – Furnace NO_x Limits and Compliance Schedule

Compliance Date	Equipment Category	NO _x Emission Limit (nanograms/Joule)
October 1, 2012	Mobile Home Furnace	40
<u>April 1, 2015</u> October 1, 2014	Condensing Furnace	14
October 1, 2015	Non-condensing Furnace	14
October 1, 2016	Weatherized Furnace	14
October 1, 2018	Mobile Home Furnace	14

The mitigation fee alternate compliance option can be used for up to 36 months past the applicable compliance date in Table 1 of section (c) of the rule. However, the manufacturer must submit, 60 days prior to the applicable compliance date, a separate alternate compliance application for each 12 month alternate compliance period after the compliance date.

A manufacturer must submit with each alternate compliance application a compliance plan fee and ~~total mitigation fees based on the~~ the number of units that were distributed or sold into the SCAQMD during the 12 month time period (July 1 to June 30) prior to the applicable compliance date. At the end of each 12 month alternate compliance period the number of units distributed or sold into the SCAQMD is reconciled and the manufacturer pays fees for ~~additional the number of units distributed or sold into the SCAQMD in excess of the quantity estimated in the alternate compliance plan~~ additional for the alternate compliance period. ~~The manufacturer may also request a refund of mitigation fees paid if the number of units distributed and sold into the SCAQMD is less than the quantity of units estimated for the alternate compliance period.~~

Emission reductions funded through the mitigation fee alternative compliance option can be achieved through a variety of projects including but not limited to replacement of commercial leaf blowers with low emission or electric units, replacement of gas powered lawnmowers with electric mowers, automobile scrapping, co-funding with Carl Moyer or similar programs or purchasing of emission reduction credits or mobile source emission reduction credits for the relevant time period.

Of the potential projects for achieving emission reductions, SCAQMD staff is proposing to use Rule 1111 alternate compliance mitigation fees to fund replacement of gasoline-powered commercial leaf blowers and lawn mowers with low emission or electric units or any other projects with equivalent or better emission reduction potential. The leaf blower and lawn mower exchange programs in the SCAQMD has been very successful and can achieve the necessary emission reductions. In previous years, SCAQMD has exchanged 1,500 leaf blowers per year and the demand for low emission leaf blowers is much greater. Staff estimates that the maximum number of non-compliant furnaces that would be sold pursuant to the mitigation fee compliance option is 45,000 units in 2016. For illustration purposes, in order to mitigate the sale of this number of non-compliant furnaces, the SCAQMD would have to exchange about 8,000 low emission leaf blowers every 5 years for 20 years. Staff has calculated that the expected mitigation fees received will be sufficient to fund the exchange of this number of leaf blowers and that there is sufficient demand to support the exchange.

CHAPTER 3: IMPACT ASSESSMENT

IMPACT ANALYSIS

COST EFFECTIVENESS

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) ANALYSIS

SOCIOECONOMIC ASSESSMENT

~~**DRAFT FINDINGS UNDER CALIFORNIA HEALTH AND SAFETY
-CODE SECTION 40727**~~

INCREMENTAL COST-EFFECTIVENESS

COMPARATIVE ANALYSIS

IMPACT ANALYSIS

According to the Air Conditioning Heating and Refrigeration Institute (AHRI), the manufacturer's trade organization, there are currently no facilities manufacturing fan-type gas-fired residential furnaces in the SCAQMD. However, affected companies do maintain regional sales offices and distribution centers in the SCAQMD and these offices and centers will have to assure that only compliant or mitigation plan units are sold for installation in the SCAQMD.

Annual average NO_x emissions from residential heating using natural gas were estimated in the 2007 Air Quality Management Plan at 9.7 tons per day in 2002 and 11.1 tons/days in 2023. As most NO_x emissions occur between October and May, daily emissions in these months are significantly higher.

Based on sales estimates for condensing (high efficiency) furnaces in southern California, PAR 1111 will result in emission reductions forgone of up to 46 pounds per day during the period from October 1, 2014 until April 1, 2015. These foregone emission reductions, from the sale and installation of non-compliant condensing furnaces during those six months cannot be completely mitigated because the mitigation program will not be in effect until sometime between January 1 and April 1, 2015. However, the mitigation program will be able to offset emission reductions forgone for the remainder of the lifetime of these furnaces once mitigation fees are received during the last calendar quarter of 2014 and the first quarter of 2015. The six month delay of the compliance date will also provide additional time for manufacturers to receive incentive funds for early introduction of compliant furnaces.

The PR 1111 mitigation fee will be used to fund existing SCAQMD programs including the clean leaf-blower and lawn mower exchange programs and Carl Moyer and similar programs. These programs can fully mitigate the potential emission reductions forgone. For example, the cost of a low emission leaf blower is about \$180. Each leaf blower purchased and exchanged for an old leaf blower by the SCAQMD will reduce more than six times the annual NO_x emission reductions forgone due to the purchase of one non-compliant furnace. Five low emission leaf blowers replaced every five years over 25 years will mitigate the emissions reductions foregone by the sale of at least 6 non-compliant furnaces.

COST EFFECTIVENESS

The proposed amendment does not impose additional requirements on manufacturers of residential furnaces. The proposed amendment provides an alternate compliance option and delays a compliance date, which is expected to provide regulatory relief for the affected manufacturers and allows additional time to qualify for incentive funds.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA) ANALYSIS

Pursuant to the California Environmental Quality Act (CEQA) and SCAQMD Rule 110, the appropriate CEQA documentation has been prepared to analyze any potential adverse environmental impacts associated with PAR 1111. The Draft Environmental Assessment (EA)

was released for a 30-day public review and comment period from July 29 through August 27, 2014. No comment letters were received from the public regarding the Draft EA. The environmental analysis in the Draft EA concluded that proposed amended Rule 1111 would not generate any significant adverse environmental impacts. The Final EA is available at SCAQMD Headquarters, by calling the SCAQMD Public Information Center at (909) 396-3600, or by accessing SCAQMD's CEQA website at: <http://www.aqmd.gov/home/library/documents-support-material/lead-agency-scaqmd-projects/aqmd-projects---year-2014>. The CEQA document has been released for public review and comment, and is available at SCAQMD Headquarters, by calling the SCAQMD Public Information Center at (909) 396-3600, or by accessing SCAQMD's CEQA website at: www.aqmd.gov/ceqa.

SOCIOECONOMIC ASSESSMENT

Proposed Amended Rule 1111 will allow affected manufacturers to pay a mitigation fee of \$150 to \$200 per unit in lieu of complying with the new NOx emission limit. The option to pay a mitigation fee was requested by manufacturers and participation is strictly voluntary. This mitigation fee is equivalent to the additional cost of a new compliant furnace and will provide manufacturers an alternative to producing furnaces that comply with the new emission limit. As such, PAR 1111 does not impose additional costs on the affected manufacturers beyond what was analyzed for the previous Rule 1111 amendment in 2009 and does not have additional adverse socioeconomic impacts.

~~DRAFT FINDINGS UNDER CALIFORNIA HEALTH AND SAFETY —CODE SECTION 40727~~

~~California Health and Safety Code Section 40727 requires that prior to adopting, amending or repealing a rule or regulation, the SCAQMD Governing Board shall make findings of necessity, authority, clarity, consistency, non-duplication, and reference based on relevant information presented at the public hearing and in the staff report. In order to determine compliance with Sections 40727, 40727.2 require a written analysis comparing the proposed amended rule with existing regulations.~~

The following provides the draft findings.

~~Necessity:~~ ~~A need exists to amend Rule 1111 to provide residential furnace manufacturers additional time to develop the technology to meet the NOx emission limit.~~

~~Authority:~~ ~~The SCAQMD obtains its authority to adopt, amend, or repeal rules and regulations from California Health and Safety Code Sections 39002, 40000, 40001, 40440, 40702, 40725 through 40728, and 41508.~~

~~Clarity:~~ ~~PAR 1111 has been written or displayed so that its meaning can be easily understood by the persons affected by the rule.~~

~~Consistency:~~ ~~PAR 1111 is in harmony with, and not in conflict with or contradictory to, existing federal or state statutes, court decisions or federal regulations.~~

~~**Non-Duplication:** PAR 1111 does not impose the same requirement as any existing state or federal regulation, and is necessary and proper to execute the powers and duties granted to, and imposed upon the SCAQMD.~~

~~**Reference:** In amending this rule, the following statutes which the SCAQMD hereby implements, interprets or makes specific are referenced: Health and Safety Code sections 40440(a).~~

INCREMENTAL COST-EFFECTIVENESS

Health and Safety Code Section 40920.6 requires an incremental cost-effectiveness analysis for Best Available Retrofit Control Technology (BARCT) rules or emission reduction strategies when there is more than one control option that would achieve different levels of emission reductions, relative to ozone, CO, SO_x, NO_x, and their precursors.

Because this rule amendment provides furnace manufacturers with an alternate compliance option to provide regulatory relief and does not impose a new BARCT limit, a typical incremental cost-effectiveness analysis is not applicable for this proposed amendment.

COMPARATIVE ANALYSIS

Under Health and Safety Code Section 40727.2, the SCAQMD is required to perform a comparative written analysis when adopting, amending, or repealing a rule or regulation. The comparative analysis is relative to existing federal or state requirements, existing or proposed SCAQMD rules and air pollution control requirements and guidelines that are applicable to industrial, institutional, and commercial combustion equipment.

The SCAQMD is not aware of any state or federal requirements regulating air pollution that are applicable to new or in-use PAR 1111 units. Rule 1111 is also the only SCAQMD rule regulating this type of equipment. Because there are no state or federal requirements for PAR 1111 units, the proposed amendments are not in conflict with and do not duplicate any SCAQMD, state or federal requirement.

REFERENCES

REFERENCES

CEC, 2004. *California Statewide Residential Appliance Saturation Study (400-04-009)*. California Energy Commission, June 2004.

DOE. 2007. *Technical Support Document: Energy Efficiency Program for Consumer Products: Energy Conservation Standards for Residential Furnaces and Boilers*. U.S. Department of Energy, September 2007.

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SCAQMD, 2013. *Status of Rule 1111 Technology Assessment and Demonstration Projects for Residential Furnaces*. South Coast Air Quality Management District, March 2013.

SCAQMD, 2014. *Rule 1111 Technology Assessment for Residential Furnaces*. South Coast Air Quality Management District, January 2014.

RESPONSE TO COMMENTS

RESPONSE TO COMMENTS

Comment: Because Rule 1111 is an approved rule in the state implementation plan (SIP), the proposed amendment could interfere with demonstration of attainment or reasonable further progress under section 110(l) of the federal Clean Air Act (CAA) or other provisions of the CAA. In addition, PAR 1111 may undermine the rules enforceability and preclude reliance on it for SIP emission reduction credit in accordance with USEPA policy on economic incentive programs (EIPs) and other nontraditional emission reduction measures. USEPA approval of PAR 1111 depends upon demonstration that its provisions, including fee provisions, result in emission reductions that are surplus, quantifiable, enforceable, permanent and consistent with all applicable CAA requirements.

Response: The SCAQMD 2007 and 2012 Air Quality Management Plan SIPs set aside sufficient NOx emissions reductions to offset potential emission reduction shortfalls resulting from delays in implementing technology forcing rules. Therefore, the potential SIP reductions foregone/delayed are addressed- via the SIP set aside, not incentive programs.

Comment: Why is the mitigation option for three years?

Response: The mitigation option is for one to three years. The three year mitigation option was requested by stakeholders.

Comment: Why is the compliance date for condensing (high efficiency) furnaces delayed three months from October 1, 2014 to January 1, 2015?

Response: In the preliminary draft rule presented at the Public Workshop, the compliance date was delayed in order to provide manufacturers time to prepare and submit mitigation fee compliance plans. The current proposal delays the compliance date until April 1, 2015 because of comments received at the Public Workshop.

Comment: All compliance dates should be delayed at least one year. Manufacturers need additional time for material selection, product design, preparing new manufacturing lines and furnace durability and safety testing.

Response: Proposed Amended Rule (PAR) 1111 will provide all manufacturers at least six months of delay to provide additional time for condensing furnace product development and testing, as well as for training of distributors and installers. Moreover, PAR 1111 will allow up to three additional years of delay for any category of furnace for all manufacturers through a mitigation fee alternate compliance plan which was requested by industry. This proposed alternative compliance option is expected to achieve equivalent NOx emission reductions to current rule requirements due to implementation of emission reduction projects to be funded by mitigation fee alternate compliance plans.

Comment: The proposed compliance date for condensing furnaces, January 1, 2015, is in the middle of the heating season. That is not a good date to transition from existing to new models of furnaces. Our distributors and installers must be educated about the new furnaces and this will require training and establishment of tracking systems by distributors.

Response: In response to manufacturers' request, SCAQMD staff has further delayed the compliance date for condensing furnaces until April 1, 2015.

Comment: What is the basis of the mitigation fee?

Response: The mitigation fee is based ~~both on the cost of purchasing emission reductions to mitigate the sale of non-compliant furnaces and on the expected cost of producing compliant furnaces.~~ Assuming the mitigation fees are used in the SCAQMD low emission leaf blower program, the cost of one leaf blower is about \$180 and will offset the emissions of about 5 furnaces for at least 5 years. ~~Four to five low emission leaf blowers will have to be purchased over the lifetime of a furnace to fully mitigate emissions of a furnace with emissions at 40 ng/J.~~

Comment: The mitigation fee should be paid after non-compliant units are sold and not before.

Response: The proposed rule has been changed so that mitigation fees are paid at the end of an alternate compliance period. ~~The mitigation fee compliance option is designed to fund emission reduction projects to offset the sale of non-compliant furnaces. If the mitigation fees are paid at the end of a quarter or year, then there is a significant delay in funding projects with emission reductions. When fees are paid in advance, significant air quality impacts can be mitigated.~~

Comment: The mitigation fee is too high. The fee is higher than the cost difference between compliant and non-compliant units.

Response: The mitigation fee is based ~~both on the cost of purchasing emission reductions to mitigate the sale of non-compliant furnaces and on the high end of the range of expected cost to producing compliant furnaces.~~ The main reason for the proposed fee levels is that these amounts are necessary in order to fund enough emission reductions to mitigate the sale of non-compliant furnaces.

Comment: Condensing (high efficiency) units pollute less because they use less natural gas and should not have a higher fee.

Response: The mitigation fee for condensing and standard efficiency furnaces are both approximately the same cost as one low emission leaf blower (~ \$180) and more than four leaf blowers must be purchased to mitigate the emissions of one furnace over its lifetime. Each leaf blower can mitigate the emissions of five furnaces for at least five years.

While condensing furnaces emit less green-house gases than standard units, condensing units do not emit less NOx than standard units. Note that the emission limit for both condensing and standard units is in ng/J of heat to the heated space (net useful heat). It is not based on the gross amount of heat generated (amount of gas used). The average of emission test results for current condensing and standard units are the same. In addition, condensing units do not emit less NOx than standard units on a mass basis. In fact, the form of the rule emission limit allows condensing units to emit NOx at higher concentrations (PPM) than standard units.

Comment: Manufacturers should have the option to apply for less than one full year of sales. Manufacturers should also be able to reconcile their sales at the end of the mitigation fee period and pay additional fees if needed and receive a refund if they have paid for more units than they have sold.

Response: In lieu of a yearlong mitigation plan in the first year the new emission standard is in effect for any type of furnace, a manufacturer may use the sell through period for up to 10

months. In addition, the mitigation program allows manufacturers to apply for a one year alternate compliance plan for up to 3 successive years regardless of the timing of the compliance date (April or October). A compliance plan for less than one year will also be difficult to enforce. A one year mitigation plan coupled with the 10 month sell through provision provides companies manufacturers with flexibility. The proposed PAR 1111 mitigation alternative and fee payment system was revised by staff to allow manufacturers to pay mitigation fees at the end of each alternate compliance period~~reconcile their sales at the end of the mitigation fee period and pay additional fees or receive a refund of excess fees paid.~~ The mitigation fee program is designed so that all manufacturers are subject to the same requirements if they choose that option.

Comment: The cost of a new furnaces or an existing furnace with a mitigation fee may cause homeowners to delay the purchase of a new furnace when an old furnace needs repair. This will result in fewer NOx emission reductions than projected for the current rule.

Response: This proposed amendment will not change the cost of new compliant units because there are no additional costs added to new furnaces. Thus, PAR 1111 will not result in significant emission reductions foregone relative to the current rule.

This proposed amendment will not affect homeowner's decisions regarding furnace repair versus replacement and will not affect the amount of emission reductions achieved by Rule 1111. Homeowners make decisions regarding repair or replacement of a furnace based on many factors including: the type and cost of the repair, the cost of a new unit and other components such as ducts, and the cost of air conditioning components and labor cost for a new furnace. The cost of replacing a new circuit board, exhaust motor or fan, air circulation fan and motor, or gas supply components is significantly less than replacing an entire furnace, modifying the air conditioning system, replacing some ducting and a new thermostat. Most homeowners replace furnace components when they fail. It is the least cost option. They replace whole furnaces when they remodel their house and want a new furnace or have a failure of the air conditioning system and decide to replace both the cooling and heating system at the same time.

Comment: What constitutes a sale or delivery into the District?

Response: The first sale or delivery to any party in the SCAQMD whether it is a distributor, developer, contractor or homeowner.

Comment: Can non-compliant units be stored in the SCAQMD when the manufacturer provides compliant units for sale for use in the SCAQMD?

Response: The current rule and proposed amendment allows manufacturers to store non-compliant units in the SCAQMD. The manufacturer and distributor must have in place a system to identify and track non-compliant units that are intended to be sold outside the boundaries of the SCAQMD. For SCAQMD Rule 1121, this is accomplished using an additional label on the product and the shipping carton to identify non-compliant units that cannot be sold or installed for use in the SCAQMD.

Comment: Can non-compliant units, intended for sale outside the SCAQMD, be stored in the SCAQMD without paying the mitigation fee if a manufacturer is participating in the mitigation fee program?

Response: The proposed rule would allow units intended for sale outside the SCAQMD to be exempt from the mitigation fee. However, to avoid paying a mitigation fee for all units shipped to the SCAQMD, the manufacturer and distributor must have in place and implement a plan to clearly identify all units. The manufacturer and distributor must place labels on each unit and the outside of each unit's shipping container identifying those units that may be sold into the SCAQMD pursuant to the 10 month sell through period in the rule, those units stored for sale outside the SCAQMD, and those units sold pursuant to a mitigation fee alternate compliance plan. In addition, the manufacturer and distributor must have in place a system to identify the date each unit was shipped to the distribution center in the SCAQMD, the date each unit arrived at the distribution center, the dates each unit was sold and shipped out of the distribution center, the address where each unit was shipped to (for units sold into and out of the SCAQMD) and the person or business who purchased each unit.

Comment: Is the mitigation fee for the first compliance date based on all sales into the SCAQMD or only the sale of condensing (high efficiency units)?

Response: A mitigation plan application is only for the sale of the type of units and year for which the manufacturer is applying. For example, a mitigation fee plan for condensing furnaces is based only on the prior sales of condensing furnaces into the SCAQMD. In order to sell non-compliant units in the SCAQMD, each year of each type of furnace will require a separate mitigation plan submittal with a separate check for the mitigation plan application and for the actual mitigation fees.

Comment: How does a company apply for the rebate incentives for early compliance?

Response: The application process is similar to the process for the mitigation fee compliance plan.

The manufacturer will send a letter to SCAQMD Permit Services with the name of the manufacturer submitting the Rule 1111 rebate incentive early compliance plan signed by a responsible official identifying the type of compliance plan and the time period that the early compliance plan covers. All applications must be for time periods early than 90 days prior to the applicable compliance date.

The submittal will include a completed SCAQMD Form 400A with company name, identification that application is for an alternate compliance plan (section 7 of form), identification that the request is for the Rule 1111 rebate incentive early compliance application (section 9 of form), and signature of the responsible official.

The application must include documentation for all rule compliant units distributed or sold into the SCAQMD for the time period covered by the application including the number of each specific model sold or distributed by the manufacturer to each company or person in the SCAQMD, a copy of each company or person's invoice purchasing the compliance furnaces and a copy of the certification letter from the SCAQMD for each specific model included in the manufacturer's application that identifies the model as compliant with the 14 ng/J NO_x emission limit. A copy of the letter and the complete application will also be sent to the SCAQMD Manager for Area Source Compliance.

Comment: Does a company need to test furnaces that are designed to run on natural gas but are sold with a propane conversion kit?

Response: Units that are designed to run on natural gas must be tested, comply with the emission limit and receive SCAQMD certification. Units that are designed to run only on propane are exempt from the rule. Units that can be converted from natural gas to propane must receive SCAQMD certification on natural gas in order to be sold for use in the SCAQMD. All furnaces are tested based on how they are manufactured, the SCAQMD does not test units installed in residences.

Comment: Who can do certification testing of furnaces?

Response: All testing must be performed by third parties using a SCAQMD approved protocol. Questions regarding testing should be directed the SCAQMD Source Testing division (909-396-3536 or 909-396-2162).

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Final Environmental Assessment:

Proposed Amended Rule 1111 – Reduction of NO_x Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces

August 2014

SCAQMD No. 140722JI

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PREFACE

This document constitutes the Final Environmental Assessment (EA) for Proposed Amended Rule 1111 – Reduction of NO_x Emissions from Natural-Gas-Fired, Fan-Type Central Furnaces. The Draft EA was released for a 30-day public review and comment period from July 29, 2014 to August 27, 2014. No comment letters were received from the public relative to the environmental analysis in the Draft EA. The environmental analysis in the Draft EA concluded that Proposed Amended Rule 1111 would not generate any significant adverse environmental impacts.

Minor modifications were made to the proposed amended rule subsequent to release of the Draft EA for public review. To facilitate identifying modifications to the document, added and/or modified text is underlined. Staff has reviewed these minor modifications and concluded that they do not make any impacts substantially worse or change any conclusions reached in the Draft EA. As a result, these minor revisions do not require recirculation of the document pursuant to CEQA Guidelines §15073.5. Therefore, this document now constitutes the Final EA for Proposed Amended Rule 1111.

CHAPTER 1 - PROJECT DESCRIPTION

Introduction

Affected Facilities

California Environmental Quality Act

Project Location

Project Objective

Project Background

Technology Overview

Project Description

INTRODUCTION

The California Legislature created the South Coast Air Quality Management District (SCAQMD) in 1977¹ as the agency responsible for developing and enforcing air pollution control rules and regulations in the South Coast Air Basin (Basin) and portions of the Salton Sea Air Basin and Mojave Desert Air Basin referred to herein as the District. By statute, the SCAQMD is required to adopt an air quality management plan (AQMP) demonstrating compliance with all federal and state ambient air quality standards for the district.² Furthermore, the SCAQMD must adopt rules and regulations that carry out the AQMP.³ The 2012 AQMP concluded that major reductions in emissions of particulate matter (PM), oxides of sulfur (SOx) and oxides of nitrogen (NOx) are necessary to attain the state and national ambient air quality standards for ozone, particulate matter with an aerodynamic diameter of 10 microns or less (PM10) and particulate matter with an aerodynamic diameter of 2.5 microns or less (PM2.5). More emphasis is placed on NOx and SOx emission reductions because they provide greater ozone and PM emission reduction benefits than volatile organic compound (VOC) emission reductions. NOx emission reductions continue to be necessary because emission reductions of ozone precursors are necessary to meet the ozone standards. NOx emission reductions also contribute to achieving the PM2.5 ambient air quality standards.

Ozone, a criteria pollutant that is formed when NOx and VOCs react in the atmosphere, has been shown to adversely affect human health. The federal one-hour⁴ and eight-hour ozone standards were exceeded in the district in 2010. The Central San Bernardino Mountain area recorded the greatest number of exceedences of the one-hour state standard (52 days), eight-hour state standard (101 days), and eight-hour federal standard (74 days). However, none of the four counties had health advisory days in 2010. Altogether, in 2010, the South Coast Air Basin exceeded the federal eight-hour ozone standard on 102 days, the state one-hour ozone standard on 79 days, and the state eight-hour ozone standard on 131 days.⁵

The California Clean Air Act (CCAA) requires districts to achieve and maintain state standards by the earliest practicable date and for extreme non-attainment areas, to include all feasible measures pursuant to Health and Safety Code §§40913, 40914, and 40920.5. The term “feasible” is defined in the Title 14 of the California Code of Regulations, §15364, as a measure “capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, legal, social, and technological factors.”

Proposed Amended Rule (PAR) 1111 implements AQMP control measure CMB-03 of the 2007 AQMP. Control Measure CMB-03 proposed NOx emission reductions of 50 to 75 percent by requiring furnaces to meet a NOx emission limit of between 10 to 20 nanograms per Joule (ng/J) of heat output [15 to 30 parts per million (ppm) at three percent oxygen]. The objective of PAR 1111 is to reduce NOx emissions from fan-type gas-fired residential furnaces with heat input ratings ~~between 50,000 and~~ less than 175,000 British thermal units per hour (Btu/hr).

¹ The Lewis-Presley Air Quality Management Act, 1976 Cal. Stats., ch 324 (codified at Health and Safety Code, §§40400-40540).

² Health and Safety Code, §40460 (a).

³ Health and Safety Code, §40440 (a).

⁴ The federal one-hour ozone standard was replaced by the federal eight-hour ozone standard, effective June 15, 2005, but SCAQMD must still attain this standard, based on a 2011 court decision.

⁵ 2010 Air Quality Historical Data, South Coast Air Quality Management District, <http://www.aqmd.gov/smog/historical/AQ10card.pdf>.

AFFECTED FACILITIES

PAR 1111 affects manufacturers (NAICS 333) and distributors and wholesalers (NAICS 423) of residential furnaces. Because heating units regulated by the rule are used in most residential and many commercial settings for heating small buildings, construction and building contractors are also affected by PAR 1111. The Air Conditioning Heating and Refrigeration Institute (AHRI), the major manufacturer's trade organization, indicates that there are no manufacturers of fan-type gas-fired residential furnaces in the SCAQMD. However, these companies do maintain regional sales offices and distribution centers in the SCAQMD and there are manufacturers of other types of heating furnaces in the SCAQMD.

CALIFORNIA ENVIRONMENTAL QUALITY ACT

PAR 1111 is a discretionary action by a public agency, which has potential for resulting in direct or indirect changes to the environment and, therefore, is considered a "project" as defined by the California Environmental Quality Act (CEQA). SCAQMD is the lead agency for the proposed project and has prepared this Final environmental assessment (EA) with no significant adverse impacts pursuant to its Certified Regulatory Program and SCAQMD Rule 110. California Public Resources Code §21080.5 allows public agencies with regulatory programs to prepare a plan or other written document in lieu of an environmental impact report or negative declaration once the Secretary of the Resources Agency has certified the regulatory program. SCAQMD's regulatory program was certified by the Secretary of the Resources Agency on March 1, 1989, and is codified as SCAQMD Rule 110.

CEQA and Rule 110 require that potential adverse environmental impacts of proposed projects be evaluated and that feasible methods to reduce or avoid significant adverse environmental impacts of these projects be identified. To fulfill the purpose and intent of CEQA, the SCAQMD has prepared this Final EA to address the potential adverse environmental impacts associated with the proposed project. The Final EA is a public disclosure document intended to: (a) provide the lead agency, responsible agencies, decision makers and the general public with information on the environmental effects of the proposed project; and, (b) be used as a tool by decision makers to facilitate decision making on the proposed project.

SCAQMD's review of the proposed project shows that the proposed project would not have a significant adverse effect on the environment. Therefore, pursuant to CEQA Guidelines §15252 and 15126.6(f), no alternatives are proposed to avoid or reduce any significant effects because there are no significant adverse impacts, and pursuant to CEQA Guidelines §15126.4(a)(3), mitigation measures are not required for effects not found to be significant. The analysis in the form of the environmental checklist in Chapter 2 supports the conclusion of no significant adverse environmental impacts.

Comments received on the Final EA during the public comment period and responses to comments will be prepared and included in the Final EA for the proposed project.

PROJECT LOCATION

The known affected facilities are located throughout the SCAQMD jurisdiction. The SCAQMD has jurisdiction over an area of approximately 10,743 square miles, consisting of the four-county South Coast Air Basin (Basin) (Orange County and the non-desert portions of Los Angeles,

Riverside and San Bernardino counties), and the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The Basin, which is a subarea of the SCAQMD's jurisdiction, is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto mountains to the north and east. It includes all of Orange County and the nondesert portions of Los Angeles, Riverside, and San Bernardino counties. The Riverside County portion of the SSAB is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley. The federal nonattainment area (known as the Coachella Valley Planning Area) is a subregion of Riverside County and the SSAB that is bounded by the San Jacinto Mountains to the west and the eastern boundary of the Coachella Valley to the east (Figure 1-1).

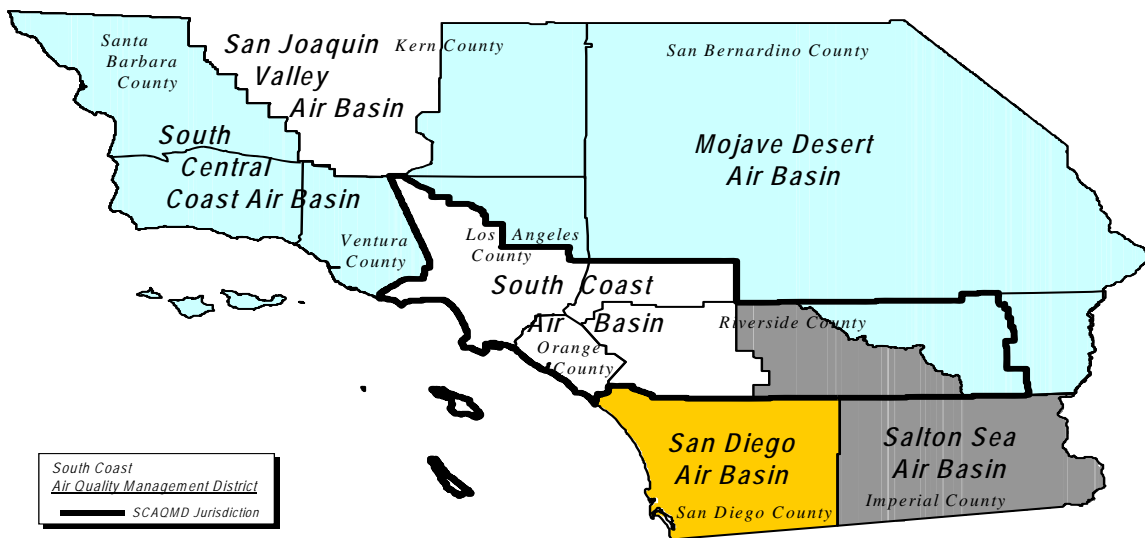


Figure 1-1
Boundaries of the South Coast Air Quality Management District

PROJECT OBJECTIVE

The objectives of PAR 1111 are to:

- Provide manufacturers subject to Rule 1111 additional time to produce residential furnaces that meet the NOx emission limit of 14 ng/J;
- delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015;
- provide manufacturers subject to Rule 1111 an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD.

PROJECT BACKGROUND

Rule 1111 was adopted by the SCAQMD Governing Board in December 1978, addressing all sizes of space heating furnaces. The original rule required all residential and commercial space heating furnaces to meet a NOx emission limit of 40 ng/J of heat output (equivalent to 55 ppm at a reference level of 3% oxygen) beginning January 1, 1984. At the December 1978 rule adoption Hearing, a rule requirement that all space heating furnaces meet a 12 ng/J NOx emission limit by 1995 was considered by the Governing Board but not adopted.

Rule 1111 was amended in July 1983 in order to limit applicability to units sized for residences and exempted larger commercial space heaters. The rule amendment limited applicability to furnaces with a heat input of less than 175,000 Btu per hour, or for combination heating and cooling units, a cooling rate of less than 65,000 Btu per hour. The July 1983 amendment also exempted units manufactured for use in mobile homes (manufactured housing), revised the definition of efficiency, and clarified testing procedures.

In November 2009, Rule 1111 was amended to be consistent with the objectives of Control Measure CMB-03 of the 2007 Air Quality Management Plan (AQMP). The 2009 amendment established a new lower NOx emission limit of 14 ng/J (20 ppm at reference level of 3% oxygen) for residential furnaces, which reflects a 65% reduction from the then current limit of 40 ng/J (55 ppm).

Implementation of lower NOx emission limits from the November 2009 rule amendment began in 2012. New mobile home heating units, which were unregulated prior to the 2009 amendment, had to meet a NOx limit of 40 ng/J in 2012 with a future limit of 14 ng/J in 2018. The 40 ng/J emission limit for mobile home furnaces was based on burner and control technology used in existing residential furnaces.

All other new residential space heating furnaces were required to meet a 14 ng/J NOx limit by October 1, 2016. The 2009 amendment required the three major categories of residential furnace – condensing (high efficiency), non-condensing and weatherized – to meet the new 14 ng/J NOx limit by 2014, 2015 and 2016 respectively.

The 2009 amendment to Rule 1111 also made a number of other changes to the rule including updating references to test methods for determining compliance with rule emission limits and providing more specificity in the labeling requirements. To facilitate the depletion of existing inventories and to ensure smooth transition to the new limits, Rule 1111 also provided a temporary 10-month exemption (a sell-through period) for units manufactured before the applicable future compliance date and delivered into the SCAQMD prior to the compliance date.

At the time Rule 1111 was amended in 2009, there were no commercially available units meeting the future effective limits. In order to encourage and accelerate technology development, Rule 1111 provided an incentive for early compliance with the 14 ng/J NO_x emission limit. Companies that deliver 14 ng/J furnaces into the SCAQMD prior to the applicable compliance date can elect to receive a payment of \$75 for each standard efficiency furnace and \$90 for each high-efficiency unit sold and delivered into the SCAQMD 90 days prior to the applicable compliance date. These manufacturer rebates would result in savings of \$150 to \$350 to consumers because of cost markups in the supply chain. This early compliance program is funded by the SCAQMD Rule 1121 Mitigation Program and provides up to \$3,000,000 for the residential furnace rebate program. As funds are limited, payments for early compliance are on a first-come first-served basis. To promote and assist the development of compliant furnaces, the resolution for the 2009 rule amendment also committed SCAQMD funding for residential furnace technology demonstration projects.

The 2009 amendment of Rule 1111 also required a technology assessment and status report to the Governing Board. This technology assessment evaluates both the feasibility of the new lower NO_x emission limit and the rule implementation schedule. In addition, the amending resolution requires SCAQMD staff to include an analysis of a mitigation fee option that would allow manufacturers to delay compliance with the new NO_x limit.

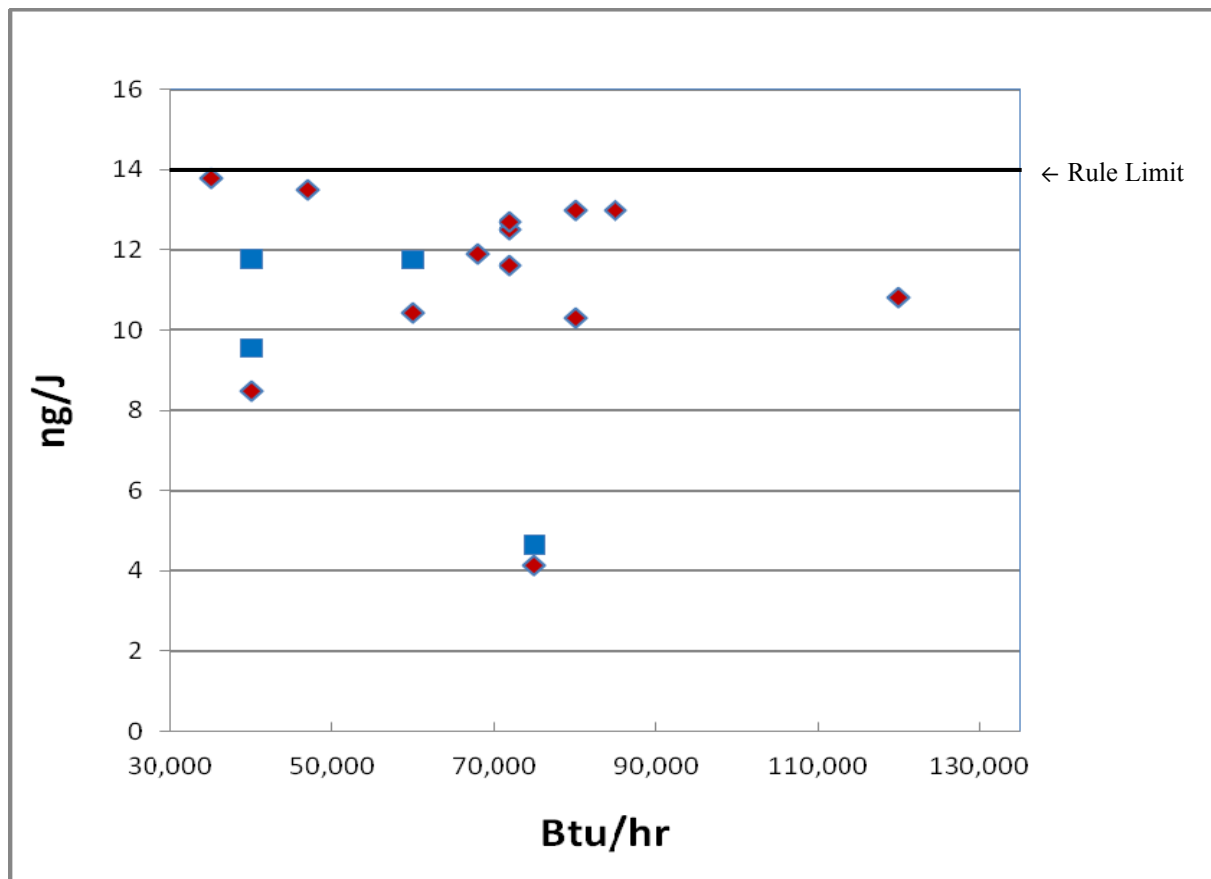
Immediately after Rule 1111 was amended in November 2009, the SCAQMD Technology Advancement Office (TAO) initiated a Request for Proposals (RFP) to develop prototype residential furnaces that meet the new 14 ng/J NO_x limit in Rule 1111. The technology development projects have been completed and the prototype furnaces developed through these four projects demonstrate that the new lower Rule 1111 NO_x limit is achievable in all of the types of forced air residential heating furnaces produced for the United States market.

TECHNOLOGY OVERVIEW

Fan-type gas-fired furnaces heat a building by circulating air from inside the building through the furnace. In a fan-type furnace, air is heated when it passes through a heat exchanger. Combustion gases heat up the inside of the heat exchanger and building air moving past the outside of the heat exchanger removes heat from the outside surface. A blower (fan) pulls air through one or more intake ducts and pushes the air past the heat exchanger and through another set of ducts which direct the heated air to different parts of the building. The heated air circulates through the building before it is again pulled into the intake ducts and heated. This process continues until a specific temperature is detected by a thermostat in the building which then shuts off the furnace. When the temperature at the thermostat goes below a set point, the thermostat sends a signal for the furnace to turn on.

As mentioned previously, immediately after Rule 1111 was amended in November 2009, the SCAQMD Technology Advancement Office (TAO) initiated a Request for Proposals (RFP) to develop prototype residential furnaces that meet the new 14 ng/J NO_x limit in Rule 1111. A request for proposals was issued in February 2010 and TAO staff selected four bids for funding, including two furnace manufacturers, one burner manufacturer and a research institute familiar with residential furnaces. The results of the four technology demonstration projects indicate that the 14 ng/J emission limit in Rule 1111 is achievable in both standard and high efficiency furnaces (condensing furnaces) with single or variable firing rates (see Figure 1-2). With the exception of one furnace that did not pass safety testing by the end of the project, the contractors and their prototype furnaces achieved the project objectives of meeting the NO_x emissions limit and passing initial safety tests.

Figure 1-2 – Prototype Furnace NO_x Emissions (ng/J) *



* Standard and high efficiency units are identified by squares and diamonds respectively.

The prototype furnaces developed through these four projects demonstrate that the new lower Rule 1111 NO_x limit is achievable in all of the types of forced air residential heating furnaces produced for the United States market. In addition, testing indicates that furnaces with the new burners developed for the projects can also meet industry safety requirements. However, there remain issues relating to product design, materials of construction, combustion control, and manufacturing that each company must resolve. Now that prototype furnaces have been

developed, the next steps for each manufacturer would be to complete the product design and select materials of construction, combustion controls and manufacture of the new units.

PROJECT DESCRIPTION

PAR 1111 would provide manufacturers additional time (six months) to produce residential furnaces that meet the NOx emission limit of 14 ng/J. Not all manufacturers will be able to produce compliant furnaces by the compliance dates. PAR 1111 would add an alternate compliance option to the rule. In lieu of meeting the new lower NOx emission limit, PAR 1111 will provide manufacturers of residential furnaces subject to Rule 1111 an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD. The mitigation fee will be used in established emission reduction programs.

In addition, the proposed rule will delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. This delay will provide manufacturers additional time for testing new furnace designs and submitting and receiving approval of alternate compliance plans for non-compliant condensing furnaces.

Table 1-1 – Furnace NOx Limits and Compliance Schedule

Compliance Date	Equipment Category	NOx Emission Limit (ng/J)
October 1, 2012	Mobile Home Furnace	40
April 1, 2015	Condensing Furnace	14
October 1, 2015	Non-condensing Furnace	14
October 1, 2016	Weatherized Furnace	14
October 1, 2018	Mobile Home Furnace	14

The mitigation fee alternate compliance option can be used for up to 36 months past the applicable compliance date in Table 1 of section (c) of the rule. However, the manufacturer must submit, 90 days prior to the applicable compliance date, a separate application for each 12 month alternate compliance period after the compliance date.

A copy of PAR 1111 is included in Appendix A.

CHAPTER 2 - ENVIRONMENTAL CHECKLIST

Introduction

General Information

Environmental Factors Potentially Affected

Determination

Environmental Checklist and Discussion

INTRODUCTION

The environmental checklist provides a standard evaluation tool to identify a project's potential adverse environmental impacts. This checklist identifies and evaluates potential adverse environmental impacts that may be created by the proposed project.

GENERAL INFORMATION

Project Title:	Final Environmental Assessment (EA) for Proposed Amended Rule (PAR) 1111 – <u>Reduction of NOx Emissions</u> from Natural-Gas-Fired, Fan-Type Central Furnaces
Lead Agency Name:	South Coast Air Quality Management District
Lead Agency Address:	21865 Copley Drive Diamond Bar, CA 91765
CEQA Contact Person:	Mr. Jeff Inabinet (909) 396-2453
PAR 1111 Contact Person	Mr. Wayne Barcikowski (909) 396-3077
Project Sponsor's Name:	South Coast Air Quality Management District
Project Sponsor's Address:	21865 Copley Drive Diamond Bar, CA 91765
General Plan Designation:	Not applicable
Zoning:	Not applicable
Description of Project:	PAR 1111 would provide manufacturers additional time to produce residential furnaces that meet the NOx emission limit of 14 nanograms per Joule (ng/J). Not all manufacturers will be able to produce compliant furnaces by the compliance dates. PAR 1111 will add an alternate compliance option to the rule. In lieu of meeting the new lower NOx emission limit, PAR 1111 will provide manufacturers of residential furnaces subject to Rule 1111 an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD. In addition, the proposed rule will delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. This delay will provide manufacturers additional time for testing new furnace designs and submitting and receiving approval of alternate compliance plans for non-compliant condensing furnaces. Based on sales estimates for condensing furnaces in southern California, PAR 1111 will result in emission reductions forgone of up to 46 pounds per day during the period from October 1, 2014 until April 1, 2015. These foregone emission reductions, from the sale and installation of non-compliant furnaces during those six months cannot be completely mitigated because the mitigation program will not be in effect until sometime between January 1 and April 1, 2015. However, the mitigation program will be able to offset emission reductions forgone for the remainder of the lifetime of these furnaces once mitigation fees are received during the last calendar quarter of 2014 and the first quarter of 2015. The PAR 1111 mitigation fee will be used to fund existing SCAQMD programs including the clean leaf-blower and lawn mower exchange programs.
Surrounding Land Uses and Setting:	Not applicable
Other Public Agencies Whose Approval is Required:	Not applicable

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The following environmental impact areas have been assessed to determine their potential to be affected by the proposed project. As indicated by the checklist on the following pages, environmental topics marked with an "✓" may be adversely affected by the proposed project. An explanation relative to the determination of impacts can be found following the checklist for each area.

- | | | |
|--|--|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Geology and Soils | <input type="checkbox"/> Population and Housing |
| <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Hazards and Hazardous Materials | <input type="checkbox"/> Public Services |
| <input checked="" type="checkbox"/> Air Quality and Greenhouse Gas Emissions | <input type="checkbox"/> Hydrology and Water Quality | <input type="checkbox"/> Recreation |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Land Use and Planning | <input type="checkbox"/> Solid/Hazardous Waste |
| <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Noise | <input type="checkbox"/> Mandatory Findings of Significance |

DETERMINATION

On the basis of this initial evaluation:

- I find the proposed project, in accordance with those findings made pursuant to CEQA Guideline §15252, COULD NOT have a significant effect on the environment, and that an ENVIRONMENTAL ASSESSMENT with no significant impacts has been prepared.
- I find that although the proposed project could have a significant effect on the environment, there will NOT be significant effects in this case because revisions in the project have been made by or agreed to by the project proponent. An ENVIRONMENTAL ASSESSMENT with no significant impacts will be prepared.
- I find that the proposed project MAY have a significant effect(s) on the environment, and an ENVIRONMENTAL ASSESSMENT will be prepared.
- I find that the proposed project MAY have a "potentially significant impact" on the environment, but at least one effect 1)has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL ASSESSMENT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier ENVIRONMENTAL ASSESSMENT pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier ENVIRONMENTAL ASSESSMENT, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Date: August 27, 2014

Signature: _____

Michael Krause
Program Supervisor

ENVIRONMENTAL CHECKLIST AND DISCUSSION

As discussed in Chapter 1, the main focus of PAR 1111 is to reduce NO_x emissions from fan-type gas-fired residential furnaces with heat input ratings ~~between 50,000 and~~ less than 175,000 Btu/hr.

The objectives of PAR 1111 are to:

- Provide manufacturers subject to Rule 1111 additional time to produce residential furnaces that meet the NO_x emission limit of 14 ng/J;
- delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015;
- provide manufacturers subject to Rule 1111 an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD.

An environmental assessment (EA) was previously conducted during the last Rule 1111 amendment in 2009 that analyzed the potential environmental impacts of lowering the NO_x emission limit for fan-type gas-fired residential furnaces to 14 ng/J. More specifically, the 2009 EA evaluated the impacts from the construction and operation of affected sources and this analysis indicated that the 2009 proposed project would not generate any project-specific significant environmental impacts.

Therefore, this Final EA will not re-evaluate the impacts from implementing and complying with the existing rule requirement (NO_x emission limit of 14 ng/J) anticipated to require low NO_x emission technology. In order to ensure that any potential significant adverse environmental impacts are identified and evaluated and that feasible methods to reduce or avoid any potential significant adverse environmental impacts associated with the proposed project are identified and evaluated, the environmental analysis for PAR 1111 focuses on providing manufacturers additional time to produce residential furnaces that meet the NO_x emission limit of 14 ng/J, providing an option to pay a per unit mitigation fee for each unit sold into the SCAQMD, and delaying the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015.

Manufacturers, distributors, retailers, and installers of new units will be expected to comply with the proposed requirements in PAR 1111. Compliance with PAR 1111 for a new unit means that the equipment, at the time of manufacture, will be equipped with compliant low NO_x emission technology that has been certified by the manufacturer to achieve the NO_x emission standards, or has chosen to pay a fee mitigation option. Currently, existing units are not required to comply with the new NO_x emission limits. Therefore, no add-on control equipment to existing units is expected to be used. As a result, complying with PAR 1111 is not expected to require any activities using welders, forklifts, etc., to remove and install new equipment or replace old burners with compliant low NO_x burners. Since compliant units will be installed at the end of existing units operable lifetimes in existing equipment locations, no site preparation or grading activities requiring large construction equipment will be necessary. The mitigation fee will be used in established emission reduction programs, so therefore does not require further evaluation.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

The proposed project impacts on aesthetics will be considered significant if:

- The project will block views from a scenic highway or corridor.
- The project will adversely affect the visual continuity of the surrounding area.
- The impacts on light and glare will be considered significant if the project adds lighting which would add glare to residential areas or sensitive receptors.

Discussion

I. a), b), c) & d) PAR 1111 applies to new residential heating furnaces. Compliance with PAR 1111 for a new unit means that the equipment, at the time of manufacture, will be equipped with compliant low NOx emission technology that has been certified by the manufacturer to achieve the NOx emission standards or a mitigation fee has been paid. Implementation of PAR 1111 would not require the construction of new buildings or other structures that would obstruct scenic resources or degrade the existing visual character of a site, including but not limited to, trees, rock outcroppings, or historic buildings. Further, PAR 1111 would not involve the demolition of any existing buildings or facilities, require any subsurface activities, require the acquisition of any new land or the surrendering of existing land, or the modification of any existing land use designations or zoning ordinances. Thus, the proposed project is not expected to degrade the visual character of any site or its surroundings, affect any scenic vista, or damage scenic resources. Since the proposed project affects new residential heating units and does not require the addition of lighting, it is not expected to create any new source of substantial light or glare. Moreover, the current proposed amendment merely allows a delay in compliance or payment of a mitigation fee.

Based upon these considerations, significant adverse aesthetics impacts are not anticipated and will not be further analyzed in this Final EA. Since no significant adverse aesthetics impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
II. AGRICULTURE AND FORESTRY RESOURCES. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland mapping and Monitoring Program of the California Resources Agency, to non- agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code §12220(g)), timberland (as defined by Public Resources Code §4526), or timberland zoned Timberland Production (as defined by Government Code §51104 (g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Project-related impacts on agriculture and forestry resources will be considered significant if any of the following conditions are met:

- The proposed project conflicts with existing zoning or agricultural use or Williamson Act contracts.
- The proposed project will convert prime farmland, unique farmland or farmland of statewide importance as shown on the maps prepared pursuant to the farmland mapping and monitoring program of the California Resources Agency, to non-agricultural use.
- The proposed project conflicts with existing zoning for, or causes rezoning of, forest land (as defined in Public Resources Code §12220(g)), timberland (as defined in Public Resources Code §4526), or timberland zoned Timberland Production (as defined by Government Code § 51104 (g)).
- The proposed project would involve changes in the existing environment, which due to their location or nature, could result in conversion of farmland to non-agricultural use or conversion of forest land to non-forest use.

Discussion

II. a), b), c) & d) Compliance with PAR 1111 means installing new compliant units with low NOx emission technology or choosing to pay a mitigation fee option. The residences that will be affected by the implementation of PAR 1111 are located within urbanized areas that are typically designated as residential or commercial (for units located within small commercial structures). Therefore, installing a new compliant unit at the end of a current unit’s operable lifetime to comply with PAR 1111 would not result in any new construction of buildings or other structures that would convert farmland to non-agricultural use or conflict with zoning for agricultural use or a Williamson Act contract. The proposed project would not require converting farmland to non-agricultural uses because the affected units are expected to be completely located within the confines of existing residences and small commercial facilities. For the same reasons, PAR 1111 would not result in the loss of forest land or conversion of forest land to non-forest use.

Based upon these considerations, significant adverse agricultural and forestry resource impacts are not anticipated and will not be further analyzed in this Final EA. Since no significant agriculture and forestry resource impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
III. AIR QUALITY AND GREENHOUSE GAS EMISSIONS.				
Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions that exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Diminish an existing air quality rule or future compliance requirement resulting in a significant increase in air pollutant(s)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
g) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Air Quality Significance Criteria

To determine whether or not air quality impacts from adopting and implementing PAR 1111 are significant, impacts will be evaluated and compared to the criteria in Table 2-1. The project will be considered to have significant adverse air quality impacts if any one of the thresholds in Table 2-1 are equaled or exceeded.

To determine whether or not greenhouse gas emissions from the proposed project may be significant, impacts will be evaluated and compared to the 10,000 MT CO₂/year threshold for industrial sources.

**TABLE 2-1
SCAQMD Air Quality Significance Thresholds**

Mass Daily Thresholds ^a		
Pollutant	Construction ^b	Operation ^c
NO _x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM ₁₀	150 lbs/day	150 lbs/day
PM _{2.5}	55 lbs/day	55 lbs/day
SO _x	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
Toxic Air Contaminants (TACs), Odor, and GHG Thresholds		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
GHG	10,000 MT/yr CO ₂ eq for industrial facilities	

**TABLE 2-1
SCAQMD Air Quality Significance Thresholds (concluded)**

Ambient Air Quality Standards for Criteria Pollutants^d	
NO2 1-hour average annual arithmetic mean	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.03 ppm (state) and 0.0534 ppm (federal)
PM10 24-hour average annual average	10.4 µg/m ³ (construction) ^e & 2.5 µg/m ³ (operation) 1.0 µg/m ³
PM2.5 24-hour average	10.4 µg/m ³ (construction) ^e & 2.5 µg/m ³ (operation)
SO2 1-hour average 24-hour average	0.25 ppm (state) & 0.075 ppm (federal – 99 th percentile) 0.04 ppm (state)
Sulfate 24-hour average	25 µg/m ³ (state)
CO 1-hour average 8-hour average	SCAQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)
Lead 30-day Average Rolling 3-month average Quarterly average	1.5 µg/m ³ (state) 0.15 µg/m ³ (federal) 1.5 µg/m ³ (federal)

^a Source: SCAQMD CEQA Handbook (SCAQMD, 1993)

^b Construction thresholds apply to both the South Coast Air Basin and Coachella Valley (Salton Sea and Mojave Desert Air Basins).

^c For Coachella Valley, the mass daily thresholds for operation are the same as the construction thresholds.

^d Ambient air quality thresholds for criteria pollutants based on SCAQMD Rule 1303, Table A-2 unless otherwise stated.

^e Ambient air quality threshold based on SCAQMD Rule 403.

KEY: lbs/day = pounds per day ppm = parts per million µg/m³ = microgram per cubic meter ≥ = greater than or equal to
 MT/yr CO₂eq = metric tons per year of CO₂ equivalents > = greater than

III. a), b) and f) Attainment of the state and federal ambient air quality standards protects sensitive receptors and the public in general from the adverse effects of criteria pollutants which are known to have adverse human health effects. The lower future NO_x emission limits proposed in PAR 1111 contribute to carrying out the goals of the 2007 AQMP, specifically, the goals of control measure CMB-03, by replacing the affected units at the end of their operable life to meet current BACT standards. Further, reducing NO_x emissions from all affected PAR 1111 units helps contribute to attaining and maintaining the state and federal ambient air quality standards. However, the proposed rule will delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. This delay will provide manufacturers additional time for testing new furnace designs and submitting and receiving approval of alternate compliance plans for non-compliant condensing furnaces. Based on sales estimates for condensing furnaces in southern California, PAR 1111 will result in a delay of emission reductions of up to 46 pounds per day during the period from October 1, 2014 until April 1, 2015. See Appendix B for the sources of the emission data and a derivation of the peak daily emission reduction delay. These foregone emission reductions, from the sale and installation of non-compliant condensing furnaces during those six months cannot be completely mitigated because the mitigation program will not be in effect until sometime between January 1

and April 1, 2015. However, the mitigation program will be able to offset emission reductions forgone for the remainder of the lifetime of these furnaces once mitigation fees are received during the last calendar quarter of 2014 and the first quarter of 2015. A spreadsheet depicting the proposed rule amendment inventory and emission reductions is located in Appendix B.

Thus, because PAR 1111 implements a portion of this control measure in the 2007 AQMP which results in achieving NO_x reductions, the proposed project does not obstruct implementation of the applicable AQMP. Mitigation fees collected for non-compliant units will be used for emission reduction programs. Additionally, the delay in emission reductions (46 pounds) from the sale and installation of non-compliant furnaces expected to occur between January 1 and April 1, 2015 are below the SCAQMD Mass Daily Air Quality Significance Thresholds (55 pounds). Accordingly, this impact issue will not be further analyzed.

Construction Impacts

Construction-related emissions can be distinguished as either onsite or offsite. Onsite emissions generated during construction principally consist of exhaust emissions (NO_x, SO_x, CO, VOC, and PM₁₀) from the operation of heavy-duty construction equipment, fugitive dust (as PM₁₀) from disturbed soil, and VOC emissions from asphaltic paving and painting. Offsite emissions during the construction phase normally consist of exhaust emissions and entrained paved road dust (as PM₁₀) from worker commute trips, material delivery trips, and haul truck material removal trips to and from the construction site.

No construction activities are expected to occur with the installation of compliant units or the payment of a mitigation fee for non-compliant units. Based on the above description of construction activities, the proposed project is not expected to generate construction-related emissions, so no adverse impacts are expected. There are no requirements in PAR 1111 to perform any construction or associated activities (e.g. demolition or building of structures, facilities, infrastructure, or installation of control equipment) because the proposed amendments do not require any physical modifications at installation locations. Further, there are reportedly no furnace manufacturers located in the SCAQMD.

As a result, according to the above analysis of potential construction impacts, there would be no significant adverse construction air quality impacts resulting from the proposed project for criteria pollutants.

Operational Impacts- Criteria Pollutants

According to the Air Conditioning Heating and Refrigeration Institute (AHRI), the manufacturer's trade organization, there are currently no facilities manufacturing fan-type gas-fired residential furnaces in the SCAQMD. However, affected companies do maintain regional sales offices and distribution centers in the SCAQMD and these offices and centers will have to assure that only compliant or mitigation plan units are sold for installation in the SCAQMD.

Annual average NO_x emissions from residential heating using natural gas were estimated in the 2007 Air Quality Management Plan at 9.7 tons per day in 2002 and 11.1 tons/days in 2023. As most NO_x emissions occur between October and May, daily emissions in these months are significantly higher.

Based on sales estimates for condensing furnaces in southern California, PAR 1111 will result in a delay in emission reductions of up to 46 pounds per day during the period from October 1, 2014 until April 1, 2015, which is below the SCAQMD Mass Daily Air Quality Significance Thresholds for operational NO_x emissions (55 lbs/day). These foregone emission reductions, from the sale and installation of non-compliant condensing furnaces during those six months cannot be completely mitigated because the mitigation program will not be in effect until sometime between January 1 and April 1, 2015. However, the mitigation program will be able to offset emission reductions forgone for the remainder of the lifetime of these furnaces once mitigation fees are received during the last calendar quarter of 2014 and the first quarter of 2015. The six month delay of the compliance date will also provide additional time for manufacturers to receive incentive funds for early introduction of compliant furnaces.

The PAR 1111 mitigation fee will be used to fund existing SCAQMD emission reduction programs including the clean leaf-blower and lawn mower exchange programs. These programs can fully mitigate the potential emission reductions forgone. For example, the cost of a low emission leaf blower is about \$180. Each leaf blower purchased and exchanged for an old leaf blower by the SCAQMD will reduce more than six times the annual NO_x emission reductions forgone due to the purchase of one non-compliant furnace. Five low emission leaf blowers replaced every five years over 25 years will mitigate the emissions reductions foregone by the sale of at least 6 non-compliant furnaces. Therefore, the implementation of PAR 1111 is not expected to result in any significant adverse operational air quality impacts.

Operational Impacts- Toxic Air Contaminants

In assessing potential impacts from the adoption of proposed rule and amendments, SCAQMD staff not only evaluates the potential air quality benefits, but also determines potential health risks associated with implementation of the proposed amendments.

As stated previously, the main objectives of PAR 1111 is to provide manufacturers subject to Rule 1111 additional time to produce residential furnaces that meet the NO_x emission limit of 14 ng/J, provide manufacturers an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD, and delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. PAR 111 is not expected to generate an increase in any toxic emissions. As a result, there will be no increase in toxic air contaminant emissions from the affected units due to the proposed rule amendments.

III. c) The preceding analysis concluded that there would be no significant adverse construction or operational emissions impacts, thus, no incremental effect to other projects causing related impacts. Since PAR 1111 is not expected to be significant for any air quality adverse impact, it is not expected to be cumulatively considerable and, therefore, is not expected to create significant adverse cumulative air quality impacts (CEQA Guidelines §15130(a)).

III. d) Affected equipment is not expected to increase exposure by sensitive receptors to substantial pollutant concentrations from the implementation of PAR 1111 for the following reasons: 1) affected equipment is primarily located in existing residential and/or commercial areas; 2) installation of any new equipment subject to PAR 1111 is expected to reduce NO_x emissions from affected equipment and the mitigation fees collected for the installation of non-compliant units during a limited period of time (no more than 36 months) will be used in

emission reduction programs. Therefore, significant adverse air quality impacts to sensitive receptors are not expected from implementing PAR 1111.

III. e) Historically, the SCAQMD has enforced odor nuisance complaints through SCAQMD Rule 402 - Nuisance. Affected equipment is not expected to create objectionable odors affecting a substantial number of people for the following reasons: 1) no heavy-duty construction equipment with associated diesel exhaust odors are necessary to install compliant equipment; 2) typically no odors are associated with combustion equipment (heating furnaces) operating in accordance with Rule 1111; and, 3) installation of any new equipment subject to PAR 1111 is expected to reduce NO_x emissions from affected equipment and the mitigation fee collected for the installation of non-compliant units during a limited period of time will be used in emission reduction programs. Therefore, no significant odor impacts are expected to result from implementing the PAR 1111.

III. g) & h) Changes in global climate patterns have been associated with global warming, an average increase in the temperature of the atmosphere near the Earth's surface, recently attributed to accumulation of GHG emissions in the atmosphere. GHGs trap heat in the atmosphere, which in turn heats the surface of the Earth. Some GHGs occur naturally and are emitted to the atmosphere through natural processes, while others are created and emitted solely through human activities. The emission of GHGs through the combustion of fossil fuels (i.e., fuels containing carbon) in conjunction with other human activities, appears to be closely associated with global warming.⁶ State law defines GHG to include the following: carbon dioxide (CO₂), methane (CH₄), nitrous oxide (N₂O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF₆) (HSC §38505(g)). The most common GHG that results from human activity is CO₂, followed by CH₄ and N₂O.

GHGs and other global warming pollutants are often perceived as solely global in their impacts and that increasing emissions anywhere in the world contributes to climate change anywhere in the world. However, a study conducted on the health impacts of CO₂ "domes" that form over urban areas shows they can cause increases in local temperatures and local criteria pollutants, which have adverse health effects.⁷

The analysis of GHGs is a much different analysis than the analysis of criteria pollutants for the following reasons. For criteria pollutants, the significance thresholds are based on daily emissions because attainment or non-attainment is primarily based on daily exceedances of applicable ambient air quality standards. Further, several ambient air quality standards are based on relatively short-term exposure effects on human health (e.g., one-hour and eight-hour standards). Since the half-life of CO₂ is approximately 100 years, for example, the effects of GHGs occur over a longer term which means they affect the global climate over a relatively long time frame. As a result, the SCAQMD's current position is to evaluate the effects of GHGs over

⁶ Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.). 2007. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, 2007. Cambridge University Press.
http://www.ipcc.ch/publications_and_data/ar4/wg1/en/contents.html

⁷ Jacobsen, Mark Z. "Enhancement of Local Air Pollution by Urban CO₂ Domes," Environmental Science and Technology, as describe in Stanford University press release on March 16, 2010 available at:
<http://news.stanford.edu/news/2010/march/urban-carbon-domes-031610.html>.

a longer timeframe than a single day (e.g., annual emissions). GHG emissions are typically considered to be cumulative impacts because they contribute to global climate effects.

On December 5, 2008, the SCAQMD adopted an interim CEQA GHG Significance Threshold for projects where SCAQMD is the lead agency (SCAQMD, 2008). This interim threshold is set at 10,000 metric tons of CO₂ equivalent emissions (MTCO₂eq) per year. Projects with incremental increases below this threshold will not be cumulatively considerable.

The Program EIR for the 2012 AQMP concluded that implementing the control measures in the 2012 AQMP would provide a comprehensive ongoing regulatory program that would reduce overall GHGs emissions in the District.

Based on the type and size of equipment affected by PAR 1111, CO₂ emissions from the operation of the compliant units are likely to decrease from current levels due to improved burner efficiency, thus, a lower amount of fuel being burned, generating less GHG emissions. Also, no fuel penalty is associated with PAR 1111 and the delay is only six months, so GHG emissions will not increase from the existing setting. Additionally, compliance with PAR 1111 means that the equipment, at the time of manufacture, will be equipped with compliant low NO_x burner technology that has been certified by the manufacturer to achieve the NO_x emission standards and mitigation fees collected for the installation of non-compliant units during a limited period of time will be used in established emission reduction programs. Therefore, the proposed project is not expected to generate construction-related CO₂ emissions. The proposed amended rule will not change the current natural gas-fired furnace distribution system and will not change the replacement schedule of existing furnaces. Since the proposed project is not expected to generate construction-related CO₂ emissions, and the operational phase of the proposed project is not expected to generate any additional GHG emissions, cumulative GHG adverse impacts from PAR 1111 are not considered significant or cumulatively considerable.

Conclusion

Based on the preceding evaluation of potential air quality impacts from PAR 1111, SCAQMD staff has concluded that PAR 1111 does not have the potential to generate significant adverse air quality impacts. Since no significant adverse air quality and greenhouse gases impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
IV. BIOLOGICAL RESOURCES.				
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by §404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflicting with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts on biological resources will be considered significant if any of the following criteria apply:

- The project results in a loss of plant communities or animal habitat considered to be rare, threatened or endangered by federal, state or local agencies.
- The project interferes substantially with the movement of any resident or migratory wildlife species.
- The project adversely affects aquatic communities through construction or operation of the project.

Discussion

IV. a), b), c), & d) PAR 1111 would not require any new development or require major modifications to buildings or other structures to comply with the new requirements for manufacturers of residential furnaces. The installation of compliant equipment is expected to be located at existing facilities that are already paved. However, if new construction occurs, it is not expected to be caused by the proposed project. As a result, PAR 1111 would not directly or indirectly affect any species identified as a candidate, sensitive or special status species, riparian habitat, federally protected wetlands, or migratory corridors. For this same reason, PAR 1111 is not expected to adversely affect special status plants, animals, or natural communities.

IV. e) & f) PAR 1111 would not conflict with local policies or ordinances protecting biological resources or local, regional, or state conservation plans because it would not cause new development. Additionally, PAR 1111 would not conflict with any Habitat Conservation Plan, Natural Community Conservation Plan, or any other relevant habitat conservation plan for the same reason identified in Item IV. a), b), c), and d) above. Likewise, the proposed project would not in any way impact wildlife or wildlife habitat.

Based upon these considerations, significant adverse biological resources impacts are not anticipated and will not be further analyzed in this Final EA. Since no significant adverse biological resources impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
c) Directly or indirectly destroy a unique paleontological resource, site, or feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Disturb any human remains, including those interred outside formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts to cultural resources will be considered significant if:

- The project results in the disturbance of a significant prehistoric or historic archaeological site or a property of historic or cultural significance to a community or ethnic or social group.
- Unique paleontological resources are present that could be disturbed by construction of the proposed project.
- The project would disturb human remains.

Discussion

V. a), b), c), & d) PAR 1111 does not require construction of new facilities, increasing the floor space of existing facilities, or any other construction activities that would require disturbing soil that may contain cultural resources. The installation of compliant units is expected to be located at existing facilities that are already paved or will not change the construction of new development in any way. Since no construction-related activities requiring soil disturbance would be associated with the implementation of PAR 1111, no impacts to historical or cultural resources are anticipated to occur. Further, PAR 1111 is not expected to require any physical changes to the environment, which may disturb paleontological or archaeological resources or disturb human remains interred outside of formal cemeteries.

Based upon these considerations, significant adverse cultural resources impacts are not expected from implementing PAR 1111 and will not be further assessed in this Final EA. Since no significant cultural resources impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
VI. ENERGY. Would the project:				
a) Conflict with adopted energy conservation plans?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the need for new or substantially altered power or natural gas utility systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
c) Create any significant effects on local or regional energy supplies and on requirements for additional energy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create any significant effects on peak and base period demands for electricity and other forms of energy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Comply with existing energy standards?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts to energy and mineral resources will be considered significant if any of the following criteria are met:

- The project conflicts with adopted energy conservation plans or standards.
- The project results in substantial depletion of existing energy resource supplies.
- An increase in demand for utilities impacts the current capacities of the electric and natural gas utilities.
- The project uses non-renewable resources in a wasteful and/or inefficient manner.

Discussion

VI. a) & e) PAR 1111 would provide manufacturers subject to Rule 1111 additional time to produce residential furnaces that meet the NOx emission limit of 14 ng/J, provide manufacturers an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD, and delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. Compliance with PAR 1111 means that the equipment, at the time of manufacture, will be equipped with compliant low NOx emissions technology that has been certified by the manufacturer to achieve the NOx emission standards or that a mitigation fee option has been paid.

Replacing existing equipment with new compliant equipment is expected to result in a slight reduction in demand for natural gas, as new burners are expected to be more efficient than existing affected equipment. As a result, PAR 1111 would not conflict with energy conservation plans, use non-renewable resources in a wasteful manner, or result in the need for new or substantially altered power or natural gas systems. Since PAR 1111 would affect equipment that is primarily located in existing residential and/or commercial areas, it will not conflict with adopted energy conservation plans because existing structures where new compliant units or mitigation fee units would be installed would be expected to continue implementing any existing energy conservation plans, because it is expected that compliant equipment will be just as or more efficient than existing equipment. Additionally, new equipment is expected to comply with existing energy conservation plans and standards to minimize operating costs, while still complying with the requirements of PAR 1111. Accordingly these impact issues will not be further analyzed in the Final EA.

VI. b), c) & d) PAR 1111 would not create any significant effects on peak and base period demands for electricity and other forms of energy since no construction of buildings or other structures are anticipated as a result of the installation of new compliant equipment that utilizes low NOx burner technology or with the installation of mitigation fee units.

The universe of sources that would be regulated by PAR 1111 is fired with natural gas. As discussed in the air quality section regarding GHG emissions, due to low NOx emission technology used in the new compliant units, implementation of PAR 1111 is expected to result in a slight decrease in the demand for natural gas. Mitigation fee units are likely to use a similar amount of natural gas as current residential furnaces use. Based upon these considerations, the proposed project is not expected to use energy in a wasteful manner. There will be no substantial depletion of energy resources nor will significant amounts of fuel be needed when compared to existing supplies. Additionally, the proposed amended rule will not change the current natural gas-fired furnace distribution system and will not change the replacement schedule of existing furnaces.

PAR 1111 is not expected to generate significant adverse energy resources impacts and will not be discussed further in this Final EA. Since no significant energy impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
VII. GEOLOGY AND SOILS. Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
• Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
c) Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts on the geological environment will be considered significant if any of the following criteria apply:

- Topographic alterations would result in significant changes, disruptions, displacement, excavation, compaction or over covering of large amounts of soil.
- Unique geological resources (paleontological resources or unique outcrops) are present that could be disturbed by the construction of the proposed project.
- Exposure of people or structures to major geologic hazards such as earthquake surface rupture, ground shaking, liquefaction or landslides.
- Secondary seismic effects could occur which could damage facility structures, e.g., liquefaction.
- Other geological hazards exist which could adversely affect the facility, e.g., landslides, mudslides.

Discussion

VII. a) Southern California is an area of known seismic activity. Structures must be designed to comply with the Uniform Building Code Zone 4 requirements if they are located in a seismically active area. The local city or county is responsible for assuring that a proposed project complies with the Uniform Building Code as part of the issuance of the building permits and can conduct inspections to ensure compliance. The Uniform Building Code is considered to be a standard safeguard against major structural failures and loss of life. The goal of the code is to provide structures that will: 1) resist minor earthquakes without damage; 2) resist moderate earthquakes without structural damage but with some non-structural damage; and 3) resist major earthquakes without collapse but with some structural and non-structural damage.

The Uniform Building Code bases seismic design on minimum lateral seismic forces (“ground shaking”). The Uniform Building Code requirements operate on the principle that providing appropriate foundations, among other aspects, helps to protect buildings from failure during earthquakes. The basic formulas used for the Uniform Building Code seismic design require determination of the seismic zone and site coefficient, which represent the foundation conditions at the site. Accordingly, buildings and equipment at existing affected facilities are likely to conform with the Uniform Building Code and all other applicable state codes in effect at the time they were constructed.

No new buildings or structures are expected to be constructed in response to the proposed project, so no change in geological existing setting is expected. Additionally, no modification to existing equipment would be necessary. Therefore, PAR 1111 is not expected to affect a facility’s ability to continue to comply with any applicable Uniform Building Code requirements. Consequently, PAR 1111 is not expected to expose persons or property to geological hazards such as earthquakes, landslides, mudslides, ground failure, or other natural hazards. As a result, substantial exposure of people or structure to the risk of loss, injury, or death involving seismic-related activities is not anticipated and will not be further analyzed in this Final EA.

VII. b), c), d) & e) Since PAR 1111 would affect primarily existing facilities and would not be the cause of any new construction, it is expected that the soil types present at the affected facilities that are susceptible to expansion or liquefaction would be considered part of the existing setting. New subsidence impacts are not anticipated since no excavation, grading, or fill activities will occur at affected facilities. Further, the proposed project does not involve drilling or removal of underground products (e.g., water, crude oil, et cetera) that could produce new, or make worse existing subsidence effects. Additionally, the affected areas are not envisioned to be prone to new risks from landslides or have unique geologic features, since the affected facilities are located in residential or commercial areas where such features have already been altered or removed. Finally, since adoption of PAR 1111 would be expected to affect operations at primarily existing facilities, the proposed project is not expected to alter or make worse any existing potential for subsidence, liquefaction, etc.

Based on the above discussion, the proposed project is not expected to have an adverse impact on geology or soils. Since no significant adverse impacts are anticipated, this environmental topic will not be further analyzed in the Final EA. No mitigation measures are necessary or required.



	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
VIII. HAZARDS AND HAZARDOUS MATERIALS. Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, and disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions, or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public use airport or a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Significantly increased fire hazard in areas with flammable materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts associated with hazards will be considered significant if any of the following occur:

- Non-compliance with any applicable design code or regulation.
- Non-conformance to National Fire Protection Association standards.

- Non-conformance to regulations or generally accepted industry practices related to operating policy and procedures concerning the design, construction, security, leak detection, spill containment or fire protection.
- Exposure to hazardous chemicals in concentrations equal to or greater than the Emergency Response Planning Guideline (ERPG) 2 levels.

Discussion

VIII. a, b) & c) The proposed project will not create a significant hazard to the public or the environment through the routine transport, use, and disposal of hazardous materials, due to the fact that the proposed amendments do not require the transport, use, and disposal of hazardous materials. Based on the fact that the proposed rules do not require the transport, use and disposal of hazardous materials, PAR 1111 will not create a significant hazard to the public or environment through a reasonably foreseeable release of these materials into the environment.

The proposed amendments affect the manufacture of residential gas-fired furnaces. Therefore, there is little likelihood that affected facilities will emit new hazardous emissions or handle hazardous materials, substances or waste within one-quarter mile of an existing or proposed school as a result of implementing the proposed project. The affected facilities are typically located in residential or commercial areas, but the proposed project does not introduce any hazardous materials, so the existing setting does not change. It is expected that the proposed amendments would improve air quality and visibility over time and, would do likewise for any existing or proposed schools within one-quarter mile of affected facilities.

VIII. d) It is not anticipated that complying with PAR 1111 will alter in any way how operators of affected equipment manage their hazardous wastes. Government Code §65962.5 typically refers to a list of facilities that may be subject to Resource Conservation and Recovery Act (RCRA) permits. For any facilities affected by the proposed project that are on the Government Code §65962.5 list, it is anticipated that they would continue to manage any and all hazardous materials and hazardous waste, in accordance with federal, state and local regulations.

VIII. e) Since PAR 1111 affects residential natural gas-fired furnaces, implementation of PAR 1111 is not expected to increase or create any new hazardous emissions in general, which could adversely affect public/private airports located in close proximity to the affected sites. Implementation of PAR 1111 is not expected to create any additional safety hazards for people residing or working in the project area.

VIII. f) The proposed project will not impair implementation of, or physically interfere with any adopted emergency response plan or emergency evacuation plan. The units affected by PAR 1111 are primarily located in residential settings. However, some affected units may be located in small commercial settings. For these cases, any existing commercial facilities affected by the proposed project will typically have their own emergency response plans. Any new facilities will be required to prepare emergency response and evacuation plans as part of the land use permit review and approval process conducted by local jurisdictions for new development. Emergency response plans are typically prepared in coordination with the local city or county emergency plans to ensure the safety of not only the public (surrounding local communities), but the facility employees as well. Since the proposed project does not involve the change in current uses of any hazardous materials, or generate any new hazardous waste, no changes to emergency response plans are anticipated.

Health and Safety Code §25506 specifically requires all businesses handling hazardous materials to submit a business emergency response plan to assist local administering agencies in the emergency release or threatened release of a hazardous material. Business emergency response plans generally require the following:

1. Identification of individuals who are responsible for various actions, including reporting, assisting emergency response personnel and establishing an emergency response team;
2. Procedures to notify the administering agency, the appropriate local emergency rescue personnel, and the California Office of Emergency Services;
3. Procedures to mitigate a release or threatened release to minimize any potential harm or damage to persons, property or the environment;
4. Procedures to notify the necessary persons who can respond to an emergency within the facility;
5. Details of evacuation plans and procedures;
6. Descriptions of the emergency equipment available in the facility;
7. Identification of local emergency medical assistance; and
8. Training (initial and refresher) programs for employees in:
 - a. The safe handling of hazardous materials used by the business;
 - b. Methods of working with the local public emergency response agencies;
 - c. The use of emergency response resources under control of the handler; and
 - d. Other procedures and resources that will increase public safety and prevent or mitigate a release of hazardous materials.

In general, every county or city and all facilities using a minimum amount of hazardous materials are required to formulate detailed contingency plans to eliminate, or at least minimize, the possibility and effect of fires, explosion, or spills. In conjunction with the California Office of Emergency Services, local jurisdictions have enacted ordinances that set standards for area and business emergency response plans. These requirements include immediate notification, mitigation of an actual or threatened release of a hazardous material, and evacuation of the emergency area. Adopting PAR 1111 is not expected to hinder in any way with the above business emergency response plan requirements.

VIII. g) Although there will be the use of natural gas for fueling the equipment, existing equipment already uses natural gas. The proposed amended rule has no provisions that dictate the use of, or generate any new hazardous material. Since the affected units will primarily be located in residential areas where wildlands are typically not prevalent, risk of loss or injury associated with wildland fires is not expected as a result of implementing PAR 1111.

VIII. h) Affected facilities must comply with all local and county requirements for fire prevention and safety. The proposed project does not require any activities which would be in conflict with fire prevention and safety requirements, and thus would not create or increase fire hazards at these existing facilities.

Pursuant to local and county fire prevention and safety requirements, facilities are required to maintain appropriate site management practices to prevent fire hazards. PAR 1111 will not interfere with fire prevention practices.

In conclusion, potentially significant adverse hazard or hazardous material impacts resulting from adopting and implementing PAR 1111 are not expected and will not be considered further. No mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
IX. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards, waste discharge requirements, exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board, or otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g. the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in substantial erosion or siltation on- or off-site or flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
d) Create or contribute runoff water which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Place housing or other structures within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map, which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam, or inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Require or result in the construction of new water or wastewater treatment facilities or new storm water drainage facilities, or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Potential impacts on water resources will be considered significant if any of the following criteria apply:

Water Demand:

- The existing water supply does not have the capacity to meet the increased demands of the project, or the project would use more than 262,820 gallons per day of potable water.
- The project increases demand for total water by more than five million gallons per day.

Water Quality:

- The project will cause degradation or depletion of ground water resources substantially affecting current or future uses.
- The project will cause the degradation of surface water substantially affecting current or future uses.
- The project will result in a violation of National Pollutant Discharge Elimination System (NPDES) permit requirements.
- The capacities of existing or proposed wastewater treatment facilities and the sanitary sewer system are not sufficient to meet the needs of the project.
- The project results in substantial increases in the area of impervious surfaces, such that interference with groundwater recharge efforts occurs.
- The project results in alterations to the course or flow of floodwaters.

Discussion

The expected options for compliance with the proposed future NO_x emission limits will involve the installation of new compliant equipment at the end of the current equipment's useful life or the payment of a mitigation fee by the furnace manufacturer. No additional water demand or wastewater generation is expected to result from the operation of the units equipped with low NO_x burners at the affected equipment locations because this type of control technology does not entail the use of water in the NO_x control process. Further, PAR 1111 has no provision that would require the construction of additional water resource facilities, increase the need for new or expanded water entitlements, or alter existing drainage patterns. The proposed project would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge. PAR 1111 would not create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Further, since compliance with PAR 1111 does not involve wastewater processes, there would be no change in the composition or volume of existing wastewater streams from the affected facilities. In addition, the proposed amended rule is not expected to require additional wastewater disposal capacity, violate any water quality standard or wastewater discharge requirements, or otherwise substantially degrade water quality.

IX. a), f), k), l), & o) Complying with the proposed project will not change existing operations at affected equipment locations, nor would it result in generation of increased volumes of wastewater because the low NO_x burners do not require water as part of the NO_x control process. As a result, there are no potential changes in wastewater volume or composition expected from units complying with the requirements in PAR 1111. Further, PAR 1111 is not expected to cause affected equipment locations to violate any water quality standard or wastewater discharge requirements since there would be no wastewater volumes generated as a result of implementing with PAR 1111. PAR 1111 is not expected to have significant adverse water demand or water quality impacts for the following reasons:

- The proposed project does not increase demand for water by more than 5,000,000 gallons per day.
- The proposed project does not require construction of new water conveyance infrastructure.
- The proposed project does not create a substantial increase in mass inflow of effluents to public wastewater treatment facilities.
- The proposed project does not result in a substantial degradation of surface water or groundwater quality.
- The proposed project does not result in substantial increases in the area of impervious surfaces, such that interference with groundwater recharge efforts occurs.
- The proposed project does not result in alterations to the course or flow of floodwaters.

IX. b) & n) Because the NO_x control process of the burners in the equipment affected by PAR 1111 does not rely on water, no increase to any affected facilities' existing water demand is expected. Because low NO_x burner technology does not utilize water, implementation of PAR 1111 will not increase demand for, or otherwise affect groundwater supplies or interfere with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level. In addition, implementation of PAR 1111 will not increase demand for water from existing entitlements and resources, and will not require new or expanded entitlements. Since equipment affected by PAR 1111 generally occur in existing structures, no paving is required that might interfere with groundwater recharge. Therefore, no water demand impacts are expected as the result of implementing PAR 1111.

IX. c), d), & e) Implementation of PAR 1111 will occur at primarily existing structures, or areas that that are typically located in residential or commercial areas that are paved and may have drainage infrastructures in place. Since PAR 1111 does not involve any construction activities, no impacts to storm water runoff, drainage patterns, groundwater characteristics, or flow are expected. Therefore, these impact areas are not expected to be affected by PAR 1111.

IX. g), h), i), & j) The proposed project will not require construction of new housing, contribute to the construction of new building structures, or require modifications or changes to existing structures. Further, PAR 1111 is not expected to require additional workers at affected equipment locations. Therefore, PAR 1111 is not expected to generate construction of any new structures in 100-year flood areas as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood delineation map. As a result, PAR 1111 is not expected to expose people or structures to significant new flooding risks, or make worse any existing flooding risks. Finally, PAR 1111 will not affect in any way any potential flood hazards inundation by seiche, tsunami, or mud flow that may already exist relative to existing facilities or create new hazards at existing facilities.

IX. m) PAR 1111 will not increase storm water discharge, since no construction activities are expected at affected equipment locations. Further, no new areas at existing equipment locations are expected to be paved, so the proposed project will not increase storm water runoff during operation. Therefore, no new storm water discharge treatment facilities or modifications to existing facilities

will be required due to the implementation of PAR 1111. Accordingly, PAR 1111 is not expected to generate significant adverse impacts relative to construction of new storm water drainage facilities.

Based upon these considerations, significant hydrology and water quality impacts are not expected from the implementation of PAR 1111 and will not be further analyzed in this Final EA. Since no significant hydrology and water quality impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
X. LAND USE AND PLANNING.				
Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Land use and planning impacts will be considered significant if the project conflicts with the land use and zoning designations established by local jurisdictions.

Discussion

X. a) PAR 1111 would only affect the manufacture of combustion equipment that would be primarily at existing equipment locations. The expected options for compliance with the proposed future NOx emission limits in PAR 1111 will involve the installation of new compliant equipment at the end of the equipment’s useful life or the payment of a mitigation fee option. Since PAR 1111 affects equipment primarily operating at existing equipment locations, it does not include any components that would require physically dividing an established community.

X. b) There are no provisions in PAR 1111 that would affect land use plans, policies, or regulations. Land use and other planning considerations are determined by local governments and no land use or planning requirements would be altered by the new requirements for residential furnaces. Therefore, as already noted in the discussion under “Biological Resources,” PAR 1111 would not affect in any habitat conservation or natural community conservation plans, agricultural resources or operations, and would not create divisions in any existing communities. Present or planned land uses in the region would not be significantly adversely affected as a result of implementing the proposed amended rule.

Based upon these considerations, significant adverse land use and planning impacts are not expected from the implementation of PAR 1111 and will not be further analyzed in this Final EA. Since no significant land use and planning impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
XI. MINERAL RESOURCES. Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Project-related impacts on mineral resources will be considered significant if any of the following conditions are met:

- The project would result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state.
- The proposed project results in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan.

Discussion

XI. a) & b) There are no provisions in PAR 1111 that would result in the loss of availability of a known mineral resource of value to the region and the residents of the state, or of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan. Some examples of mineral resources are gravel, asphalt, bauxite, and gypsum, which are commonly used for construction activities or industrial processes. Since the proposed project only affects the manufacture of natural gas-fired furnaces, PAR 1111 does not require and would not have any effects on the use of important minerals, such as those described above. Therefore, no new demand for mineral resources is expected to occur and significant adverse mineral resources impacts from implementing PAR 1111 are not anticipated.

Based upon these aforementioned considerations, significant mineral resources impacts are not expected from the implementation of PAR 1111. Since no significant mineral resources impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
XII. NOISE. Would the project result in:				
a) Exposure of persons to or generation of permanent noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public use airport or private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Noise impact will be considered significant if:

- Construction noise levels exceed the local noise ordinances or, if the noise threshold is currently exceeded, project noise sources increase ambient noise levels by more than three decibels (dBA) at the site boundary. Construction noise levels will be considered significant if they exceed federal Occupational Safety and Health Administration (OSHA) noise standards for workers.
- The proposed project operational noise levels exceed any of the local noise ordinances at the site boundary or, if the noise threshold is currently exceeded, project noise sources increase ambient noise levels by more than three dBA at the site boundary.

Discussion

XII. a) PAR 1111 would provide manufacturers subject to Rule 1111 additional time to produce residential furnaces that meet the NOx emission limit of 14 ng/J, provide manufacturers an option to pay a per unit mitigation fee for each condensing, non-condensing, weatherized and mobile home furnace distributed or sold into the SCAQMD, and delay the compliance date for condensing (high efficiency) units from October 1, 2014 until April 1, 2015. PAR 1111 would not require any new development or require major modifications to buildings or other structures to comply with the proposed amended rule that would generate noise. Any new compliant equipment or mitigation fee units installed would not be expected to generate noise above the existing setting. All of the affected activities occur within existing facilities. Thus, the proposed

project is not expected to expose persons to the generation of excessive noise levels above current levels because no change in current operations is expected to occur as a result of the proposed project. It is expected that any facility affected by PAR 1111 would continue complying with all existing local noise control laws or ordinances.

XII. b) PAR 1111 is not anticipated to expose people to or generate excessive groundborne vibration or groundborne noise levels since no construction activities are expected to occur at the existing equipment locations and the affected equipment are not inherently noisy or create excessive vibrations.

XII. c) A permanent increase in ambient noise levels at the affected equipment locations above existing levels and low NOx combustion technology is not typically a noise intensive technology. The proposed project is unlikely to occur because any new equipment that would be installed as part of implementing PAR 1111 will be replacing existing equipment with the same or similar noise profiles. Therefore, the existing noise levels are unlikely to change and raise ambient noise levels in the vicinities of the existing equipment locations to above a level of significance in response to implementing PAR 1111.

XII. d) Implementation of PAR 1111 would not require major construction activities. Even if affected equipment locations are located near a public/private airport, there are no new noise impacts expected from any of the existing equipment locations as a result of complying with the proposed project. Thus, PAR 1111 is not expected to expose people residing or working in the project vicinities to excessive noise levels. See also the response to item XII.a).

Based upon these considerations, significant adverse noise impacts are not expected from the implementation of PAR 1111 and are not further evaluated in this Final EA. Since no significant noise impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
XIII. POPULATION AND HOUSING.				
Would the project:				
a) Induce substantial growth in an area either directly (for example, by proposing new homes and businesses) or indirectly (e.g. through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts of the proposed project on population and housing will be considered significant if the following criteria are exceeded:

- The demand for temporary or permanent housing exceeds the existing supply.
- The proposed project produces additional population, housing or employment inconsistent with adopted plans either in terms of overall amount or location.

Discussion

XIII. a) Because the installation of new equipment only requires minimal labor, it is expected that workers can be drawn from the existing labor pool in southern California. Further, the proposed project is not anticipated to generate any significant effects, either direct or indirect, on the District's population or population distribution as no additional workers are anticipated to be required at equipment locations subject to the proposed amendments. Human population within the jurisdiction of the SCAQMD is anticipated to grow regardless of implementing PAR 1111. As such, PAR 1111 will not result in changes in population densities or induce significant growth in population.

XIII. b) Because the proposed project is primarily located in existing residential and/or commercial areas, PAR 1111 is not expected to result in the creation of any industry that would affect population growth, directly or indirectly induce the construction of single- or multiple-family units, or require the displacement of people elsewhere.

Based upon these considerations, significant adverse population and housing impacts are not expected from the implementation of PAR 1111 and are not further evaluated in this Final EA. Since no significant population and housing impacts were identified, no mitigation measures are necessary or required.

Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
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XIV. PUBLIC SERVICES. Would the proposal result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the following public services:

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
a) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts on public services will be considered significant if the project results in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response time or other performance objectives.

Discussion

XIV. a) & b) PAR 1111 would only affect combustion equipment located in primarily residential settings, however, the affected units may also be found in small commercial buildings. The expected options for compliance with the proposed future NOx emission limits in PAR 1111 will involve the installation of new equipment at the end of the equipment’s useful life with low NOx burners that will be compliant with fire department standards. Mitigation fee units installed will also be expected to be compliant with fire department standards. No other physical modifications or changes associated with the implementation of PAR 1111 are expected. The overall amount of natural gas at any one equipment location over their current levels is not expected to change substantially or increase the chances for fires or explosions that could affect local fire departments. Finally, PAR 1111 is not expected to increase the need for security at affected equipment locations, which could adversely affect local police departments.

Because the proposed project does not require or involve the use of new hazardous materials or generate new hazardous waste, it will not generate an emergency situation that would require additional fire or police protection, or impact acceptable service ratios or response times.

XIV. c) & d) As indicated in discussion under item XIII. Population and Housing, implementing PAR 1111 would not induce population growth or dispersion because no additional workers are expected to be needed at the existing affected facilities. Therefore, with no increase in local population anticipated as a result of adopting and implementing PAR 1111, additional demand for new or expanded schools or parks is also not anticipated. As a result, no significant adverse impacts are expected to local schools or parks.

Based upon these considerations, significant adverse public services impacts are not expected from the implementation of PAR 1111 and are not further evaluated in this Final EA. Since no significant public services impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
XV. RECREATION.				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment or recreational services?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts to recreation will be considered significant if:

- The project results in an increased demand for neighborhood or regional parks or other recreational facilities.
- The project adversely affects existing recreational opportunities.

Discussion

XV. a) & b) As discussed under “Land Use and Planning” above, there are no provisions in PAR 1111 that would affect land use plans, policies, or regulations. Land use and other planning considerations are determined by local governments. No land use or planning requirements would be altered by the adoption of PAR 1111, which only affects natural gas-fired furnaces. Further, PAR 1111 would not affect in any way affect district population growth or distribution (see Section XIII), in ways that could increase the demand for or use of existing neighborhood and regional parks or other recreational facilities or require the construction of new or expansion of existing recreational facilities that might have an adverse physical effect on the environment because it would not directly or indirectly increase or redistribute population.

Based upon these considerations, significant recreation impacts are not expected from the implementation of PAR 1111. Since no significant recreation impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
XVI. SOLID/HAZARDOUS WASTE.				
Would the project:				
a) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Comply with federal, state, and local statutes and regulations related to solid and hazardous waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

The proposed project impacts on solid/hazardous waste will be considered significant if the following occurs:

- The generation and disposal of hazardous and non-hazardous waste exceeds the capacity of designated landfills.

Discussion

XVI. a) & b) Compliance with PAR 1111 means installing new compliant units or replacing existing units at the end of their useful lifetime with units utilizing low NOx emissions technology or paying a mitigation fee option. Because affected equipment has a finite lifetime, it will ultimately have to be replaced at the end of its useful life. Affected equipment may be refurbished and used elsewhere or the scrap metal from replaced units has economic value and is expected to be recycled, so any solid or hazardous waste impacts specifically associated with PAR 1111 are expected to be minor. As a result, no substantial change in the amount or character of solid or hazardous waste streams is expected to occur. PAR 1111 is not expected to increase the volume of solid or hazardous wastes from affected facilities, require additional waste disposal capacity, or generate waste that does not meet applicable local, state, or federal regulations.

Based upon these considerations, PAR 1111 is not expected to increase the volume of solid or hazardous wastes that cannot be handled by existing municipal or hazardous waste disposal facilities, or require additional waste disposal capacity. Further, implementing PAR 1111 is not expected to interfere with any affected facility's ability to comply with applicable local, state, or federal waste disposal regulations. Since no solid/hazardous waste impacts were identified, no mitigation measures are necessary or required.

	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
XVII. TRANSPORTATION/TRAFFIC.				
Would the project:				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g. sharp curves or dangerous intersections) or incompatible uses (e.g. farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Significance Criteria

Impacts on transportation/traffic will be considered significant if any of the following criteria apply:

- Peak period levels on major arterials are disrupted to a point where level of service (LOS) is reduced to D, E or F for more than one month.
- An intersection's volume to capacity ratio increase by 0.02 (two percent) or more when the LOS is already D, E or F.
- A major roadway is closed to all through traffic, and no alternate route is available.
- The project conflicts with applicable policies, plans or programs establishing measures of effectiveness, thereby decreasing the performance or safety of any mode of transportation.
- There is an increase in traffic that is substantial in relation to the existing traffic load and capacity of the street system.
- The demand for parking facilities is substantially increased.
- Water borne, rail car or air traffic is substantially altered.
- Traffic hazards to motor vehicles, bicyclists or pedestrians are substantially increased.
- The need for more than 350 employees
- An increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round trips per day
- Increase customer traffic by more than 700 visits per day.

Discussion

XVII. a) & b) PAR 1111 affects equipment that is primarily located in existing residential and/or commercial areas and has no potential to adversely affect transportation. The expected options for compliance with the proposed future NO_x emission limits in PAR 1111 will involve the installation of new compliant equipment at the end of the equipment's useful life or the payment of a mitigation fee option by the manufacturer. PAR 1111 would have no effect on existing equipment locations that would change or cause additional transportation demands or services. The implementation of PAR 1111 is not expected to adversely affect circulation patterns on local roadways or the level of service at intersections near affected facilities. The proposed amended rule will not change the current natural gas-fired furnace distribution system and will not change the replacement schedule of existing furnaces. Finally, no construction-related activities are expected to be associated with installing compliant or mitigation fee equipment.

Since no construction-related trips and no additional operational-related trips per facility are anticipated, the adoption of PAR 1111 is not expected to significantly adversely affect circulation patterns on local roadways or the level of service at intersections near affected facilities. Since no construction is required, no significant construction traffic impacts are anticipated.

XVII. c) The expected option for compliance with the proposed future NO_x emission limits in PAR 1111 will involve the installation of new compliant equipment with low NO_x emissions technology or the payment of a mitigation fee option by the manufacturer. However, PAR 1111 will not require operators of existing equipment to construct buildings or other structures that could interfere with flight patterns so the height and appearance of the existing structures are not expected to change. Therefore, implementation of PAR 1111 is not expected to adversely affect air traffic patterns. Further, PAR 1111 will not affect in any way air traffic in the region because it will not require transport of any materials by air.

XVII. d) No physical modifications are expected to occur by implementing PAR 1111. Therefore, no offsite modifications to roadways are anticipated for the proposed project that would result in an additional design hazard or incompatible uses.

XVII. e) Any equipment replacements associated with implementing PAR 1111 will likely occur in or about the same location within the confines of each existing equipment location such that no changes to emergency access at or in the vicinity of the affected equipment locations would be expected. As a result, PAR 1111 is not expected to adversely impact emergency access.

XVII. f) No changes to the parking capacity at or in the vicinity of the affected equipment locations are expected. Further, PAR 1111 is not expected to require additional workers, so additional parking capacity will not be required. Therefore, PAR 1111 is not expected to adversely impact on- or off-site parking capacity. PAR 1111 has no provisions that would conflict with alternative transportation, such as bus turnouts, bicycle racks, et cetera.

Based upon these considerations, PAR 1111 is not expected to generate significant adverse project-specific or cumulative transportation/traffic impacts and, therefore, this topic will not be considered further. Since no significant transportation/traffic impacts were identified, no mitigation measures are necessary or required.



	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
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XVIII. MANDATORY FINDINGS OF SIGNIFICANCE.

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	Potentially Significant Impact	Less Than Significant With Mitigation	Less Than Significant Impact	No Impact
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Does the project have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

XVIII. a) As discussed in the “Biological Resources” section, PAR 1111 is not expected to significantly adversely affect plant or animal species or the habitat on which they rely because the affected equipment is primarily located in existing residential and/or commercial areas which have already been greatly disturbed and that currently do not support such habitats. Additionally, special status plants, animals, or natural communities are not expected to be found within close proximity to the facilities affected by PAR 1111.

XVIII. b) Based on the foregoing analyses, cumulative impacts in conjunction with other projects that may occur concurrently with or subsequent to the proposed project are not expected to adversely impact any environmental topic. Related projects to the currently proposed project include existing and proposed amended rules and regulations, as well as AQMP control measures, which produce emission reductions from most industrial and commercial sectors. Furthermore, because PAR 1111 does not generate project-specific impacts, cumulative impacts are not considered to be "cumulatively considerable" as defined by CEQA guidelines §15065(a)(3). For example, the environmental topics checked ‘No Impact’ (e.g., aesthetics, agriculture resources, air quality, biological resources, cultural resources energy, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, solid/hazardous waste and transportation and traffic) would not be expected to make any contribution to potential cumulative impacts whatsoever. Also, in the case of air quality impacts, the net effect of implementing the proposed project with other proposed amended rules and regulations, and AQMP control measures is an overall reduction in District-wide emissions (with the use of the mitigation fees for emission reduction projects), thus, contributing to the attainment of state and national ambient air quality standards. Therefore, it is concluded that PAR 1111 has no potential for significant cumulative or cumulatively considerable impacts in any environmental areas.

XVIII. c) Based on the foregoing analyses, PAR 1111 is not expected to cause significant adverse effects to human beings. Significant adverse air quality impacts are not expected from

the implementation of PAR 1111. Based on the preceding analyses, no significant adverse impacts to aesthetics, agriculture resources, biological resources, cultural resources, energy, geology and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, solid/hazardous waste and transportation and traffic are expected as a result of the implementation of PAR 1111.

As discussed in items I through XVIII above, the proposed project would have no potential to cause significant adverse environmental effects.

APPENDIX A

PROPOSED AMENDED RULE 1111

ATTACHMENT F

(Adopted December 1, 1978)(Amended July 8, 1983)(Amended November 6, 2009)

~~(Draft — August 6, 2014 date of adoption)~~

PROPOSED AMENDED RULE 1111. — REDUCTION OF NO_x EMISSIONS FROM NATURAL-GAS-FIRED, FAN-TYPE CENTRAL FURNACES

(a) Purpose and Applicability

The purpose of this rule is to reduce NO_x emissions from natural gas-fired, fan-type central furnaces, as defined in this rule. This rule applies to manufacturers, distributors, sellers and installers of residential and commercial fan-type central furnaces, requiring either single-phase or three-phase electric supply, used for comfort heating with a rated heat input capacity of less than 175,000 BTU per hour, or, for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.

(b) Definitions

- (1) ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE) is defined in Section 10.1 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N.
- (2) BTU means British thermal unit or units.
- (3) CONDENSING FURNACE means a high-efficiency furnace that uses a second heat exchanger to extract the latent heat in the flue gas by cooling the combustion gasses to near ambient temperature so that water vapor condenses in the heat exchanger, is collected and drained.
- (4) FAN TYPE CENTRAL FURNACE is a self-contained space heater providing for circulation of heated air at pressures other than atmospheric through ducts more than 10 inches in length that have:
 - (A) a RATED HEAT INPUT CAPACITY of less than 175,000 BTU per hour; or
 - (B) for combination heating and cooling units, a cooling rate of less than 65,000 BTU per hour.
- (5) HEAT INPUT means the higher heating value of the fuel to the furnace measured as BTU per hour.

- (6) NO_x EMISSIONS means the sum of nitrogen oxide and nitrogen dioxide (oxides of nitrogen) in the flue gas, collectively expressed as nitrogen dioxide.
 - (7) RATED HEAT INPUT CAPACITY means the gross HEAT INPUT of the combustion device.
 - (8) RESPONSIBLE OFFICIAL means:
 - (A) For a corporation: a president or vice-president of the corporation in charge of a principal business function or a duly authorized person who performs similar policy-making functions for the corporation, or
 - (B) For a partnership or sole proprietorship: general partner or proprietor, respectively.
 - (9) SINGLE FIRING RATE means the burners and control system are designed to operate at only one fuel input rate and the control system cycles burners between the maximum heat output and no heat output.
 - (10) USEFUL HEAT DELIVERED TO THE HEATED SPACE is the AFUE (expressed as a fraction) multiplied by the heat input.
 - (11) VARIABLE FIRING RATE means the burners and control system are designed to operate at more than one fuel input rate and the control system cycles burners between two or more heat output rates and no heat output.
 - (12) WEATHERIZED means designed for installation outside of a building, equipped with a protective jacket and integral venting, and labeled for outdoor installation.
- (c) Requirements
- (1) A manufacturer shall not, after January 1, 1984, manufacture or supply for sale or use in the South Coast Air Quality Management District natural-gas-fired, fan-type central furnaces, unless such furnaces meet the requirements of paragraph (c)(3).
 - (2) A person shall not, after April 2, 1984, sell or offer for sale within the South Coast Air Quality Management District natural-gas-fired, fan-type central furnaces unless such furnaces meet the requirements of paragraph (c)(3).
 - (3) Natural-gas-fired, fan-type central furnaces shall:

- (A) not emit more than 40 nanograms of oxides of nitrogen (calculated as NO₂) per joule of useful heat delivered to the heated space; and
 - (B) be certified in accordance with subdivision (d) of this rule.
- (4) On or after October 1, 2012, a person shall not manufacture, supply, sell, offer for sale, or install, for use in the South Coast Air Quality Management District, natural-gas-fired, fan-type central furnaces subject to this rule, unless such furnace complies with the applicable emission limit and compliance date set forth in Table 1 and is certified in accordance with subdivision (d) of this rule.

Table 1 – Furnace NOx Limits and Compliance Schedule

Compliance Date	Equipment Category	NOx Emission Limit (nanograms/Joule *)
October 1, 2012	Mobile Home Furnace	40
October <u>April 1, 2014</u> 2015	Condensing Furnace	14
October 1, 2015	Non-condensing Furnace	14
October 1, 2016	Weatherized Furnace	14
October 1, 2018	Mobile Home Furnace	14

* Nanograms of oxides of nitrogen (calculated as NO₂) per joule of useful heat delivered to the heated space

(5) Any manufacturer of fan-type central furnaces regulated by this rule may elect to pay a per unit mitigation fee of \$200 for each condensing furnace and \$150 for each non-condensing, weatherized or mobile home furnace distributed or sold into the SCAQMD in lieu of meeting the 14 nanogram/Joule NOx emission limit in Table 1 of paragraph (c)(4) of this rule. A manufacturer may elect to pay the per unit mitigation fee for a time period of no more than 36 months after the applicable compliance date in Table 1 of paragraph (c)(4). A manufacturer shall submit an alternate compliance plan for each 12 month time period after the applicable compliance date during which the manufacturer elects to pay the mitigation fee in lieu of meeting the NOx emission limit.

(A) Any manufacturer electing to comply using this mitigation fee option shall submit to the SCAQMD an alternate compliance plan no later than 60 days prior to the applicable compliance date that includes the following:

- ~~(i) a letter with the name of the manufacturer requesting the mitigation fee compliance option signed by a responsible official identifying the category of fan-type central furnaces and the 12 month alternate compliance period that the mitigation fees cover;~~
- ~~(ii) an estimate of the quantity of applicable Rule 1111 fan-type central furnaces to be distributed or sold into the SCAQMD during the alternate compliance period, which estimate shall be based on total distribution and sales records or invoices of condensing, non-condensing, weatherized or mobile home fan-type central furnaces that were distributed or sold into the SCAQMD during the 12 month period of July 1 to June 30 prior to the applicable compliance date, along with supporting documentation;~~
- ~~(iii) a completed SCAQMD Form 400A with company name, identification that application is for an alternate compliance plan (section 7 of form), identification that the request is for the Rule 1111 mitigation fee compliance option (section 9 of form), and signature of the responsible official;~~
- ~~(iv) a check for payment of the alternate compliance plan filing fee (Rule 306, section (c)), ~~and~~~~
- ~~(v) ~~an additional separate check for payment of the mitigation fees for the applicable 12 month alternate compliance period.~~~~
- ~~(B) The manufacturer shall submit to the Executive Officer a report signed by the responsible official for the manufacturer identifying by model number the quantity of Rule 1111 fan-type central furnaces actually distributed or sold into SCAQMD and a check for payment of mitigation fees for the applicable 12 month alternate compliance period for the quantity of applicable Rule 1111 fan-type central furnaces distributed or sold into the SCAQMD during the alternate compliance period. ~~If the actual quantity of units distributed or sold into SCAQMD exceed the quantity estimated pursuant to subparagraph (e)(5)(A)(ii), the manufacturer shall submit, along with the report, payment of mitigations fees for each such additional unit in excess of the~~~~

~~estimated quantity. If the actual quantity of units distributed or sold into SCAQMD are less than the estimated quantity pursuant to subparagraph (c)(5)(A)(ii), the manufacturer may submit, along with the report, a request for reimbursement of mitigation fees paid for each additional unit in excess of the actual quantity distributed or sold into SCAQMD. The report, and the payment of additional mitigation fees, and the request for reimbursement must be submitted to the SCAQMD no later than thirty (30) days after the end of each 12-month mitigation fee alternate compliance period.~~

(d) Certification

- (1) The manufacturer shall have each appliance model tested in accordance with the following:
 - (A) Oxides of nitrogen measurements, test equipment, and other required test procedures shall be in accordance with AQMD Method 100.1.
 - (B) Operation of the furnace shall be in accordance with the procedures specified in Section 4.0 of Code of Federal Regulations, Title 10, Part 430, Subpart B, Appendix N.
- (2) One of the two formulas shown below shall be used to determine the nanograms of oxides of nitrogen per joule of useful heat delivered to the heated space:

$$N = \frac{4.566 \times 10^4 \times P \times U}{H \times C \times E}$$

$$N = \frac{3.655 \times 10^{10} \times P}{(20.9 - Y) \times Z \times E}$$

Where:

N = nanograms of emitted oxides of nitrogen per joule of useful heat.

P = concentration (ppm volume) of oxides of nitrogen in flue gas as tested.

U = volume percent CO₂ in water-free flue gas for stoichiometric combustion.

H = gross heating value of fuel, BTU/cu.ft. (60°F, 30-in. Hg).

C = measured volume percent of CO₂ in water-free flue gas, assuming complete combustion and no CO present.

E = AFUE, percent (calculated using Table 2).

Y = volume percent of O₂ in flue gas.

Z = heating value of gas, joules/cu. meter (0.0°C, 1 ATM).

- (3) At least 120 days prior to the date a furnace model is first shipped to a location in the AQMD for use in the District, the manufacturer shall submit to the Executive Officer the following:
- (A) A statement that the model is in compliance with subdivision (c). (The statement shall be signed by a responsible official and dated, and shall attest to the accuracy of all statements.)
 - (B) General Information
 - (i) Name and address of manufacturer.
 - (ii) Brand name.
 - (iii) Model number, as it appears on the furnace rating plate.
 - (C) A description of the furnace and specifications for each model being certified.
 - (D) Executive Officer approved emission test protocol and emission test results verifying compliance with the applicable NO_x limit specified in Table 1.
- (e) Identification of Compliant Units
- (1) The manufacturer of the furnace complying with subdivisions (c) and (d) shall display the following on the shipping container label and rating plate of the furnace:
 - (A) Model number;
 - (B) Heat input capacity;
 - (C) Applicable NO_x emission limit in Table 1; and
 - (D) Date of manufacture or date code.
 - (2) Any non-certified furnace shipped to a location in the South Coast Air Quality Management District for distribution or sale outside of the District shall have a label on the shipping container identifying the furnace as not certified for use in the District.
- (f) Enforcement
- The Executive Officer may periodically conduct such tests as are deemed necessary to ensure compliance with subdivision (c), (d), (e) and (h).

(g) Exemptions

- (1) The provisions of this rule shall not apply to furnaces installed in mobile homes before October 1, 2012.
- (2) For furnaces manufactured, purchased and delivered to the South Coast Air Quality Management District prior to the applicable compliance date in Table 1, any person may, until 300 days after the applicable compliance date, sell, offer for sale, or install such a furnace in the District, so long as the furnace meets the requirements of paragraph (c)(3) and subdivisions (d) and (e).

(h) Rebate Incentives for Early Compliance

Any manufacturer of natural gas-fired, fan-type central furnaces subject to this rule that distributes and sells into the District furnaces that comply with the 14 nanograms/Joule emission limit 90 days prior to the applicable compliance date in Table 1 of paragraph (c)(4) may submit a compliance plan for early compliance to the Executive Officer and to receive on a first-come first-served basis from the AQMD a rebate payment of \$75 for each 14 nanograms/Joule certified furnace and \$90 for each high efficiency 14 nanograms/Joule certified furnace with AFUE of 90% or greater distributed and sold into the District, provided funds are available on the date documentation on the number of units distributed and sold is submitted to the AQMD. Total rebate payments to all manufacturers shall not exceed \$3,000,000.

(i) Technology Assessment

On or before April 1, 2013, the Executive Officer shall conduct a technology assessment and shall report to the Governing Board on the status of manufacturers' progress towards compliance with the 14 nanograms/Joule emission limit for nitrogen oxides.

APPENDIX B

PAR 1111 RULE AMENDMENT INVENTORY

PAR 1111 Rule Amendment Inventory (6 month delay of condensing furnaces)

SOURCE: 2012 AQMP Source Category Emissions, SoCal Gas Inventory Data and 2010 Census Data

(Assumes mitigation fee offsets emissions from mitigation fee program)

BASELINE INVENTORY (HighEff @ EstCalifAvg; Emission and Emission Reductions (T/d))

	2002 Baseline	2014 Baseline	Baseline Used	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total tons per day	9.7	10.5	10.5	0.005	0.009	0.093	0.358	0.654	0.950	1.253	1.557	1.860	2.163	2.467	2.770	3.073	3.377	3.680	3.983
% Mobile		4 %		0.0047	0.0093	0.0140	0.019	0.023	0.028	0.033	0.037	0.042	0.047	0.051	0.056	0.061	0.065	0.070	0.075
									0.007	0.015	0.022	0.030	0.037	0.045	0.052	0.060	0.067	0.075	
% Condensing		15 %				0.0114	0.057	0.102	0.148	0.193	0.239	0.284	0.330	0.375	0.421	0.466	0.512	0.557	0.603
% Non-Condensing		71 %					0.054	0.269	0.485	0.700	0.915	1.131	1.346	1.561	1.777	1.992	2.208	2.423	2.638
% Weatherized		10 %						0.008	0.038	0.068	0.099	0.129	0.159	0.190	0.220	0.250	0.281	0.311	0.341
		100 %		0.005	0.009	0.025	0.129	0.403	0.698	1.002	1.305	1.608	1.912	2.215	2.518	2.822	3.125	3.428	3.732

ADJUSTED INVENTORY AFTER 6 MONTH DELAY (HighEff @ EstCalifAvg; Emission and Emission Reductions (T/d))

	2002 Baseline	2014 Baseline	Baseline Used	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total tons	9.7	10.5	10.5	0.005	0.009	0.093	0.358	0.654	0.950	1.253	1.557	1.860	2.163	2.467	2.770	3.073	3.377	3.680	3.983
% Mobile		4 %		0.0047	0.0093	0.0140	0.019	0.023	0.028	0.033	0.037	0.042	0.047	0.051	0.056	0.061	0.065	0.070	0.075
										0.007	0.015	0.022	0.030	0.037	0.045	0.052	0.060	0.067	0.075
% Condensing		15 %				0.0000	0.034	0.080	0.125	0.171	0.216	0.262	0.307	0.353	0.398	0.444	0.489	0.535	0.580
% Non-Condensing		71 %					0.054	0.269	0.485	0.700	0.915	1.131	1.346	1.561	1.777	1.992	2.208	2.423	2.638
% Weatherized		10 %						0.008	0.038	0.068	0.099	0.129	0.159	0.190	0.220	0.250	0.281	0.311	0.341
		100 %		0.005	0.009	0.014	0.107	0.380	0.676	0.979	1.282	1.586	1.889	2.192	2.496	2.799	3.102	3.406	3.709

Baseline - Adjusted Inventory: 0.057 - 0.034 = 0.023 tpd (46 lbs/day)

[↑ Back to Agenda](#)

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 33

PROPOSAL: Amend Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

SYNOPSIS: The proposed amendment seeks to make administrative changes to the rule by removing obsolete rule language, and making minor revisions and editorial corrections. The proposed amendment also adds new definitions to promote clarity and consistency, and further aligns the transfer efficiency equivalency requirements with the state suggested control measure.

COMMITTEE: Stationary Source, July 25, 2014; Reviewed

RECOMMENDED ACTION:

Adopt the attached resolution:

1. Determining that the proposed amendments to Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, are exempt from the requirements of the California Environmental Quality Act (CEQA); and
2. Amending Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations.

Barry R. Wallerstein, D.Env.
Executive Officer

Background

Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations - is a source specific rule that was adopted to reduce Volatile Organic Compound (VOC) emissions, toxic air contaminants, stratospheric ozone-depleting compounds, and global-warming compound emissions from automotive coating operations performed on motor vehicles, mobile equipment and associated parts or components for motor vehicles and mobile equipment.

The prior amendment to the rule on December 2, 2005, effectively split Rule 1151 into two parts with two subsequent effective dates for compliance. The first part of Rule 1151, the original rule, became effective on December 2, 2005, and remained in effect through June 30, 2008. The second part of Rule 1151, identified as Appendix A to the rule, became effective on July 1, 2008, superseding and making obsolete the first part of the rule. The two-part structure of Rule 1151 currently contains 18 pages of obsolete language immediately followed by 16 pages of currently effective rule language, identified as Appendix A. This structure continues to cause confusion to the regulated community.

Proposal

The proposed amendment seeks to make administrative changes to the rule to enhance the understanding of current applicable rule requirements by removing obsolete rule language, and making minor revisions and editorial corrections. The proposed amendment also adds new definitions to promote clarity and consistency, and further aligns the transfer efficiency equivalency requirements with the state suggested control measure. This staff proposal is administrative in nature and will not affect the current VOC limits or existing work practices. This proposed amendment is not expected to yield additional VOC reductions or increases. No socioeconomic impacts are anticipated from this proposal.

Key Issues

During the December 2, 2005, amendment to Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, an allowance for formulating automotive coatings with tertiary butyl acetate (TBAC) was incorporated by exempting TBAC as a VOC for automotive coatings other than color coatings and clear coatings, consistent with the state of California Suggested Control Measure (SCM). The SCM recommended the allowance of TBAC for all automotive coating formulations.

In addition, the December 2, 2005, amendment to Rule 1151 included a requirement for staff to conduct a technical assessment on the use of TBAC as a non-VOC by July 1, 2007. Staff was unable to conduct the technical assessment because no automotive coatings that contained TBAC were commercially available at that time. Further, staff research and discussions with the automotive refinishing industry indicate that TBAC-containing automotive coatings are not currently used in the SCAQMD.

Staff recently received correspondence from the Office of Environmental Health Hazards Assessment (OEHHA) indicating that they intend to complete a toxicity review of TBAC towards the end of 2014 or spring 2015. Staff proposes to revise the completion date of the technical assessment to December 31, 2016, to allow time to incorporate OEHHA's findings as part of the technical assessment for Rule 1151, provided there are automotive coatings that contain TBAC available to conduct the assessment.

Public Process

Over the past five months, staff has worked with the California Autobody Association, the California Small Business Alliance and the American Coatings Association, as well as other interested parties on the proposed amendment. A public workshop was held with industry representatives and interested stakeholders on May 28, 2014. Staff has incorporated feedback received into the proposed amendment.

California Environmental Quality Act (CEQA)

The SCAQMD has reviewed the proposed project pursuant to the California Environmental Quality Act (CEQA), in particular, CEQA Guidelines §15002 (k)(1) - General Concepts (Three Step Process) and CEQA Guidelines § 15061 – Review For Exemption, the first step of a three-step process for deciding which document to prepare for a project that is subject to CEQA. Because the proposed project does not impose new requirements that will create any significant adverse effects on air quality or any other environmental areas, the SCAQMD has determined that it can be seen with certainty that there is no possibility that the proposed project has the potential to have significant adverse effects on the environment. Therefore, the proposed project is exempt from CEQA pursuant to CEQA Guidelines § 15061 (b)(3).

A Notice of Exemption has been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. The Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties immediately following the adoption of the proposed project.

Socioeconomic Analysis

The proposed amendment codifies existing practices at Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations that are subject to Rule 1151. As such, there will be no additional costs or other socioeconomic impacts anticipated. Therefore, no socioeconomic analysis is required under Health and Safety Code § 40728.5.

Implementation and Resource Impact

Existing SCAQMD resources will be sufficient to implement the proposed amendment with minimal impact on the budget.

Attachments

- A. Summary of Proposal
- B. Rule Development Process
- C. Key Contacts List
- D. Resolution
- E. Proposed Amended Rule 1151 Language
- F. Final Staff Report
- G. Notice of Exemption

**ATTACHMENT A
SUMMARY OF PROPOSAL**

Proposed Amended Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

Remove obsolete rule language

The proposed amendment will remove 18 pages of expired rule language and retain the operative portion of the rule designated as Appendix A, while removing the designation as an appendix.

Add new definitions to promote clarity

The proposed amendment will add new definitions to the rule:

- Automotive Graphic Arts Operation
- Weld-Through Primer

Align transfer efficiency requirements with State Suggested Control Measure (SCM)

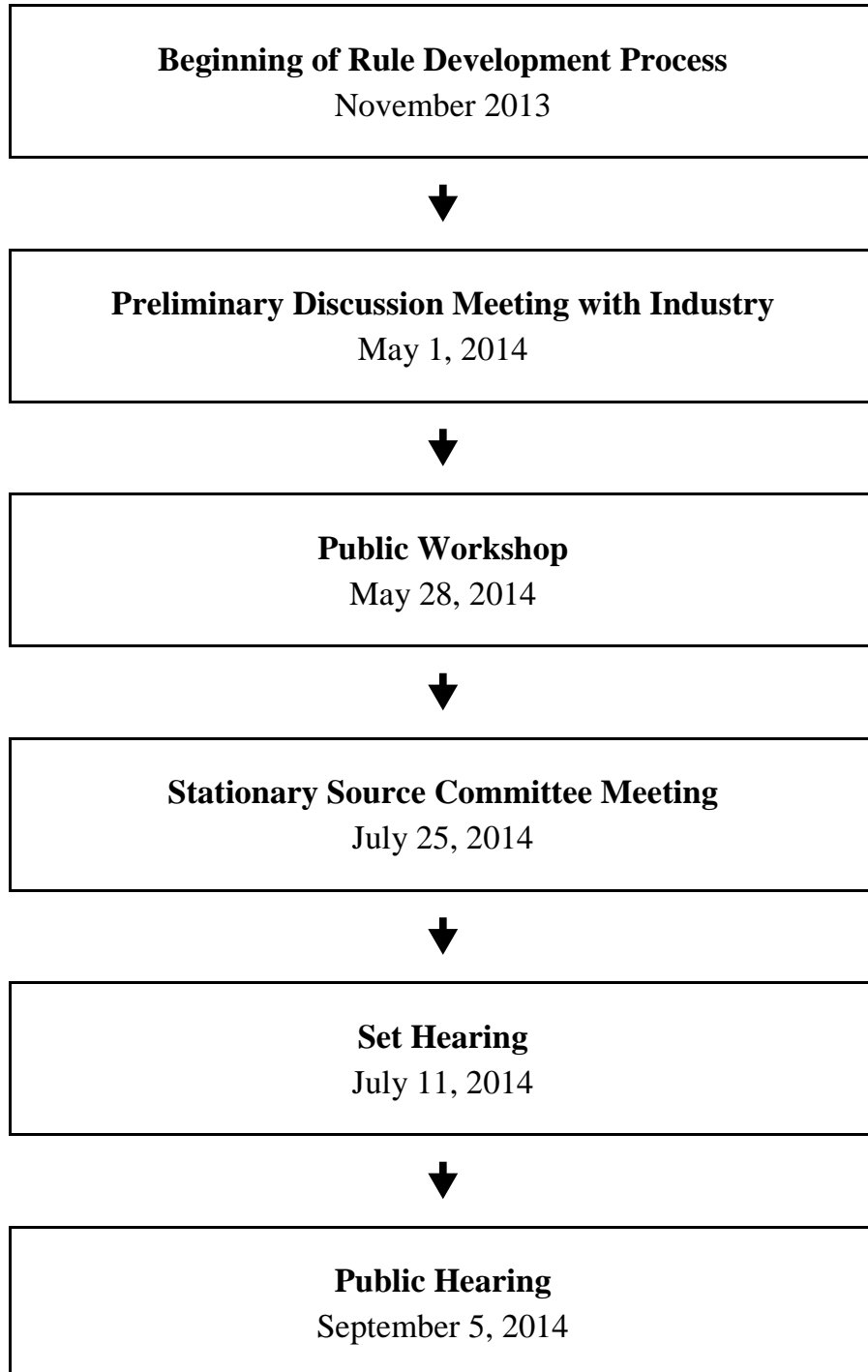
The proposed amendment will align the transfer efficiency requirements of the SCM to include the following:

- Spray Application equipment that meets HVLP in design
- Brush, Roller and Dip Coating Processes
- Automotive Graphic Arts Operations
- Truck Bed Liner and Underbody applications

Other Minor revisions and clarifications

- Extend the completion date for the Technical Assessment for TBAC to December 31, 2016
- Language consistency with other SCAQMD VOC rules
- Numbering, formatting and grammatical corrections

ATTACHMENT B
RULE DEVELOPMENT PROCESS
Proposed Amended Rule 1151 -
Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations



Ten (10) months spent in rule development

ATTACHMENT C
KEY CONTACTS LIST
Proposed Amended Rule 1151 -
Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

Automotive Coating Associations

- ✓ American Coatings Association (ACA)
- ✓ California Autobody Association (CAA)
- ✓ California Small Business Alliance (CSBA)

Spray Gun Manufacturers

- ✓ Devilbiss Automotive Refinishing
- ✓ Finishing Brands
- ✓ Graco Inc.
- ✓ SATA GmbH & Co. KG

Government Agencies

- ✓ California Air Resources Board (CARB)
- ✓ U.S. Environmental Protection Agency (USEPA)

Other Interested Parties

- ✓ Institute of Research and Technical Assistance (IRTA)
- ✓ J.R. Sandoval Enterprises & Consulting
- ✓ Kelly's Body Shop
- ✓ Madelyn K. Harding, Consultant
- ✓ Sherwin Williams Company

ATTACHMENT D
RESOLUTION NO. 2014-
Proposed Amended Rule 1151 -
Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

A Resolution of the South Coast Air Quality Management District (SCAQMD) Governing Board determining that the proposed amendments to Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, are exempt from the requirements of the California Environmental Quality Act (CEQA).

A Resolution of the SCAQMD Governing Board amending Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations.

WHEREAS, the SCAQMD Governing Board finds and determines that the proposed amendments to Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations are considered a "project" pursuant to the California Environmental Quality Act (CEQA); however, SCAQMD staff reviewed the proposed project and, because it can be seen with certainty that there is no possibility that the proposed project in question has the potential to have a significant adverse effect on the environment, it was determined that the proposed project is exempt from CEQA pursuant to CEQA Guidelines section 15061 (b)(3) - Review for Exemption (NOE); and

WHEREAS, the SCAQMD has had its regulatory program certified pursuant to Public Resources Code section 21080.5 and has conducted CEQA review and analysis pursuant to such program (Rule 110); and

WHEREAS, the SCAQMD has prepared a Notice of Exemption for Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations that is completed in compliance with CEQA Guidelines section 15002 (k)(1) - General Concepts, and section 15061 (b)(3) - Review for Exemption; and

WHEREAS, the Notice of Exemption, the September 5, 2014, Board letter, and other supporting documentation were presented to the SCAQMD Governing Board and the Governing Board has reviewed and considered the entirety of this information prior to approving the project; and

WHEREAS, the SCAQMD Governing Board has determined that a need exists to amend Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, to enhance readability and provide clarity of the rule language; and

WHEREAS, the SCAQMD Governing Board obtains its authority to amend this proposed amended rule from sections 39002, 40000, 40001, 40440, 40702 and 41508 of the California Health and Safety Code; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, as proposed to be amended is written or displayed so that its meaning can be easily understood by the persons directly affected by it; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, as proposed to be amended is in harmony with, and not in conflict with or contradictory to, existing federal or state statutes, court decisions, or regulations; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations does not impose the same requirements as any existing state or federal regulation and the proposed amendments to the rule are necessary and proper to execute the powers and duties granted to, and imposed upon, the SCAQMD; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations references the following statutes which the SCAQMD hereby implements, interprets or makes specific; Health and Safety Code sections 40001 (a) and (b) (air quality standards and air pollution episodes); 40702 (adoption of rules and regulations); and, 40440 (rules and regulations to carry out the air quality management plan and to require best available retrofit control technology); and

WHEREAS, the SCAQMD Governing Board has determined that a Socioeconomic Impact Assessment is not required, pursuant to Health and Safety Code section 40440.8 or section 40728.5, because the Proposed Amended Rule 1151 - Motor

Vehicle and Mobile Equipment Non-Assembly Line Coating Operations will not have a significant impact on air quality or emissions limitations; and

WHEREAS, a public hearing has been properly noticed in accordance with the provisions of Health and Safety Code section 40725; and

WHEREAS, the SCAQMD Governing Board has held a public hearing in accordance with all provisions of law; and

WHEREAS, the SCAQMD Governing Board specifies the manager of Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations as the custodian of the documents or other materials which constitute the record of proceedings upon which the adoption of this proposed amendments are based, which are located at the South Coast Air Quality Management District, 21865 Copley Drive, Diamond Bar, California; and

WHEREAS, the SCAQMD Governing Board finds and determines, taking into consideration the factors in section (d)(4)(D) of the Governing Board Procedures (to be codified as Section 30.5(4)(D) of the Administrative Code), that the modifications adopted which have been made to Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, since notice of public hearing was published do not significantly change the meaning of the proposed amended rule within the meaning of Health and Safety Code Section 40726; and

WHEREAS, the SCAQMD Governing Board has determined that Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, should be adopted for the reasons contained in the Final Staff Report; and

NOW, THEREFORE, BE IT RESOLVED, that the SCAQMD Governing Board does hereby determine, pursuant to the authority granted by law, that the proposed amendments to Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations are exempt from CEQA requirements pursuant to CEQA Guidelines section 15002 (k)(1) - General Concepts and section 15061 (b)(3) - Review for Exemption.

BE IT FURTHER RESOLVED, that the SCAQMD Governing Board does hereby adopt the proposed amendments to Rule 1151 - Motor Vehicle and Mobile

Equipment Non-Assembly Line Coating Operations pursuant to the authority granted by law as set forth in the attached and incorporated herein by reference.

BE IT FURTHER RESOLVED, that the South Coast Air Quality Management District Board requests that Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations be submitted into the State Implementation Plan.

BE IT FURTHER RESOLVED, that the Executive Officer is hereby directed to forward a copy of this Resolution and Proposed Amended Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations to the California Air Resources Board for approval and subsequent submittal to the U.S. Environmental Protection Agency for inclusion into the State Implementation Plan.

DATE: _____

CLERK OF THE BOARDS

ATTACHMENT E

(Adopted July 8, 1988)(Amended May 5, 1989)(Amended March 2, 1990)
(Amended June 28, 1990)(Amended November 2, 1990)(Amended December 7, 1990)
(Amended August 2, 1991)(Amended September 6, 1991)
(Amended December 9, 1994)(Amended March 8, 1996)
(Amended June 13, 1997)(Amended December 11, 1998)(Amended December 2, 2005)
(Proposed Amended September 5, 2014)

PROPOSED AMENDED RULE 1151. MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE COATING OPERATIONS

~~The provisions of subdivisions (a) through (i) of this rule shall sunset on June 30, 2008, and subdivisions (a) through (i) of Appendix A shall become effective on July 1, 2008.~~

~~(a) — Purpose and Applicability~~

~~The purpose of this rule is to reduce emissions of volatile organic compounds (VOC) and stratospheric ozone-depleting and global-warming compounds from coatings applied on Group I Vehicles and Equipment and Group II Vehicles, as defined in this rule, and their parts and components.~~

~~This rule applies to all commercial and non-commercial coating applications to Group I Vehicles and Equipment and Group II Vehicles and their parts and components at facilities involved in the non-assembly line production, modification, or refinishing of motor vehicles and mobile equipment. Commercial and non-commercial facilities with coating operations considered within the scope of this rule include, but are not limited to: autobody repair/paint shops, production autobody paint shops, new car dealer repair/paint shops, fleet operator repair/paint shops, custom-made car fabrication facilities, truck body-builders, and residences. Motor vehicle assembly line coating operations are subject to Rule 1115 — Motor Vehicle Assembly Line Coating Operations, whereas the application of coatings on a vehicle which is not self-propelled, such as trailers and mobile homes, are subject to other source-specific rules contained in Regulation XI.~~

~~(b) — Definitions~~

~~For the purposes of this rule, the following definitions shall apply:~~

- ~~(1) — ADHESION PROMOTER is a coating applied over both an existing non-sanded topcoat, and the coated area immediately adjacent to the non-~~

sanded topcoat, to promote the adhesion of a subsequent topcoat. No topcoat, primer, primer sealer, or primer surfacer shall be classified as an adhesion promoter.

- (2) ~~AEROSOL COATING PRODUCT is a pressurized coating product containing pigments or resins that dispenses product ingredients by means of a propellant, and is packaged in a disposable can for hand held application, or for use in specialized equipment for ground traffic/marketing applications.~~
- (3) ~~ANTI GLARE SAFETY COATING is a coating formulated to eliminate glare for safety purposes on interior surfaces of a vehicle and which shows a reflectance of 25 or less on a 60° gloss meter.~~
- (4) ~~BASECOAT is a pigmented topcoat which is the first topcoat applied as part of a multistage topcoat system.~~
- (5) ~~BASECOAT/CLEARCOAT TOPCOAT SYSTEM is a topcoat system composed of a basecoat portion and a clearcoat portion. The VOC content of a basecoat/clearcoat topcoat system shall be calculated according to the following formula:~~

$$VOC_{ms} = \frac{VOC_{bc} + 2 VOC_{cc}}{3}$$

Where:

- ~~VOC_{ms} is the composite VOC content, less water and less exempt compounds to be used for compliance determination under the multistage topcoat system coating category.~~
- ~~VOC_{bc} is the VOC content, less water and less exempt compounds as applied, of any given basecoat.~~
- ~~2 VOC_{cc} is two times the VOC content, less water and less exempt compounds as applied, of any given clearcoat.~~

- (6) ~~BRIGHT METAL TRIM REPAIR COATING is a coating applied directly to chrome plated metal surfaces for the purpose of appearance.~~
- (7) ~~BUS is any motor vehicle having a manufacturer's gross vehicle weight of more than 8600 pounds and which is designed primarily for the transportation of persons, and having a design capacity of over 12 persons.~~
- (8) ~~CLEARCOAT is a topcoat which contains no pigments or only transparent pigments and which is the final topcoat applied as a part of a multistage topcoat system.~~

- ~~(9) COATING is a material which is applied to a surface and which forms a film in order to beautify and/or protect such surface.~~
- ~~(10) ELASTOMERIC MATERIALS are coatings which are specifically formulated and applied over coated or uncoated flexible plastic substrates for the purpose of adhesion.~~
- ~~(11) ELECTROSTATIC APPLICATION is a method of applying coatings whereby the atomized coating droplets are charged and subsequently deposited on the substrate by electrostatic attraction.~~
- ~~(12) END USER is a person who applies coatings.~~
- ~~(13) EXEMPT COMPOUNDS (See Rule 102 Definition of Terms).~~
- ~~(14) GENERAL TOPCOAT is any type of topcoat except metallic/iridescent topcoat, and any topcoat applied as part of a multistage topcoat system.~~
- ~~(15) GRAMS OF VOC PER LITER OF COATING LESS WATER AND LESS EXEMPT COMPOUNDS, is the weight of VOC per combined volume of VOC and coating solids and shall be calculated by the following equation:~~

$$\text{Grams of VOC per Liter of Coating, Less Water and Less Exempt Compounds} = \frac{W_s - W_w - W_{es}}{V_m - V_w - V_{es}}$$

~~Where: W_s = weight of volatile compounds in grams
 W_w = weight of water in grams
 W_{es} = weight of exempt compounds in grams
 V_m = volume of material in liters
 V_w = volume of water in liters
 V_{es} = volume of exempt compounds in liters~~

- ~~(16) GRAMS OF VOC PER LITER OF MATERIAL is the weight of VOC per volume of material and shall be calculated by the following equation:~~

$$\text{Grams of VOC per Liter of Material} = \frac{W_s - W_w - W_{es}}{V_m}$$

~~Where: W_s = weight of volatile compounds in grams
 W_w = weight of water in grams
 W_{es} = weight of exempt compounds in grams~~

V_m = volume of material in liters

- (17) — ~~GROUP I VEHICLES AND EQUIPMENT~~ are large sized trucks, buses, and mobile equipment.
- (18) — ~~GROUP II VEHICLES~~ are passenger cars, small sized trucks and vans, medium sized trucks and vans, motor homes, and motorcycles.
- (19) — ~~HIGH VOLUME, LOW PRESSURE (HVLP) SPRAY~~ is an equipment used to apply coatings by means of a spray gun which is designed to be operated and which is operated between 0.1 and 10 pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns.
- (20) — ~~HIGHWAY~~ is a way or place of whatever nature, publicly maintained and open to the public for purposes of vehicular travel. Highway includes street.
- (21) — ~~IMPACT RESISTANT COATING~~ is any coating applied to a rocker panel for the purpose of chip resistance to road debris.
- (22) — ~~METALLIC/IRIDESCENT TOPCOAT~~ is a topcoat which contains iridescent particles, composed of either metal as metallic particles or silicon as mica particles, in excess of 5 g/L (0.042 lb/gal) as applied, where such particles are visible in the dried film.
- (23) — ~~MIDCOAT~~ is a semi-transparent topcoat which is the middle topcoat applied as part of a three-stage topcoat system.
- (24) — ~~MOBILE EQUIPMENT~~ is self-propelled equipment which is physically capable of being driven on a highway. Mobile Equipment includes, but is not limited to: construction (mobile crane, bulldozer, concrete mixer), farming (wheel tractor, plow, pesticide sprayer), and miscellaneous (street cleaners, golf carts, hauling equipment used inside and around an airport, dock, depot, and industrial and commercial plants).
- (25) — ~~MOTOR HOME~~ is any motor vehicle originally designed, or permanently altered, and equipped for human habitation as defined in Section 362 of the California Vehicle Code.
- (26) — ~~MOTOR VEHICLE~~ is a vehicle which is self-propelled and which is physically capable of being driven on a highway.
- (27) — ~~MOTORCYCLE~~ is any motor vehicle other than a tractor having a seat or saddle for the use of the rider and designed to travel on not more than three wheels in contact with the ground and weighing less than 1500

pounds, except that four wheels may be in contact with the ground when two of the wheels are a functional part of a sidecar.

- (28) ~~MULTI COLORED TOPCOAT~~ is a coating which exhibits more than one color when applied, and which is packaged in a single container and applied in a single coat.
- (29) ~~MULTI COLORED MULTISTAGE TOPCOAT SYSTEM~~ is a basecoat/clearcoat topecoat system in which the basecoat portion is a multi-colored topecoat.
- (30) ~~MULTISTAGE TOPCOAT SYSTEM~~ is any basecoat/clearcoat topecoat system or any three stage topecoat system, manufactured as a system, and used as specified by the manufacturer.
- (31) ~~PASSENGER CAR~~ is any motor vehicle designed primarily for transportation of persons and having a design capacity of 12 persons or less.
- (32) ~~PRETREATMENT COATING~~ is a coating which contains no more than 16 percent solids, by weight, and at least 1/2 percent acid, by weight, is used to provide surface etching, and is applied directly to bare metal surfaces to provide corrosion resistance and promote adhesion for subsequent coatings.
- (33) ~~PRIMER~~ is a coating applied for purposes of corrosion resistance or adhesion of subsequent coatings.
- (34) ~~PRIMER SEALER~~ is a coating applied prior to the application of a topecoat for the purpose of color uniformity, or to promote the ability of an underlying coating to resist penetration by the topecoat.
- (35) ~~PRIMER SURFACER~~ is a coating applied for the purpose of corrosion resistance or adhesion, and which promotes a uniform surface by filling in surface imperfections.
- (36) ~~PROTOTYPE MOTOR VEHICLE~~ is a motor vehicle whose design is the first of its kind and which is manufactured for public display to collect public opinion for potential assembly line production.
- (37) ~~ROCKER PANEL~~ is the panel area of a motor vehicle which is no more than ten inches from the bottom of a door, quarter panel or fender.
- (38) ~~RUBBERIZED ASPHALTIC UNDERBODY COATING~~ is a coating applied to wheel wells, the inside of door panels or fenders, the underside of a trunk or hood, or the underside of the motor vehicle itself, for the purpose of sound deadening or protection.

- (39) ~~SOLVENT CLEANING OPERATIONS~~ is the removal of loosely held uncured adhesives, uncured inks, uncured coatings, and contaminants which include, but are not limited to, dirt, soil, and grease from parts, products, tools, machinery, equipment, and general work areas. Each distinct method of cleaning in a cleaning process which consists of a series of cleaning methods shall constitute a separate solvent cleaning operation.
- (40) ~~SPECIALTY COATING~~ is any of the following coatings: adhesion promoters, uniform finish blenders, elastomeric materials, anti glare safety coatings, impact resistant coatings, rubberized asphaltic underbody coatings, water hold out coatings, weld thru coatings, and bright metal trim repair coatings.
- (41) ~~SPOT REPAIRS~~ are repairs to motor vehicles in which the damaged area to be repaired is limited to only a portion of any given panel so that an entire panel need not be repaired.
- (42) ~~STENCIL COATING~~ is an ink or a pigmented coating which is rolled or brushed onto a template or a stamp in order to add identifying letters, symbols, and/or numbers to motor vehicles, mobile equipment, or their parts and components.
- (43) ~~THREE STAGE TOPCOAT SYSTEM~~ is a topcoat system composed of a basecoat portion, a midcoat portion and a transparent clearcoat portion. The VOC content of a three stage topcoat system shall be calculated according to the following formula:

$$\frac{VOC_{ms}}{4} = \frac{VOC_{bc} + VOC_{mc} + 2 VOC_{cc}}{4}$$

Where:

VOC_{ms} is the composite VOC content, less water and less exempt compounds to be used for compliance determination under the multistage topcoat system coating category.

VOC_{bc} is the VOC content, less water and less exempt compounds as applied, of any given basecoat.

VOC_{mc} is the VOC content, less water and less exempt compounds as applied, of any given midcoat.

$2 \cdot VOC_{cc}$ is two times the VOC content, less water and less exempt compounds as applied, of any given clearcoat.

- (44) ~~TOPCOAT is a coating applied over any coating, for the purpose of appearance, identification, or protection.~~
- (45) ~~TOUCH UP COATING is a coating applied by brush, air brush, or non-refillable aerosol can to cover minor surface damage and dispensed in containers of no more than eight (8) ounces.~~
- (46) ~~TRANSFER EFFICIENCY is the ratio of the weight of coating solids deposited on an object to the total weight of coating solids used in a coating application step, expressed as a percentage.~~
- (47) ~~TRUCK is a motor vehicle designed, used, or maintained primarily for the transportation of property.~~
- (A) ~~LARGE SIZED TRUCK is a truck having a manufacturer's gross vehicle weight rating of more than 8600 pounds.~~
- (B) ~~MEDIUM SIZED TRUCK is a truck having a manufacturer's gross vehicle weight of 6001 to 8600 pounds.~~
- (C) ~~SMALL SIZED TRUCK is any motor vehicle having a manufacturer's gross vehicle weight rating at 6000 pounds or less and which is designed primarily for the purposes of transportation of property or is a derivative of such vehicle, or is available with special features enabling on-street or off-highway operation and use.~~
- (48) ~~UNIFORM FINISH BLENDERS are coatings which are applied in spot repairs for the purpose of blending a paint overspray area of a repaired topcoat to match the appearance of an adjacent existing topcoat.~~
- (49) ~~VAN is a closed truck for carrying property or persons.~~
- (A) ~~MEDIUM SIZED VAN is a van having a manufacturer's gross vehicle weight rating of 6001 to 8600 pounds.~~
- (B) ~~SMALL SIZED VAN is a van having a manufacturer's gross vehicle weight rating at 6000 pounds or less and which is designed primarily for purposes of transportation of property and/or persons.~~
- (50) ~~VEHICLE is a device by which any person or property may be propelled, moved, or drawn upon a highway, excepting a device moved exclusively by human power or used exclusively upon stationary rails or tracks.~~
- (51) ~~VOLATILE ORGANIC COMPOUND (VOC) is as defined in Rule 102—Definition of Terms. For the purpose of this rule, tertiary butyl acetate (TBAc) is not a VOC when used in coatings other than color coatings and clear coatings.~~

~~The Executive Officer shall conduct a technical assessment on the use of TBAC as a non-VOC by July 1, 2007. In conducting the technical assessment, the Executive Officer shall consider all information on TBAC including, toxicity, carcinogenic and health risk assessment studies. The Executive Office shall report to the Governing Board as to the appropriateness of maintaining TBAC as a non-VOC.~~

~~(52) WATER HOLD-OUT COATING is a coating applied to the interior cavity areas of doors, quarterpanels and rocker panels for the purpose of corrosion resistance to prolonged water exposure.~~

~~(53) WELD THRU COATING is a coating applied to metal immediately prior to welding to provide corrosion resistance.~~

~~(e) Requirements~~

~~(1) VOC Content of Coatings~~

~~A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (c)(1)(A) and (c)(1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.~~

~~(A) Group I Vehicles and Equipment~~

~~A person who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.~~

TABLE 1

<u>COATING</u>	<u>VOC LIMITS</u>	
	<u>Grams Per Liter of Coating,</u>	
	<u>Less Water and Exempt Compounds</u>	
	<u>On and After</u>	
	<u>December 12, 1998</u>	
	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobile equipment will be 3.5 lb/gal (less water and exempt compounds).

(B) Group II Vehicles

A person who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

TABLE 2

<u>COATING</u>	<u>VOC Limits</u>					
	<u>Grams Per Liter of Coating,</u>					
	<u>Less Water and Exempt Compounds</u>					
	<u>On and After</u>		<u>On and After</u>		<u>On and After</u>	
	<u>December 12, 1998</u>		<u>July 1, 1999</u>		<u>October 1, 1999</u>	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day ¹	540	4.5	420 ¹	3.5	420	3.5
< 2 gal/day ²	540	4.5	540 ²	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

¹—On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

²—Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

~~(2) Exempt Compounds~~

~~A person shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).~~

~~(3) Carcinogenic Materials~~

~~A person shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.~~

~~(4) Transfer Efficiency~~

~~(A) A person shall not apply coatings except by the use of one of the following methods:~~

~~(i) electrostatic application, or~~

~~(ii) high volume, low pressure (HVLP) spray, or~~

~~(iii) such other coating application methods as are demonstrated, in accordance with the provisions of subparagraph (g)(1)(E), to be capable of achieving equivalent or better transfer efficiency than the coating application method listed in clause (c)(4)(A)(ii), and for which written approval of the Executive Officer has been obtained.~~

~~(B) A person shall not apply coatings by any of the methods listed in subparagraph (c)(4)(A) unless the coating is applied with properly operating equipment, operated according to procedures recommended by the manufacturer.~~

~~(5) Solvent Cleaning Operations; Storage and Disposal of VOC-containing Materials~~

~~Solvent cleaning of application equipment, parts, products, tools, machinery, equipment, general work areas, and the storage and disposal of VOC-containing materials used in cleaning operations shall be carried out pursuant to Rule 1171 Solvent Cleaning Operations.~~

~~(6) Approved Emission Control System~~

~~A person may comply with the provisions of paragraph (c)(1), by using an approved emission control system, consisting of collection and control devices, which is approved, in writing, by the Executive Officer for~~

~~reducing emissions of VOC. The Executive Officer shall approve such emission control system only if the VOC emissions resulting from the use of non-compliant coatings will be reduced to a level equivalent to or lower than that which would have been achieved by the compliance with the terms of paragraph (c)(1).~~

~~The required efficiency of an emission control system at which an equivalent or greater level of VOC emission reduction will be achieved shall be calculated by the following equation:~~

$$C.E. = \left[1 - \left\{ \frac{(VOC_{LWc})}{(VOC_{LWn,Max})} \times \frac{1 - (VOC_{LWn,Max}/D_{n,Max})}{1 - (VOC_{LWc}/D_c)} \right\} \right] \times 100$$

~~Where:~~

- ~~C.E. = Control Efficiency, percent~~
- ~~VOC_{LWc} = VOC Limit of Rule 1151, less water and less exempt compounds, pursuant to paragraph (c)(1).~~
- ~~VOC_{LWn,Max} = Maximum VOC content of non-compliant coating used in conjunction with a control device, less water and exempt compounds.~~
- ~~D_{n,Max} = Density of VOC solvent, reducer, or thinner contained in the non-compliant coating containing the maximum VOC.~~
- ~~D_c = Density of corresponding VOC solvent, reducer, or thinner used in the compliant coating system = 880 g/L.~~

~~(7) Alternative Emission Control Plan~~

~~A person may comply with the provisions of paragraph (c)(1) by means of an Alternative Emission Control Plan (AECPP), pursuant to Rule 108.~~

~~(8) Specialty Coatings~~

~~Use of all specialty coatings shall not exceed 10 percent (by volume) of all coatings applied, averaged on a monthly (calendar) basis.~~

~~(d) Prohibition of Possession, Specification and Sale~~

~~(1) Effective July 1, 2006, no person that applies automotive coatings subject to this rule shall possess any automotive coating that is not in compliance~~

with requirements of paragraph (c)(1), unless one or more of the following conditions apply:

- ~~(A) The coating is located at a facility that utilizes an approved emission control device pursuant to paragraph (c)(6), and the coating meets the limits specified in permit conditions.~~
- ~~(B) The coating is at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to paragraph (c)(7), and the coating is specified in the plan.~~
- ~~(C) The coating is exempt pursuant to paragraph (i)(3) or (i)(5).~~
- ~~(2) No person shall solicit from, or require any other person to use in the District any coating which, when applied as supplied or thinned or reduced according to the manufacturer's recommendation for application, does not meet the:
 - ~~(A) Applicable VOC limits required by paragraph (c)(1) for the specific application unless:
 - ~~(i) The coating is located at a facility that utilizes an approved emission control device pursuant to paragraph (c)(6), and the coating meets the limits specified in permit conditions;~~
 - ~~or,~~
 - ~~(ii) The coating is at a facility that operates in compliance approved Alternative Emissions Control Plan pursuant to paragraph (c)(7), and the coating is specified in the plan; or~~
 - ~~(iii) the coating is specifically exempt pursuant to subdivision (i) of this rule; and~~
 - ~~(iv) the coating meets requirements of paragraphs (c)(2) or (c)(3).~~~~~~
- ~~(3) No person shall offer for sale, sell, or distribute for use in the District any coating which, when applied as supplied or thinned or reduced according to the manufacturer's recommendation for application, does not meet the:
 - ~~(A) applicable VOC limits required by paragraph (c)(1) for the specific application, unless:
 - ~~(i) The coating is located at a facility that utilizes an approved emission control device pursuant to paragraph (c)(6), and the coating meets the limits specified in permit conditions;~~
 - ~~or,~~~~~~

- ~~(ii) The coating is specifically exempt pursuant to subdivision (i) of this rule; and,~~
 - ~~(iii) The coating is at a facility that operates in compliance approved Alternative Emissions Control Plan pursuant to paragraph (c)(7), and the coating is specified in the plan; and~~
 - ~~(iv) The person that offers for sale or distributes the coating keeps the following records for at least five years and makes them available to the Executive Officer upon request:
 - ~~(I) Coating name and manufacturer;~~
 - ~~(II) Application method;~~
 - ~~(III) Coating category and mix ratio specific to the coating;~~
 - ~~(IV) VOC content of the coating;~~
 - ~~(V) Documentation that the material is a coating;~~
 - ~~(VI) Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the VOC content of each ready to spray coating (based on the manufacturer's stated mix ratio) and automotive coating components and VOC content of each solvent;~~
 - ~~(VII) Purchase records identifying the coating category, name, and volume of coatings; and~~
 - ~~(VIII) The name and address of the person purchasing the coating, a statement of the basis the purchase will comply with this paragraph, including if use is for outside the District, and acknowledgement by the purchaser that this statement is correct.~~~~
- ~~(B) the requirements of paragraphs (c)(2) or (c)(3).~~
- ~~(4) No person shall solicit from, require, offer for sale to, sell to, or distribute to any other person for use in the District any coating application equipment which does not meet the requirements of subparagraph (c)(4)(A).~~

~~(5) — No person shall offer for sale, sell, or distribute an HVLP spray gun unless the person offering for sale, selling, or distributing the HVLP spray gun provides accurate information to the spray gun recipient on the maximum inlet air pressure to the spray gun which would result in a maximum 10 pounds per square inch gauge air pressure measured dynamically at the center of the air cap and the air horns. The information shall be permanently marked on the gun, or provided on the company's letterhead or in the form of technical literature which clearly identifies the spray gun manufacturer, the salesperson, or the distributor.~~

~~(6) — The requirements of paragraphs (d)(1), (d)(2), (d)(3) or (d)(4) shall apply to all written or oral agreements executed and entered into under the terms of which a coating or a coating application equipment shall be used at any location within the District.~~

~~(e) — Offer for Sale~~

~~(1) — On and after February 1, 1999, any coating manufacturer that sells or offers for sale for use in the District clearcoat shall offer for sale at least one clearcoat product line with a VOC content of 2.1 pounds per gallon (excluding water and exempt compounds) or less, on an as applied basis, at all locations where their clearcoats are sold or offered for sale to the end users.~~

~~(2) — On and after February 1, 1999, any person who sells or offers for sale to the end users a coating manufacturer's clearcoat for use in the District shall offer for sale at least one clearcoat product line with a VOC content of 2.1 pounds per gallon (excluding water and exempt compounds) or less, on an as applied basis, offered for sale by that coating manufacturer.~~

~~(f) — Recordkeeping Requirements~~

~~(1) — Recordkeeping for VOC Emissions~~

~~Records of coating usage shall be maintained pursuant to Rule 109.~~

~~(2) — Recordkeeping for Emission Control Systems~~

~~Any person using an emission control system as a means of complying with the provisions of paragraph (c)(1) shall maintain daily records of key system operating and maintenance procedures which will demonstrate continuous operation and compliance of the emission control system during periods of emission producing activities. Key system operating~~

~~parameters are those necessary to ensure compliance with VOC limits. The parameters include, but are not limited to, temperatures, pressures, and flowrates.~~

~~(g) Test Methods~~

~~(1) Methods of Analysis~~

~~For the purpose of this rule, the following test methods shall be used:~~

~~(A) VOC Content of Coatings~~

~~The VOC content of coatings shall be determined by the methods specified in clauses (g)(1)(A)(i) or (g)(1)(A)(ii):~~

~~(i) United States Environmental Protection Agency ("U.S. EPA") Reference Method 24, (Title 40 Code of Federal Regulations, Part 60, Appendix A). The exempt compounds content shall be determined by SCAQMD Method 303 (Determination of Exempt Compounds) contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual; or~~

~~(ii) SCAQMD Method 304 [Determination of Volatile Organic Compounds (VOCs) in Various Materials] contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual.~~

~~(iii) Exempt Perfluorocarbon Compounds~~

~~The following classes of compounds: cyclic, branched, or linear, completely fluorinated alkanes; cyclic, branched, or linear, completely fluorinated ethers with no unsaturations; cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine, will be analyzed as exempt compounds for compliance with paragraph (c)(1), only at such time as manufacturers specify which individual compounds are used in the formulation of the coatings and identify the test methods, which have been approved by the U.S. EPA and the District prior to such analysis, that can be used to quantify the amount of each exempt compound.~~

~~(B) Determination of Iridescent Particles in Metallic/Iridescent Topcoat~~

~~The metal and silicon content of metallic/iridescent topcoat shall be determined by SCAQMD Method 311 (Determination of Percent Metal in Metallic Coatings by Spectrographic Method) contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual.~~

~~(C) Acid Content in Pretreatment Coatings~~

~~The acid content of pretreatment coatings shall be determined by ASTM Test Method D1613.~~

~~(D) Reflectance of Anti Glare Safety Coatings~~

~~The reflectance of anti glare safety coatings shall be measured by ASTM Test Method D 523.~~

~~(E) Transfer Efficiency~~

~~The transfer efficiency of alternative coating application methods, as defined by clause (c)(4)(A)(iii), shall be determined in accordance with the SCAQMD method "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989."~~

~~(F) Equivalent Test Methods~~

~~Other test methods may also be used for method of analysis if approved in writing by the Executive Officer, the California Air Resources Board ("CARB"), and the U.S. EPA.~~

~~(2) Determination of Efficiency of Emission Control Systems~~

~~(A) The efficiency of the collection device of an emission control system as specified in paragraph (c)(6) shall be determined by the methods specified in clauses (g)(2)(A)(i), (g)(2)(A)(ii), or (g)(2)(A)(iii).~~

~~(i) U.S. EPA method cited in 55 Federal Register (FR) 26865, June 29, 1990; or~~

~~(ii) The SCAQMD "Protocol for Determination of Volatile Organic Compounds (VOC) Capture Efficiency"; or~~

~~(iii) Any other method approved by the Executive Officer, CARB and U.S. EPA.~~

~~(B) The efficiency of the control device of an emission control system as specified in paragraph (c)(6) and the VOC content in the control~~

~~device exhaust gases, measured and calculated as carbon, shall be determined by U.S. EPA Test Methods 25, 25A, or SCAQMD Method 25.1 (Determination of Total Gaseous Non Methane Organic Emissions as Carbon) as applicable. U.S. EPA Test Method 18, or CARB Method 422 shall be used to determine emissions of exempt compounds.~~

~~(3) Multiple Test Methods~~

~~When more than one test method or set of test methods are specified for any testing, a violation of any requirement of this rule established by any one of the specified test methods or set of test methods shall constitute a violation of the rule.~~

~~(h) Rule 442 Applicability~~

~~Any coating operation, subject to this rule which is exempt from all or a portion of the VOC limits of this rule shall comply with the provisions of Rule 442.~~

~~(i) Exemptions~~

~~(1) The provisions of paragraph(c)(4) of this rule shall not apply to:~~

~~(A) touch up coatings.~~

~~(B) stencil coatings.~~

~~(2) The prohibition specified in subdivision (d) shall not apply to coatings or spray equipment which will be used solely outside of the District.~~

~~(3) The requirements of paragraph (c)(1) shall not apply to coatings applied for educational purposes at coating training centers, which are owned and operated by coating manufacturers, provided that the VOC emissions emitted at a coating training center from coatings not complying with paragraph (c)(1) do not exceed twelve (12) pounds per day.~~

~~(4) The provisions of this rule shall not apply to aerosol coating products.~~

~~(5) The requirements of paragraphs (c)(1), (d)(1), (d)(2), and (d)(3) shall not apply to topeoats supplied by an assembly line motor vehicle manufacturer for use by a prototype motor vehicle manufacturing facility in the finishing of a prototype motor vehicle, provided that the VOC emissions at the prototype motor vehicle manufacturing facility from such topeoats does not exceed 21 pounds in a calendar day and 930 pounds in a calendar year.~~

- ~~(6) The requirements of paragraph (e)(1) shall not apply to coating manufacturers that only sell or offer for sale for use in the District clearcoat that is formulated and recommended for use in conjunction with only waterborne basecoats.~~
- ~~(7) The requirements of paragraph (e)(2) shall not apply to a coating manufacturer's clearcoats which are formulated and recommended for use in conjunction with only waterborne basecoats.~~

Appendix A

Rule 1151—Effective July 1, 2008

~~Effective July 1, 2008, the provisions in subdivisions (a) through (i) of this appendix shall become effective and replace subdivisions (a) through (i) of Rule 1151~~

Rule 1151—Appendix A Effective July 1, 2008 (Proposed Amended September 5 2014)

(a) Purpose

The purpose of this rule is to ~~limit~~ reduce volatile organic compound (VOC) emissions, toxic air contaminants, stratospheric ozone-depleting compounds, and global-warming compound emissions from automotive coatings operations associated with the coating of applications performed on motor vehicles, and mobile equipment, and associated parts and components.

(b) Applicability

This rule is applicable to any person who supplies, sells, offers for sale, markets, manufactures, blends, packages, repackages, possesses or distributes any automotive coating ~~or associated solvent~~ or associated solvent for use within the District, as well as any person who uses, applies, or solicits, the use or application of any automotive coating or associated solvent within the District.

(c) Definitions

For the purpose of this rule, the following definitions shall apply:

- (1) ADHESION PROMOTER means ~~a~~ any automotive coating, which is specifically labeled and formulated to be applied to uncoated plastic surfaces to facilitate bonding of subsequent automotive coatings, and on which, a subsequent automotive coating is applied.
- (2) AEROSOL COATING PRODUCT means a pressurized coating product containing pigments or resins that dispenses product ingredients by means of a propellant, and is packaged in a disposable can for hand-held application, or for use in specialized equipment for ground traffic/marketing applications.
- (3) ASSEMBLY LINE means an arrangement of industrial equipment and workers in which the product passes from one specialized operation to another until complete, by either automatic or manual means.
- (4) ASSOCIATED PARTS AND COMPONENTS means structures, devices, pieces, modules, sections, assemblies, subassemblies, or elements of any motor vehicles or mobile equipment that are designed to be a part of any motor vehicles or mobile equipment but which are not attached to any motor vehicles or mobile equipment at the time of the application of an automotive coating to such ~~the~~ structure, device, piece, module, section, assembly, subassembly, or element. ~~The~~ Associated parts and components ~~definition does~~ do not include circuit boards.

Rule 1151—Appendix A(Cont.)(Effective July 1, 2008)Proposed Amended September 5, 2014)

- (5) AUTOMOTIVE COATING means any coating ~~or coating component~~ used or recommended for use in motor vehicles, ~~or mobile equipment~~ or associated parts and components in refinishing, service, maintenance, repair, restoration, or modification, except metal plating activities. Any reference to automotive refinishing or automotive coating ~~made by a person~~—on the container or in product literature constitutes a recommendation for use in motor vehicle, ~~or mobile equipment~~ and associated parts and components refinishing.
- (6) AUTOMOTIVE COATING COMPONENT means any portion of a coating, including, but not limited to, a reducer or thinner, toner, hardener, and additive, which is recommended ~~by any person to distributors or end-users~~ for use in an automotive coating, or which is used in an automotive coating. The raw materials used to produce the components are not considered automotive coating components.
- (7) AUTOMOTIVE GRAPHIC ARTS OPERATION means the application of logos, letters, designs, numbers, or graphics to a painted surface by brush, roller or airbrush.
- ~~(7)~~(8) AUTOMOTIVE REFINISHING FACILITY means any shop, business, location, or parcel of land where motor vehicles or mobile equipment or their associated parts and components are coated, including autobody collision repair shops. “Automotive ~~Refinishing~~ refinishing Facility” does not include the original equipment manufacturing plant where the motor vehicle or mobile equipment is completely assembled.
- ~~(8)~~—CARB means the California Air Resources Board.
- ~~(9)~~—CLEANING OPERATIONS means the removal of loosely held uncured adhesives, inks, coatings, or contaminants, including, but not limited to, dirt, soil, or grease, from motor vehicles, mobile equipment, associated parts and components, substrates, parts, products, tools, machinery, equipment, or general work areas.
- ~~(10)~~(9) CLEAR COATING means any automotive coating that ~~contains no pigments~~ is formulated with materials that do not impart color and is specifically labeled and formulated for application over a color coating or clear coating.

(11)(10) COATING means a material which is applied to a surface and forms a film in order to beautify, preserve, repair, or protect such a surface.

(12)(11) COLOR COATING means any pigmented automotive coating, excluding automotive adhesion promoters, primers, and multi-color coatings, that requires a subsequent clear coating and which is applied over a primer, ~~or~~ adhesion promoter or color coating. Color coatings include metallic/iridescent color coatings.

(13)(12) ELECTROSTATIC SPRAY APPLICATION means any method of spray application of automotive coatings where an electrostatic attraction is created between the part to be coated and the paint particles.

(14)(13) EMISSION CONTROL SYSTEM means any combination of capture systems and control devices used to reduce VOC emissions from automotive coating operations.

(15)(14) EXEMPT COMPOUNDS are as defined in Rule 102-Definition of Terms.

(16)(15) GRAMS OF VOC PER LITER OF COATING LESS WATER AND LESS EXEMPT COMPOUNDS, OR REGULATORY VOC, is the weight of VOC per combined volume of VOC and coating solids and shall be calculated by the following equation:

Grams of VOC per Liter of Coating, Less

$$\text{Water and Less Exempt Compounds} = \frac{W_s - W_w - W_{es}}{V_m - V_w - V_{es}}$$

Where: W_s = weight of volatile compounds in grams

W_w = weight of water in grams

W_{es} = weight of exempt compounds in grams

V_m = volume of material in liters

V_w = volume of water in liters

V_{es} = volume of exempt compounds in liters

(17)(16) GRAMS OF VOC PER LITER OF MATERIAL, OR ACTUAL VOC, is the weight of VOC per volume of material and shall be calculated by the following equation:

$$\text{Grams of VOC per Liter of Material} = \frac{W_s - W_w - W_{es}}{V_m}$$

Rule 1151–Appendix A(Cont.)(Effective July 1, 2008)Proposed Amended September 5, 2014)

Where: W_s = weight of volatile compounds in grams
 W_w = weight of water in grams
 W_{es} = weight of exempt compounds in grams
 V_m = volume of material in liters

(18)(17) HIGH-VOLUME, LOW-PRESSURE (HVLP) means spray application equipment designed to atomize 100 percent by air pressure only and is operated between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure measured dynamically at the center of the air cap and at the air horns.

(19)(18) METALLIC/IRIDESCENT COLOR COATING means any automotive coating that contains more than 0.042 pounds per gallon (5 grams per liter) of metal or iridescent particles as applied, where such particles are visible in the dried film.

(20)(19) MOBILE EQUIPMENT means any device that may be drawn and/or driven on rails or a roadway including, but not limited to, trains, railcars, truck trailers, mobile cranes, bulldozers, street cleaners, and implements of husbandry or agriculture.

(21)(20) MOTOR VEHICLE means any self-propelled vehicle, including, but not limited to, motorcycles, passenger cars, light-duty trucks and vans, medium-duty and heavy-duty vehicles as defined in Section 1900, Title 13, of the California Administrative Code. Additional examples include, but are not limited to, buses, golf carts, vans, motorcycles, tanks, and armored personnel carriers.

(22)(21) MULTI-COLOR COATING means any automotive coating that exhibits more than one color in the dried film after a single application, is packaged in a single container, and hides surface defects on areas of heavy use, and which is applied over a primer or adhesion promoter.

(23)(22) PRETREATMENT COATING means any automotive coating that contains a minimum of one-half (0.5) percent acid by weight and not more than 16 percent solids by weight necessary to provide surface etching and that is specifically labeled and formulated for application directly to bare metal surfaces to provide corrosion resistance and adhesion.

(24)(23) PRIMER means any automotive coating, which that is specifically labeled and formulated for application to a substrate to provide 1) a bond between the substrate and subsequent coats, 2) corrosion resistance, 3) a smooth substrate surface, or 4) resistance to penetration of subsequent

coats, and on which a subsequent coating is applied. Primers may be pigmented and include weld-through primers.

- ~~(25)~~(24) SINGLE-STAGE COATING means any pigmented automotive coating, (excluding automotive adhesion promoters, primers and multi-color coatings), specifically labeled and formulated for application without a subsequent clear coat coating and that are applied over an adhesion promoter, a primer, or a color coating. Single-stage coatings include single-stage metallic/iridescent coatings.
- (25) SOLVENT CLEANING is as defined in Rule 1171 – Solvent Cleaning Operations.
- (26) SPOT REPAIR means repair of an area on a motor vehicle, ~~piece of~~ mobile equipment, or associated parts or components of less than ~~4~~one square foot (929 square centimeters).
- (27) TEMPORARY PROTECTIVE COATING means any automotive coating ~~which is~~ specifically labeled and formulated for the purpose of temporarily protecting areas from overspray or mechanical damage.
- (28) TRANSFER EFFICIENCY means the amount of coating solids adhering to the object being coated divided by the total amount of automotive coating solids sprayed, expressed as a percentage.
- (29) TRUCK BED LINER COATING means any automotive coating, excluding color, ~~—~~multi-color, and single stage coatings, specifically labeled and formulated for application to a truck bed to protect it from surface abrasion.
- (30) UNDERBODY COATING means any automotive coating specifically labeled and formulated for application to wheel wells, the inside of door panels or fenders, the underside of a trunk or hood, or the underside of the motor vehicle.
- (31) UNIFORM FINISH COATING means any automotive coating specifically labeled and formulated for application to the area around a spot repair for the purpose of blending a repaired area's color or clear coat to match the appearance of an adjacent area's existing coating.
- ~~(32)~~—U.S. EPA means the United States Environmental Protection Agency.
- ~~(33)~~(32) VOLATILE ORGANIC COMPOUND (VOC) is as defined in Rule 102-Definition of Terms. For the purpose of this rule, tertiary butyl acetate (TBAC) is not a VOC when used in automotive coatings other than color coatings and clear coatings.

The Executive Officer shall conduct a technical assessment on the use of TBAC as a non-VOC by ~~July 1, 2007~~December 31, 2016. In conducting the technical assessment, the Executive Officer shall consider all information available to the SCAQMD on TBAC including, toxicity, carcinogenic and health risk assessment studies. The Executive Office shall report to the Governing Board as to the appropriateness of maintaining TBAC as a non-VOC.

~~(34)~~(33) WELD-THROUGH PRIMER means an automotive coating designed and labeled exclusively to provide a bridging or conducting effect for corrosion protection following welding.

(d) Requirements

(1) A person shall not apply any automotive coating to a motor vehicle, mobile equipment, or associated parts or components, ~~of a motor vehicle or mobile equipment~~ that ~~have a~~contains VOC ~~content~~ in excess of the limits ~~contained in Table A of this paragraph~~specified in the Table of Standards below. Compliance with the applicable VOC content limits shall be based on VOC content, including any ~~VOC~~ material added to the original automotive coating supplied by the manufacturer, ~~less water and exempt compounds~~, as applied, ~~to the vehicle, mobile equipment or parts and components~~ less water and exempt compounds.

Table A—Coating Categories and VOC limits

Coating Categories	VOC Limits Less Water and Less Exempt Compounds					
	Effective Dates					
	July 1, 2008		January 1, 2009		January 1, 2010	
	g/L	lb/gal	g/L	lb/gal	g/L	lb/gal
Adhesion Promoter					540	4.5
Clear Coating	250	2.1				
Color Coating	420	3.5				
Multi-Color Coating			680	5.7		
Pretreatment Coating			660	5.5		
Primer					250	2.1
Single-Stage Coating					340	2.8
Temporary Protective Coating			60	0.5		
Truck Bed Liner Coating			310	2.6		
Underbody Coating			430	3.6		
Uniform Finishing Coating			540	4.5		
Any other coating type			250	2.1		

TABLE OF STANDARDS

<u>VOC CONTENT LIMITS</u>		
<u>Grams per Liter of Coating, Less Water and Less Exempt Compounds</u>		
<u>AUTOMOTIVE COATING CATEGORIES</u>	<u>Current Limit</u>	
	<u>g/L</u>	<u>Lb/Gal</u>
<u>Adhesion Promoter</u>	<u>540</u>	<u>4.5</u>
<u>Clear Coating</u>	<u>250</u>	<u>2.1</u>
<u>Color Coating</u>	<u>420</u>	<u>3.5</u>
<u>Multi-Color Coating</u>	<u>680</u>	<u>5.7</u>
<u>Pretreatment Coating</u>	<u>660</u>	<u>5.5</u>
<u>Primer</u>	<u>250</u>	<u>2.1</u>
<u>Single-Stage Coating</u>	<u>340</u>	<u>2.8</u>
<u>Temporary Protective Coating</u>	<u>60</u>	<u>0.5</u>
<u>Truck Bed Liner Coating</u>	<u>310</u>	<u>2.6</u>
<u>Underbody Coating</u>	<u>430</u>	<u>3.6</u>
<u>Uniform Finishing Coating</u>	<u>540</u>	<u>4.5</u>
<u>Any Other Coating Type</u>	<u>250</u>	<u>2.1</u>

(2) Most Restrictive VOC Limit

If any representation ~~on or~~ information on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature ~~supplied by a person~~ that indicates that the automotive coating meets the definition of or is recommended for use for more than one of the automotive coating categories listed in paragraph (d)(1), then the lowest VOC content limit shall apply.

~~(3) VOC Limits Compliance Dates~~

~~The VOC limits in effect as of December 2, 2005 shall be applicable until superseded by the VOC limits and effective dates in Table A of paragraph (d)(1).~~

~~(4)~~(3) Alternative Compliance

(A) Emission Control System

A person may comply with the provisions of paragraph (d)(1), by using an approved emission control system, consisting of collection and control devices, ~~that is provided such emission control system is approved pursuant to Rule 203 – Permit to Operate,~~ in writing, by the Executive Officer for reducing

emissions of VOC. The Executive Officer shall approve such emission control system only if the VOC emissions resulting from the use of non-compliant automotive coatings will be reduced to a level equivalent to or lower than that which would have been achieved by the compliance with the terms of paragraph (d)(1). The required efficiency of an emission control system at which an equivalent or greater level of VOC emission reduction will be achieved shall be calculated by the following equation:

$$C.E. = \left[1 - \left\{ \frac{(VOC_{LWc})}{(VOC_{LWn,Max})} \times \frac{1 - (VOC_{LWn,Max}/D_{n,Max})}{1 - (VOC_{LWc}/D_c)} \right\} \right] \times 100$$

Where:

- C.E. = Control Efficiency, percent
- VOC_{LWc} = VOC Limit of Rule 1151, less water and less exempt compounds, pursuant to paragraph (d)(1).
- VOC_{LWn,Max} = Maximum VOC content of non-compliant automotive coating used in conjunction with a control device, less water and exempt compounds.
- D_{n,Max} = Density of VOC solvent, reducer, or thinner contained in the non-compliant automotive coating containing the maximum VOC.
- D_c = Density of corresponding VOC solvent, reducer, or thinner used in the compliant automotive coating system = 880 g/L.

(B) Alternative Emission Control Plan

A person may comply with the provisions of paragraph (d)(1) by means of an Alternative Emissions Control Plan, pursuant to Rule 108 – Alternative Emissions Control Plans.

~~(5)~~(4) Exempt Compounds

A person shall not manufacture, sell, offer for sale, distribute for use in the District, or apply any automotive coating which contains any Group II Exempt Compounds as defined in Rule 102.

~~(6)~~(5) Carcinogenic Materials

A person shall not manufacture ~~the~~automotive coatings for use in the SCAQMD in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the automotive coatings during manufacturing, distribution, or use of the applicable automotive coatings.

~~(7)~~(6) Transfer Efficiency

(A) A person shall not apply automotive coatings to any motor vehicle, mobile equipment or any associated parts or components to a motor vehicle or mobile equipment except by the use of one of the following methods:

- (i) electrostatic application, or
- (ii) high-volume, low-pressure (HVLP) spray, or
- (iii) brush, dip, or roller, or
- (iv) Spray gun application, provided the owner or operator demonstrates that the spray gun meets the HVLP definition in paragraph (c)(17) in design and use. A satisfactory demonstration must be based on the manufacturer's published technical material on the design of the spray gun and by a demonstration of the operation of the spray gun using an air pressure tip gauge from the manufacturer of the spray gun.
- (v) Any such other automotive coating application methods as are demonstrated, in accordance with the provisions of subparagraph (h)(1)(EF), to be capable of achieving equivalent or better transfer efficiency than the automotive coating application method listed in clause (d)(6)(A)(ii), and for which provided written approval is obtained of from the Executive Officer has been obtained prior to use.

(B) A person shall not apply any automotive coatings by any of the methods listed in subparagraph (d)(6)(A) unless the automotive coating is applied with properly operating equipment, operated according to procedures recommended by the manufacturer and in compliance with applicable permit conditions, if any.

~~(8)~~(7) Solvent Cleaning, Storage and Disposal of VOC-Containing Materials

Solvent cleaning of application equipment, parts, products, tools, machinery, equipment, general work areas, and the storage and disposal of VOC-containing materials used in cleaning operations shall be carried out pursuant to SCAQMD Rule 1171 – Solvent Cleaning Operations.

(e) Prohibition of Possession, Specification and Sale

(1) ~~No~~ For the purpose of this rule, no person that applies automotive coatings subject to this rule shall ~~posses~~ possess any automotive coating that is not in compliance with requirements of paragraph (d)(1), unless one or more of the following conditions apply:

(A) The automotive coating is located for use at a facility that utilizes an approved emission control device pursuant to subparagraph (d)(43)(A); and the coating meets the limits specified in permit conditions.

(B) The automotive coating is located for use at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to subparagraph (d)(43)(B), and the automotive coating is specified in the plan.

(C) The automotive coating is located for use at a training center and the automotive coating is used for educational purposes, provided that the VOC emissions from automotive coatings not meeting the VOC limits of paragraph (d)(1) do not exceed twelve (12) pounds per day.

(D) The automotive topcoat coating is located for use at a prototype motor vehicle manufacturing facility and the automotive coating is supplied by an assembly-line motor vehicle manufacturer specifically for use in the refinishing of a prototype motor vehicle, provided that the VOC emissions from all automotive coatings not meeting the VOC limits of paragraph (d)(1) do not exceed twenty-one (21) pounds per day and 930 pounds in any one calendar year.

(2) ~~No~~ For the purpose of this rule, no person shall solicit from, specify, or require any other person to use in the District any automotive coating which, when applied as supplied or thinned or reduced according to the manufacturer's recommendation for application, does not meet the:

(A) ~~applicable~~ Applicable VOC limits required by paragraph (d)(1) for the specific application unless:

Rule 1151–Appendix A(Cont.)(Effective July 1, 2008)Proposed Amended September 5, 2014)

- (i) The automotive coating is located at a facility that utilizes an approved emission control device pursuant to subparagraph (d)(43)(A), and the automotive coating meets the limits specified in permit conditions; or,
 - (ii) The automotive coating is ~~coating is~~ located at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to subparagraph (d)(43)(B), and the automotive coating is specified in the plan; or
 - (~~iii~~) ~~the~~ The automotive coating is specifically exempt pursuant to subdivision (ij) of this rule.
- (B) ~~the~~ The requirements of paragraphs (d)(54) and (d)(65).
- (3) ~~No~~ For the purpose of this rule, no person shall ~~offer for sale, sell, supply, sell, offer for sale, market, blend, package, repackage~~ or distribute ~~for use in the District~~ any automotive coating for use within the District subject to the provisions in this rule which, when applied as supplied or thinned or reduced according to the manufacturer's recommendation for application, does not meet the:
- (A) Applicable VOC limits required by paragraph (d)(1) for the specific application, unless:
 - (i) The automotive coating is ~~located~~ for use at a facility that utilizes an approved emission control device pursuant to subparagraph (d)(43)(A), and the coating meets the limits specified in permit conditions; or,
 - (ii) The automotive coating is specifically exempt under subdivision (ij) of this rule; or,
 - (iii) The automotive coating is ~~coating is located~~ for use at a facility that operates in ~~compliance~~ accordance with an approved Alternative Emissions Control Plan pursuant to subparagraph (d)(43)(B), and the automotive coating is specified in the plan; and,
 - (iv) The person that ~~offers for supplies, sells, offers for sale, markets, blends, packages, repackages~~ sale or distributes the automotive coating keeps the following records for at least five years and makes them available to the Executive Officer upon request:

- (I) Automotive coating ~~Coating~~—name and manufacturer;
 - (II) Application method as recommended;
 - (III) Automotive coating ~~Coating~~ category and mix ratio specific to the automotive coating;
 - (IV) VOC content of the automotive coating;
 - (V) Documentation such as manufacturer specification sheets, material safety data sheets, technical data sheets, or any other air quality data sheets that demonstrate that the material is intended for use as a-an automotive coating;
 - (VI) Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the VOC content of each ready-to-spray automotive coating (based on the manufacturer's stated mix ratio) and automotive coating components and VOC content of each solvent; and
 - (VII) Purchase records identifying the automotive coating category, name, and volume of automotive coatings; and.
 - (VIII) ~~The~~ In addition, for sale to an end-user, the name and address of the person purchasing-receiving the automotive coating, a statement of the basis an acknowledgement warranting that the sale to an end-user purchase-will comply with this paragraph, including if use is for outside the District, and acknowledgement by the purchaser that this statement is correct.
- (B) ~~or does not meet the~~ The requirements of paragraphs (d)(~~54~~) and (d)(~~65~~).
- (4) ~~No~~ For the purpose of this rule, no person shall solicit from, specify, require, offer for sale-to, sell-to, or distribute to any other person for use in the District any automotive coating application equipment which does not meet the requirements of subparagraph (d)(~~76~~)(A).

- (5) ~~No~~ For the purpose of this rule, no person shall offer for sale, sell, supply, market, offer for sale or distribute an HVLP spray gun for use within the SCAQMD unless the person offering for sale, selling, marketing or distributing the HVLP spray gun for use within the SCAQMD provides accurate information to the spray gun recipient on the maximum inlet air pressure to the spray gun which would result in a maximum air pressure of 10 pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns based on the manufacturer's published technical material on the design of the spray application equipment and by a demonstration of the operation of the spray application equipment using an air pressure tip gauge from the manufacturer of the gun. The information shall either be permanently marked on the gun, or provided on the company's letterhead or in the form of technical literature which clearly identifies the spray gun manufacturer, the salesperson/seller, or the distributor.
- (6) ~~The~~ For the purpose of this rule, the requirements of paragraphs (e)(1), (e)(2), (e)(3), ~~(e)(4) or (e)(45)~~ or (e)(4) shall apply to all written or oral agreements executed and entered into under the terms of which an automotive coating or an automotive coating application equipment shall be used at any location within the District.
- (f) Recordkeeping Requirements
- (1) Recordkeeping for VOC Emissions
- Records of automotive coating usage shall be maintained pursuant to SCAQMD Rule 109 – Recordkeeping for Volatile Organic Compound Emissions, and shall at a minimum include the following information:
- (A) Material name and manufacturer;
 - (B) Application method;
 - (C) Automotive coating ~~Coating~~-category and mix ratio specific to the coating;
 - (D) ~~VOC actual~~Actual VOC and regulatory VOC, for the automotive coating;
 - (E) Documentation such as manufacturer specification sheets, material safety data sheets, technical data sheets, or any other air quality data sheets that indicate the material is intended for use as an automotive coating or solvent;

- (F) Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the ~~VOC~~ actual VOC for coatings and ~~VOC~~ regulatory VOC, for ~~coatings of each~~ ready-to-spray automotive coating (based on the manufacturer's stated mix ratio), ~~and~~ automotive coating components, and the VOC content of for each solvent; and,
 - (G) Purchase records identifying the automotive coating category, name, and the total volume of all coatings and solvents used.
- (2) Recordkeeping Requirements for Emission Control System
- Any person using an emission control system shall maintain daily records of key system operating parameters which will demonstrate continuous operation and compliance of the emission control system during periods of VOC emission producing activities. "Key system operating parameters" are those parameters necessary to ensure or document compliance with subparagraph (d)(3)(A), including, but not limited to, temperatures, pressure drops, and air flow rates.
- (g) Administrative Requirements for Automotive Coating Manufacturers
- (1) Compliance Statement Requirement
- For each individual automotive coating, automotive coating component, and ready to spray mixture (based on the manufacturers stated mix ratio), the manufacturer shall include the following information on a product data sheet, or an equivalent medium:
- (A) The actual VOC and regulatory VOC for automotive coatings (in grams per liter);
 - (B) The weight percentage of volatiles, water, and exempt compounds; and,
 - (C) The density of the material (in grams per liter).
- (2) Labeling Requirements
- (A) The manufacturer of ~~automobile~~ automotive coatings or automotive coating components, including hardeners, with the exception of solvents such as reducers and thinners, shall include on all containers the applicable use automotive coating category~~category(ies)~~, and the ~~VOC~~ actual VOC and regulatory VOC for content, coatings, as supplied (in grams of VOC per liter

of material) and in grams of VOC per liter of material, less water and exempt compounds).

- (B) The manufacturer of solvents, including reducers and thinners, subject to this rule shall include on all containers the actual VOC content–for solvents, as supplied (in grams of VOC per liter of material).

(h) Test Methods

(1) Methods of Analysis

For the purpose of this rule, the following test methods shall be used:

(A) VOC Content of Automotive Coatings

(i) United States Environmental Protection Agency (“U.S. EPA”) Reference Test Method 24, (Determination of Volatile Matter Content, Water Content, Volume Solids and Weight Solids of Surface Coatings, Code of Federal Regulations, Title 40 Code of Federal Regulations, Part 60, Appendix A). The exempt compounds’ content shall be determined by South Coast Air Quality Management District (SCAQMD) Laboratory Test Method 303 (Determination of Exempt Compounds) contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual; or SCAQMD Method 304 [Determination of Volatile Organic Compounds (VOCs) in Various Materials] contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual.

(ii) SCAQMD Method 304 [Determination of Volatile Organic Compounds (VOCs) in Various Materials] contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual.

(B) Exempt Perfluorocarbon Compounds

~~The following classes of compounds: cyclic, branched, or linear, completely fluorinated alkanes; cyclic, branched, or linear, completely fluorinated ethers with no unsaturations; cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and sulfur containing perfluorocarbons with no~~

~~unsaturations and with sulfur bonds only to carbon and fluorine,~~

The following classes of compounds:

cyclic, branched, or linear, completely fluorinated alkanes;

cyclic, branched, or linear, completely fluorinated ethers with
no unsaturations;

cyclic, branched, or linear, completely fluorinated tertiary
amines with no unsaturations; and

sulfur-containing perfluorocarbons with no unsaturations and
with sulfur bonds only to carbon and fluorine,

shall be analyzed as exempt compounds for compliance with paragraph (d)(1), only at such time as manufacturers specify which individual compounds are used in the formulation of the automotive coatings and identify the test methods, which have been approved by the U.S. EPA, CARB and the ~~District~~ SCAQMD prior to such analysis, that can be used to quantify the amounts of each exempt compound.

(C) Determination of Iridescent Particles in Metallic/Iridescent Coatings

The metal and silicon content of metallic/iridescent coatings shall be determined by SCAQMD Method 311 (Determination of Percent Metal in Metallic Coatings by Spectrographic Method) contained in the SCAQMD "Laboratory Method of Analysis for Enforcement Samples" manual.

(D) Acid Content in Pretreatment Automotive Coatings

The acid content of pretreatment automotive coatings shall be determined by ASTM Test Method D1613-06 (2012) (Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and related products).

(E) Reflectance of Anti-Glare Safety Automotive Coatings

The reflectance of anti-glare safety automotive coatings shall be ~~measured~~ determined by ASTM Test Method D-523-08 (Specular Gloss).

(F) Transfer Efficiency

The transfer efficiency of alternative automotive coating application methods, as defined by clause (d)(76)(A)(iii), shall be determined in accordance with the SCAQMD method "Spray

Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989," and SCAQMD "Guidelines for Demonstrating Equivalency With District Approved Transfer Efficiency Spray Gun September 26, 2002."

(G) Equivalent Test Methods

Other test methods determined to be equivalent ~~after review by the staffs of the District~~by the Executive Officer, CARB, and the U.S. EPA, and approved in writing by the ~~District~~Executive Officer may also be used ~~for methods of analysis~~.

(2) Determination of Efficiency of Emission Control Systems

(A) The efficiency of the collection device of an emission control system as specified in subparagraph (d)(43)(A) shall be determined by the methods specified ~~in clauses (h)(2)(A)(i), (h)(2)(A)(ii), or (h)(2)(A)(iii)~~below:

- (i) U.S. EPA method cited in 55 Federal Register (FR) 26865, June 29, 1990; or
- (ii) SCAQMD's "Protocol for Determination of Volatile Organic Compounds (VOC) Capture Efficiency"; or
- (iii) ~~any~~Any other method approved by the ~~United States Environmental Protection Agency~~U.S. EPA, the ~~California Air Resources Board~~CARB, and the District Executive Officer.

(B) The efficiency of the control device of an emission control system as specified in subparagraph (d)(43)(A) and the VOC content in the control device exhaust gases, measured and calculated as carbon, shall be determined by USEPA Test Methods 25, 25A, or SCAQMD Method 25.1 (Determination of Total Gaseous Non-Methane Organic Emissions as Carbon) as applicable. U.S. EPA Test Method 18, or CARB Method 422 shall be used to determine emissions of exempt compounds.

(3) Multiple Test Methods

When more than one test method or set of test methods are specified for any testing, a violation of any requirement ~~of this rule~~of this rule documentation established by any one of the specified test methods or set of test methods shall constitute a violation of the rule.

(i) Rule 442 Applicability

Any automotive coating, automotive coating operation or facility which is exempt pursuant to subdivision (j) from all or a portion of the VOC limits of subdivision (d) shall comply with the provisions of Rule 442 – Usage of Solvents.

(i)(j) Exemptions

(1) This rule shall not apply to:

(A) Any automotive coating applied to motor vehicles or mobile equipment, or their associated parts and components, during manufacture on an assembly line that are subject to Rule 1115 - Motor Vehicle Assembly Line Coating Operations;

(B) Any automotive coating that is expressly offered for sale, sold, or manufactured for use outside of the District or that is for shipment to other manufacturers for reformulation or repackaging;

(C) Any aerosol coating product; and

(D) Any automotive coating that is ~~sold~~, supplied, sold, or offered for sale, marketed, manufactured, blended, packaged or repackaged for use in the District in 0.5 fluid ounces or smaller containers.

(2) The requirements of paragraph (d)(1) shall not apply to automotive coatings applied for educational purposes at automotive coating training centers, which are owned and operated by automotive coating manufacturers, provided that the VOC emissions emitted at a automotive coating training center from automotive coatings not complying with paragraph (d)(1) ~~does~~ do not exceed twelve (12) pounds per day.

(3) The requirements of paragraph (d)(1) shall not apply to automotive coatings supplied by an assembly-line motor vehicle manufacturer for use by a prototype motor vehicle manufacturing facility in the finishing of a prototype motor vehicle, provided that the VOC emissions at the prototype motor vehicle manufacturing facility from such topcoats ~~does~~ do not exceed 21 pounds in a calendar day and 930 pounds in a calendar year.

~~(4) Color and clear coatings that are manufactured prior to the effective date of July 1, 2008, that have a VOC content above the limit specified in Table A of paragraph (d)(1), but not above the applicable limit on the date of manufacture may be possessed, sold, supplied, offered for sale, or applied up to December 31, 2008.~~

- (4) The requirements of subparagraph (d)(6)(A) shall not apply to automotive graphic arts operations, truck bed liner coatings, or underbody coatings.

ATTACHMENT F

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

FINAL STAFF REPORT

**Proposed Amended Rule 1151 - Motor Vehicle And Mobile Equipment Non-Assembly
Line Coating Operations**

September 2014

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**RULE 1151 – MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE
COATING OPERATIONS**

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY

Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations - is a source specific rule that was adopted to reduce Volatile Organic Compound (VOC) emissions, toxic air contaminants, stratospheric ozone-depleting compounds, and global-warming compound emissions from automotive coating operations performed on motor vehicles, mobile equipment and associated parts or components for motor vehicles and mobile equipment.

The prior amendment to the rule was on December 2, 2005, which effectively split Rule 1151 into two parts with two subsequent effective dates for compliance. The first part of Rule 1151, the original rule, became effective on December 2, 2005, and remained in effect through June 30, 2008. The second part of Rule 1151, identified as Appendix A to the rule, became effective on July 1, 2008, superseding and making obsolete the first part of the rule. The two part structure of Rule 1151 currently contains 18 pages of obsolete language immediately followed by 16 pages of currently effective rule language, Appendix A. This structure continues to cause confusion to the regulated community.

The proposed amendment seeks to make administrative changes to the rule to enhance the understanding of current applicable rule requirements by removing obsolete rule language and making minor revisions and editorial corrections. The proposed amendment also adds new definitions to promote clarity and consistency, and further aligns the transfer efficiency equivalency section with the state Suggested Control Measure (SCM). This staff proposal is administrative in nature and will not affect the current VOC limits or existing work practices. It is not expected to yield additional VOC reductions or increases. No socioeconomic impacts are anticipated from this proposal.

**RULE 1151 – MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE
COATING OPERATIONS**

CHAPTER 1: BACKGROUND ON PROPOSED AMENDED RULE 1151

- o INTRODUCTION
- o REGULATORY HISTORY
- o AFFECTED FACILITIES
- o PROCESS DESCRIPTION
- o SPRAY GUN TECHNOLOGY AND TRANSFER EFFICIENCY
REQUIREMENTS

INTRODUCTION

Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations - is a source specific rule that was adopted to reduce Volatile Organic Compound (VOC) emissions, toxic air contaminants, stratospheric ozone-depleting compounds, and global-warming compound emissions from automotive coating operations performed on motor vehicles, mobile equipment and associated parts or components for motor vehicles and mobile equipment.

REGULATORY HISTORY

Rule 1151 was adopted on July 8, 1988, and has been subsequently amended twelve times. The most recent amendment was on December 2, 2005, which incorporated portions of the 2003 AQMP Control Measure CTS-10 and portions of the state Suggested Control Measure (SCM). The amendment included reductions in VOC limits for certain coating categories, a prohibition of possession, an exemption for Tertiary Butyl Acetate (TBAc) as a VOC for formulated coatings, except for color and clear coatings, and modified certain categories such as combining Group I and Group II vehicles, combining all primer subcategories into a general primer category, and eliminating the specialty coating category. The 2005 amendment revised Rule 1151 into a two part rule based on effective dates. The first part of Rule 1151 was effective from December 2, 2005, through June 30, 2008. The second part of Rule 1151, identified as “Appendix A” to the rule, became effective on July 1, 2008, thus superseding the first part of Rule 1151. The two part structure of Rule 1151 currently contains 18 pages of obsolete language immediately followed by 16 pages of currently effective rule language, Appendix A. This structure continues to cause confusion to the regulated community.

AFFECTED INDUSTRIES

Rule 1151 is applicable to any person who supplies, sells, offers for sale, manufactures, or distributes any automotive coating or associated solvent for use within the District, as well as any person who uses, applies, or solicits the use or application of any automotive coating or associated solvent within the District. To determine how many facilities are affected by Rule 1151, staff researched the ~~Class~~ Clean Clean Air Support System (Class) database using Standard Industrial Classification code (SIC) 7532 - Top, Body, and Upholstery Repair Shops and Paint Shops as the search criteria. The CLASS database contains 1,079 Rule 1151 facilities. This database identifies required air permits which are typically for paint spray booths. Table 1 - Permit And Percentage Distribution shows the distribution of these facilities in the four county areas. At a recent meeting with the California Autobody Association (CAA), representatives reported to staff that there are approximately 7,000 active body shops in California, statewide, with approximately 3,150 of those facilities in the southern California area, as estimated based on population. Staff believes the difference between the SCAQMD identified number of facilities and CCA’s estimation reflects the presence of facilities that conduct auto body repair work but without a paint spray booth and facilities that may not be exclusively conducting auto

body and paint operations such as car dealerships, fleet operators, and truck body builders, that do not fall under SIC code 7532.

TABLE 1 – FACILITIES AND PERCENTAGE DISTRIBUTION

COUNTY	ACTIVE FACILITIES (CLASS)	PERCENTAGE
Los Angeles County	700	65%
Orange County	196	18%
Riverside County	83	8%
San Bernardino County	100	9%
AQMD Jurisdiction	1,079	100%

PROCESS DESCRIPTION

Rule 1151 is applicable to all automotive and mobile equipment (such as trains, railcars and truck trailers) refinishing operations that are not a part of a motor vehicle assembly line coating operation. Rule 1151 should not be confused with Rule 1115 - Motor Vehicle Assembly Line Coating Operations which is applicable to all assembly line coating operations conducted during the manufacturing of new motor vehicles [with the exception of facilities subject instead to Rule 1132 – Further Control Of VOC Emissions From High-Emitting Spray Booth Facilities, which applies to larger operations, e.g. Toyota Auto Body California (TABC)].

Automotive refinishing products are used during the repair process to address damage during manufacture, transit or during the service life of the vehicle, and are also used in the restoration, color change and customization of the vehicle as well. Automotive coatings are used in automotive refinishing operations to form a film that serves to beautify, preserve, repair or protect the surface of a motor vehicle, mobile equipment or associated parts and components. Automotive refinishing can be grouped into five broad categories: auto body repair/paint shops, production auto body paint shops, new car dealer repair/paint shops, fleet operators repair/paint shops, and truck body-builders.

Automotive refinishing is typically performed on vehicles that have sustained exterior body damage by conditions such as road hazards or collision. Many damaged vehicles are repaired by a process known as spot repair or for larger afflicted areas, panel repair. Spot repairs can be as small as a door ding and panel repairs are typically larger areas that may require a complete panel replacement, such as a front fender or a door. Less common refinishing operations may include a complete repainting of the entire vehicle, to either renew weathered paint, complete a color change, an automotive restoration, or vehicle customization. The process for the repair

work for a damaged vehicle would include the physical repair of the damaged area, such as dent removal, application of body fillers, conditioning of substrate for subsequent coatings, and the application of an undercoat followed by the topcoat(s).

Automotive refinishing coatings are typically grouped into two different classes, undercoats and topcoats. Undercoats primarily prepare the substrate for subsequent coatings. Undercoats include adhesion promoters for plastic parts, pretreatment coatings for bare metal surface etching, and primers, primer sealers, primer surfacers, and weld-through primers which are used to undercoat the surface prior to application of the topcoat(s). Top coats are typically applied onto prepared primed surfaces and include single-stage coatings, color and clear coat coating systems, and multi-color coatings. Uniform finish coatings are used for blending a spot repair into the surrounding areas for proper color match. Other coating types include underbody coatings which are used on the underside of the exterior body such as inner fender-well and chassis paint which is typically used on floor boards and frame rails. Bed liner coatings are used to coat the bed of pick-up trucks but have also been used as underbody coatings due to their higher resistance to damage.

After a motor vehicle, mobile equipment or associated parts and components have been refinished, the coating will need to cure. Non-assembly line coating operations may use several methods to achieve curing including air dry, forced air dry, infrared heat lamps or a forced air heater. The assembly line coating operations use ovens that thermally cure the coating, a method that cannot be accomplished by non-assembly line coating operations due to the damage the heat would cause to plastic parts such as headlights, tail lights, instrument panels and gauges, cloth or leather interior materials, and rubber parts such as weather-stripping and tires.

When the repainted motor vehicle, mobile equipment or associated parts and components have fully cured, the final stage in automotive refinishing entails detailed sanding of the new finish (in some cases), polishing the finish and reassembly of any components that were removed from the vehicle to facilitate access to the body work. The vehicle is then cleaned, waxed and detailed in preparation for the final presentation for the customer.

SPRAY GUN TECHNOLOGY AND TRANSFER EFFICIENCY REQUIREMENTS

Spray guns are the preferred application equipment used by the automotive coatings industry to apply automotive coatings. The typical spray gun is a pistol shaped device that employs a trigger lever to release the compressed air source to atomize the automotive coating into a sprayable material. The spray gun typically comes in two different coating feed systems. The gravity feed, where a paint cup is fixed on top of the spray gun allows the coating to feed down via gravity to the gun body where the coating is then atomized with supplied compressed air. The second type of spray gun is the siphon feed, or suction feed, where the paint cup is fixed below the gun body and, when ready to spray, the compressed air source is forced through the gun body and creates a

venturi effect thus drawing the paint from the paint cup. The spray gun has relatively few working parts: a trigger lever, which activates the spray gun for spray painting; a fluid needle, which restricts the flow of the coating through the spray gun; a fluid orifice, where the coating is expelled from the spray gun to atmosphere; and, an air cap, which typically has two air horns, one on each side of the fluid orifice, thus allowing compressed air to directly impact the coating material stream expelled from the fluid orifice to form the desired fan spray pattern. The mixing of the compressed air and coating is known as atomization. Paint spray guns have been in use since the early 1920s to spray finishes on a multitude of substrates including automobiles. High Volume, Low Pressure spray equipment or HVLP came to the forefront in regulated areas due to its ability to transfer more atomized coating onto the substrate than what went to atmosphere. When comparing conventional spray technology to HVLP technology, ~~when using a the~~ conventional spray gun; results in approximately one third of the atomized coating goes onto the substrate and two thirds goes to atmosphere. When spraying with a HVLP technology, two thirds of the atomized coating goes onto the substrate and one third of the atomized coating goes to atmosphere. The substrate that is spray coated is also a factor as a large flat surface will absorb more of a sprayed coating compared to a wrought iron gate which consists of multiple round bars with open space between the bars. Overspray is the sprayed coating that does not land on the substrate but rather becomes entrained in the air where the solvents readily evaporate and add to the already polluted air of southern California.

Prior to 1924, automobiles were hand painted by using a brush to apply shellacs and varnishes. The shellacs and varnishes were time consuming to apply and it was difficult to completely brush out all the brush marks before the finish dried. Nitrocellulose lacquer was later introduced for automotive finishes however, the nitrocellulose lacquer also dried too quickly for hand applications. A new application process was introduced, air atomized spray guns, which could spray the nitrocellulose coatings on a vehicle about 10 times faster than hand application and it produced a higher quality finish. Today there are several technologies for spray application and they are discussed below.

Conventional

Conventional spray guns are high pressure, high volume technology and are still manufactured by industry and are sold in areas where strict air pollution rules have not been implemented. This spray gun technology will not meet the transfer efficiency requirements for SCAQMD and are not compliant for use to spray automotive coatings under the purview of SCAQMD Rule 1151.

Electrostatic Spray Application

Electrostatic spray application is another method of coating application where an electrostatic attraction is created between the part to be coated and the paint particles. This process is similar to powder coating and requires specialized application equipment. The electrostatic application

is facilitated by inducting an electric charge into the liquid paint prior to spraying the paint onto a grounded object using a spray gun specific to electrostatic application. The high transfer efficiency of this system, up to 98% claimed by some manufacturers, is accomplished by the attraction of paint particles to the surface of the grounded object. Manufacturers claim that the charged paint particles can actually change direction in mid air, even up to 180 degrees, before attracting to a grounded object. ~~A typical use~~ Typical uses for electrostatic application are new replacement automotive body panels such as replacement fenders, hoods, truck lids and patch panels.

High Volume Low Pressure (HVLP)

HVLP spray guns are the staple of spray guns and were created to meet the transfer efficiency requirements of governmental agencies, including the SCAQMD. HVLP spray guns can meet the high transfer efficiency requirement and operate at less than 10 psi at the air cap. HVLP spray guns are used in the South Coast Air Basin to spray coatings for a multitude of categories including automotive coatings, metal coatings, wood coatings, industrial coatings and marine coatings.

Low Volume Low Pressure (LVLP)

LVLP spray guns are a subset of non-conventional spray guns and may be used in the spraying of automotive coatings provided they meet the transfer efficiency requirements as stipulated identified in Rule 1151 clause (d)(6)(A)(iv) or clause (d)(6)(A)(v). LVLP offers an alternative to HVLP because they have less air flow requirements and can be used with a smaller compressor. This makes LVLP appealing for mobile painters and applicators that use a small air compressor. Manufacturers of LVLP spray guns state that LVLP can operate at less than 10 psi at the air cap and achieve transfer efficiencies equivalent to HVLP application. The working speed of LVLP is not as fast as HVLP spray guns.

Low Volume Medium Pressure (LVMP)

LVMP spray guns are a subset of the non-conventional spray guns and may be used in the spraying of automotive coatings provided the requirements in Rule 1151 clause (d)(6)(A)(v) for transfer efficiency are met including achieving equivalent or better transfer efficiency to HVLP using the test method protocols prescribed in Rule 1151 to determine transfer efficiency, and obtaining written approval from the Executive Officer prior to use.

Reduced Pressure (RP)

RP spray guns are a subset of non-conventional spray guns and may be used in the spraying of automotive coatings provided the requirements in Rule 1151 clause (d)(6)(A)(v) for transfer efficiency are met including achieving equivalent or better transfer efficiency to HVLP using the test method protocols prescribed in Rule 1151 to determine transfer efficiency, and obtaining written approval from the Executive Officer prior to use. RP spray guns also use smaller air

compressors because they need less air flow requirements than HVLP spray guns which makes RP attractive for mobile painters. RP can be an alternative to HVLP and has a fast working speed comparable to HVLP guns.

Pressure Fed (PF)

PF spray guns are unique as compared to the other types of spray guns in that they are equipped with auxiliary containers used for holding larger quantities of coating product. PF spray guns can be used in the spraying of automotive coatings provided all the requirements in Rule 1151 clause (d)(6)(A)(v) for transfer efficiency are met including achieving equivalent or better transfer efficiency to HVLP using the test method protocols prescribed in Rule 1151 to determine transfer efficiency, and obtaining written approval from the Executive Officer prior to use.

New Conventional (NC)

Staff has identified an additional subset of conventional spray guns being marketed as New Conventional (NC) which appears to be new technology. Manufacturers of such spray guns claim the NC spray guns offer the same wide pattern (spray) as the old conventional spray guns but have better transfer efficiency, and have the ability to spray thick fluids. This technology could be used for spraying automotive coatings but only if the spray gun meets all the requirements in Rule 1151 clause (d)(6)(A)(v) for transfer efficiency including achieving equivalent or better transfer efficiency to HVLP using the test method protocols prescribed in Rule 1151 to determine transfer efficiency, and obtaining written approval from the Executive Officer prior to use.

Transfer Efficiency Requirements

Rule 1151 has transfer efficiency requirements for applying an automotive coating to non-assembly line coating operations to a motor vehicle, mobile equipment, or their associated parts and components. The transfer efficiency requirement for spray application is use of electrostatic, HVLP spray equipment, and other spray guns that meet the HVLP definition of definition of paragraph (c)(17) in design and use. Demonstration must be based on the manufacturer's published technical material on the design of the spray gun and by demonstration of the operation of the spray gun using an air pressure tip gauge from the manufacturer of the spray gun [See clause (d)(6)(A)(iv)].

Brush and roller coating are applied directly from the paint brush bristles or the roller to the substrate and have a very high coating to substrate transfer efficiency. Dip coatings are simply a container filled with paint where an object is dipped into the coating which also provides a very high coating to substrate transfer efficiency. Brush, roller and dip coating processes are proposed to be included as compliant transfer efficiency processes as specified in clause

(d)(6)(A)(iii) of the transfer efficiency requirements in order to be to be consistent with the Coating Application Methods provision in the state Suggested Control Measure.

In addition, Rule 1151 provides for two test methods for spray guns that do not meet the HVLP definition in design and use to determine if such spray guns can meet the transfer efficiency requirements, SCAQMD method “Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989” and SCAQMD “Guidelines for Demonstrating Equivalency With District Approved Transfer Efficiency Spray Gun September 26, 2002” [See clause (h)(1)(F)]. Any spray gun used in the SCAQMD jurisdiction must meet the criteria for these test methods to qualify as a compliant transfer efficient spray gun for use in the SCAQMD jurisdiction.

Automotive Graphic Arts Operations and ~~Brush, Roller, Dip~~

Automotive Graphic Arts Operations include artistic designs such as scenic murals, custom lettering, and other custom paint effects such as tablecloth lace designs, scallops, flames, and multi-hued designs typically used on customized vehicles. Pinstriping is a custom paint technique that can be used to separate different colors or to just add custom pin-thin design graphics to a vehicle. These paint tricks are performed with a multitude of application methods such as modified paint brushes, specialized dagger style brushes specific to pinstriping, and various types of roller applications. In some cases, custom painters may even use a sponge to achieve a desired effect. ~~Dip coatings are simply a container filled with paint that an object is dipped into to receive its coating.~~ Automotive graphic arts operations are proposed to be exempt under paragraph (j)(4) from the transfer efficiency requirements in order to be consistent with the Coating Application Methods provision in the state Suggested Control Measure.

Truck Bed Liner and Underbody Coatings

Truck bed liner and underbody coatings are thicker viscosity coatings that may require specialized application equipment for application. Truck bed liner coatings are typically rubberized coatings that are sprayed into the truck bed cavity to protect the cavity of pick-up trucks from scrapes and scratches when hauling cargo. Underbody coatings are typically “rubberized asphaltic” coatings and are used for sound deadening or corrosion protection and are typically applied to areas such as wheel wells, the inside of door panels or fenders, the underside of a truck or hood or the underside of the vehicle itself. Truck bed liner and underbody coatings are also being proposed to be exempt under paragraph (j)(4) from the transfer efficiency requirements in order to be to be consistent with the Coating Application Methods provision in the state Suggested Control Measure.

**RULE 1151 – MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE
COATING OPERATIONS**

CHAPTER 2: SUMMARY OF PROPOSED AMENDED RULE 1151

- o OVERVIEW: PROPOSED AMENDMENT TO RULE 1151
- o REMOVE OBSOLETE RULE LANGUAGE
- o SUBDIVISION (A) PURPOSE
- o SUBDIVISION (B) APPLICABILITY
- o SUBDIVISION (C) DEFINITIONS
- o SUBDIVISION (D) REQUIREMENTS
- o SUBDIVISION (E) PROHIBITION OF SALES, SPECIFICATION AND SALE
- o SUBDIVISION (F) RECORDKEEPING REQUIREMENTS
- o SUBDIVISION (G) ADMINISTRATIVE REQUIREMENTS
- o SUBDIVISION (H) TEST METHODS
- o SUBDIVISION (I) RULE 442 APPLICABILITY
- o SUBDIVISION (J) EXEMPTIONS

OVERVIEW: PROPOSED AMENDMENT TO RULE 1151

Proposed Amended Rule (PAR) 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations is a source specific rule that regulates the automotive coating industry through limiting various automotive coating categories with prescribed VOC content limits and through the implementation of work practices. In an effort to enhance the understanding of current applicable rule requirements, the proposed amendment seeks to make administrative changes to the rule by removing obsolete rule language, and by making minor revisions and editorial corrections. The proposed amendment also adds new definitions to promote clarity and consistency, and further aligns the transfer efficiency equivalency requirements with the state Suggested Control Measure (SCM). This staff proposal is administrative in nature and will not affect the current VOC limits or work practices impacted by the rule.

The December 2, 2005 amendment effectively split Rule 1151 into two parts with two subsequent effective dates for compliance. The first part of Rule 1151, the original rule, became effective on December 2, 2005 and remained in effect through June 30, 2008. The second part of Rule 1151, identified as Appendix A, became effective on July 1, 2008 and superseded the first part of the rule, which is now obsolete.

REMOVE OBSOLETE RULE LANGUAGE

Staff recognizes that the two part structure of the existing rule is rather cumbersome and has often been confusing to the regulated community. The current version of Rule 1151 requires familiarity with the rule structure in general and requires diligence in reading since the first part of the rule is comprised of 18 pages of obsolete rule language immediately followed by 16 more pages of Appendix A, which is the operative portion of the rule. The current format may result in the reader referring to the VOC content limits in the first part of the rule instead of the more stringent VOC content limits in Appendix A. This could result in potential compliance issues with selection of appropriate coatings. Staff is proposing to delete the obsolete portion of Rule 1151 and retain the currently applicable Appendix A language. Additionally, staff intends to make minor revisions to the purpose, applicability, rule definitions, table of standards formatting, requirements, and other subdivisions of the current rule language and include clarifications and editorial corrections as necessary. The proposed rule amendment is outlined below, identified by rule subdivision.

SUBDIVISION (A) PURPOSE

Staff is proposing to make minor revisions to this paragraph to improve the clarity of the purpose of the rule and by adding the additional text “*associated parts and components.*”

“The purpose of this rule is to ~~limit~~ reduce volatile organic compound (VOC) emissions, toxic air contaminants, stratospheric ozone-depleting compounds, and global-warming compound emissions from automotive coatings operations associated with the coating of applications onto motor vehicles, ~~and~~ mobile equipment, and associated parts and components.”

SUBDIVISION (B) APPLICABILITY

Staff is proposing to make minor revisions to this paragraph to improve clarity.

“This rule is applicable to any person who supplies, sells, offers for sale, markets, manufactures, blends, packages, repackages, possesses or distributes any automotive coating ~~or associated solvent~~ or associated solvent for use within the District, as well as any person who uses, applies, or solicits; the use or application of any automotive coating or associated solvent within the District.”

SUBDIVISION (C) DEFINITIONS

Subdivision (c) contains the definitions to Rule 1151 and this proposed amendment includes three types of revisions: three new definitions are being proposed to be added to promote clarity and consistency; edits and corrections are being proposed to certain existing definitions to improve clarity; and, three unnecessary definitions are being proposed for deletion.

Proposed new definitions to be added to Rule 1151

The following new definitions are proposed to address automotive graphic arts operations, make a reference to Rule 1171 – Solvent Cleaning Operations to be consistent with other SCAQMD rules and to address stakeholder inquiries related to appropriate categorization of weld-through primers as a defined primer.

“(7) AUTOMOTIVE GRAPHIC ARTS OPERATION means the application of logos, letters, designs, numbers, or graphics to a painted surface by brush, roller or airbrush.”

“(25) SOLVENT CLEANING OPERATIONS is as defined in rule 1171 – Solvent Cleaning Operations.”

“(33) WELD-THROUGH PRIMER means an automotive coating designed and labeled exclusively to provide a bridging or conducting effect for corrosion protection following welding.”

Proposed revisions to existing Definitions

The proposed amendment adds new definitions to promote clarity and consistency. Revisions are proposed for a number of existing definitions:

- (1) *ADHESION PROMOTER means ~~a~~ any automotive coating, which is specifically labeled and formulated to be applied to uncoated plastic surfaces to facilitate bonding of subsequent automotive coatings, and on which, a subsequent automotive coating is applied.*

- (2) *AEROSOL COATING PRODUCT means a pressurized coating product containing pigments or resins that dispenses product ingredients by means of a propellant, and is packaged in a disposable can for hand-held application, or for use in specialized equipment for ground traffic/marking applications.*
- (4) *ASSOCIATED PARTS AND COMPONENTS means structures, devices, pieces, modules, sections, assemblies, subassemblies, or elements of any motor vehicles or mobile equipment that are designed to be a part of any motor vehicles or mobile equipment but which are not attached to any motor vehicles or mobile equipment at the time of the application of an automotive coating to such ~~the~~ structure, device, piece, module, section, assembly, subassembly, or element. ~~The~~ Associated parts and components ~~definition does~~ do not include circuit boards.*
- (5) *AUTOMOTIVE COATING means any coating ~~or coating component~~ used or recommended for use in motor vehicles, ~~or~~ mobile equipment or associated parts and components in refinishing, service, maintenance, repair, restoration, or modification, except metal plating activities. Any reference to automotive refinishing or automotive coating ~~made by a person on the container or in product literature constitutes a recommendation for use in motor vehicle,~~ ~~or~~ mobile equipment and associated parts and components refinishing.*
- (6) *AUTOMOTIVE COATING COMPONENT means any portion of a coating, including, but not limited to, a reducer or thinner, toner, hardener, and additive, which is recommended ~~by any person to distributors or end users~~ for use in an automotive coating, or which is used in an automotive coating. The raw materials used to produce the components are not considered automotive coating components.*
- ~~(10)~~(9) *CLEAR COATING means any automotive coating that ~~contains no pigments~~ is formulated with materials that do not impart color and is specifically labeled and formulated for application over a color coating or clear coating.*
- ~~(12)~~(11) *COLOR COATING means any pigmented automotive coating, excluding automotive adhesion promoters, primers, and multi-color coatings, that requires a subsequent clear coating and which is applied over primer, ~~or~~ adhesion promoter or color coating. Color coatings include metallic/iridescent color coatings.*
- ~~(13)~~(12) *ELECTROSTATIC SPRAY APPLICATION means any method of spray application of automotive coatings where an electrostatic attraction is created between the part to be coated and the paint particles.*

The proposed amended language for definitions #~~14~~15 and #~~15~~16 are shown below in part, less equations-language. There are no changes to either equation.

~~(16)~~(15) *GRAMS OF VOC PER LITER OF COATING LESS WATER AND LESS EXEMPT COMPOUNDS, OR REGULATORY VOC, is the weight of voc per combined volume of voc and coating solids and shall be calculated by the following equation:*

~~(17)~~(16) *GRAMS OF VOC PER LITER OF MATERIAL, OR ACTUAL VOC, is the weight of VOC per volume of material and shall be calculated by the following equation:*

The following revisions are proposed for the remainder of the existing definitions:

~~(18)~~(17) *HIGH-VOLUME, LOW-PRESSURE (HVLP) means spray application equipment designed to atomize 100 percent by air pressure only and is operated between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure measured dynamically at the center of the air cap and at the air horns.*

~~(19)~~(18) *METALLIC/IRIDESCENT COLOR COATING means any automotive coating that contains more than 0.042 pounds per gallon (5 grams per liter) of metal or iridescent particles as applied, where such particles are visible in the dried film.*

~~(21)~~(20) *MOTOR VEHICLE means any self-propelled vehicle, including, but not limited to, motorcycles, passenger cars, light-duty trucks and vans, medium-duty and heavy duty vehicles as defined in Section 1900, Title 13, of the California Administrative Code. Additional examples include, but are not limited to, buses, golf carts, ~~vans,~~ ~~motoreycles,~~ tanks, and armored personnel carriers.*

~~(22)~~(21) *MULTI-COLOR COATING means any automotive coating that exhibits more than one color in the dried film after a single application, is packaged in a single container, and hides surface defects on areas of heavy use, and which is applied over a primer or adhesion promoter.*

~~(23)~~(22) *PRETREATMENT COATING means any automotive coating that contains a minimum of one-half (0.5) percent acid by weight and not more than 16 percent solids by weight necessary to provide surface etching and that is specifically labeled and formulated for application directly to bare metal surfaces to provide corrosion resistance and adhesion.*

~~(24)~~(23) *PRIMER means any automotive coating, ~~which~~ that is specifically labeled and formulated for application to a substrate to provide 1) a bond between the substrate*

and subsequent coats, 2) corrosion resistance, 3) a smooth substrate surface, or 4) resistance to penetration of subsequent coats, and on which a subsequent coating is applied. Primers may be pigmented and include weld-through primers.

- (25)(24) *SINGLE-STAGE COATING* means any pigmented automotive coating, (excluding automotive adhesion promoters, primers and multi-color coatings) specifically labeled and formulated for application without a subsequent clear coat coating and applied over primer, adhesion promoters, or color coating. Single-stage coatings include single-stage metallic/iridescent coatings.
- (26) *SPOT REPAIR* means repair of an area on a motor vehicle, ~~piece of~~ mobile equipment, or associated parts or components of less than ~~1~~ one square foot (929 square centimeters).
- (27) *TEMPORARY PROTECTIVE COATING* means any automotive coating ~~which is~~ specifically labeled and formulated for the purpose of temporarily protecting areas from overspray or mechanical damage.
- (28) *TRANSFER EFFICIENCY* means the amount of coating solids adhering to the object being coated divided by the total amount of automotive coating solids sprayed, expressed as a percentage.
- (29) *TRUCK BED LINER COATING* means any automotive coating, excluding color, multi-color, and single stage coatings, specifically labeled and formulated for application to a truck bed to protect it from surface abrasion.
- (30) *UNDERBODY COATING* means any automotive coating specifically labeled and formulated for application to wheel wells, the inside of door panels or fenders, the underside of a trunk or hood, or the underside of the motor vehicle.
- (31) *UNIFORM FINISH COATING* means any automotive coating specifically labeled and formulated for application to the area around a spot repair for the purpose of blending a repaired area's color or clear coat to match the appearance of an adjacent area's existing coating.

Rule 1151 includes an allowance for tertiary butyl acetate (TBAC) for automotive coating formulations in which TBAC is considered a non-VOC except for color coatings and clear coatings. The December 2, 2005 amendment to Rule 1151 included a requirement for a technical assessment on the use of TBAC as a non-VOC by July 1, 2007. However, staff did not find any automotive coatings that contained TBAC to conduct the review and staff continues to

~~review~~evaluate the issue. Staff recently received correspondence from the Office of Environmental Health Hazards Assessment (OEHHA) indicating that they intend to complete their toxicity review for TBAC towards the end of 2014 or spring 2015. Staff proposes to incorporate OEHHA findings as part of the technical assessment for Rule 1151 with a revised completion date of December 31, 2016, provided there are automotive coatings that contain TBAC available to conduct the assessment:

~~(33)~~(32) *VOLATILE ORGANIC COMPOUND (VOC) is as defined in Rule 102-Definition of TERMS. For the purpose of this rule, tertiary butyl acetate (TBAC) is not a VOC when used in automotive coatings other than color coatings and clear coatings.*

“The Executive Officer shall conduct a technical assessment on the use of TBAC as a non-VOC by ~~July 1, 2007~~December 31, 2016. In conducting the technical assessment, the Executive Officer shall consider all information available to the SCAQMD on TBAC including, toxicity, carcinogenic and health risk assessment studies. The Executive Office shall report to the Governing Board as to the appropriateness of maintaining TBAC as a non-VOC.”

Definitions to be deleted from Rule 1151

There are three definitions in the current rule that are proposed for deletion. Definition #9, Cleaning Operations, is proposed to be deleted in favor of definition #24, Solvent Cleaning Operations (moved to maintain alphabetical ordering). The Solvent Cleaning Operations is a definition contained within many coating rules and it will be proposed for inclusion to Rule 1151 as well for consistency.

Staff proposes to delete the current definition of CLEANING OPERATIONS in paragraph (c)(9) and replace it with SOLVENT CLEANING OPERATIONS as paragraph (c)(25).

~~(9) — CLEANING OPERATIONS means the removal of loosely held uncured adhesives, inks, coatings, or contaminants, including, but not limited to, dirt, soil, or grease, from motor vehicles, mobile equipment, associated parts and components, substrates, parts, products, tools, machinery, equipment, or general work areas.~~

The second and third definitions, #8 and #32, are not necessary to keep in the rule. These definitions are not used in other SCAQMD coating rules therefore staff proposes to remove these definitions for consistency.

~~(8) — CARB means the California Air Resources Board.~~

~~(32) — U.S. EPA means the United States Environmental Protection Agency.~~

SUBDIVISION (D) REQUIREMENTS

In an effort to enhance the understanding of current applicable rule requirements, the proposed amendment seeks to make administrative changes to the rule by removing obsolete rule language, and making minor revisions and editorial corrections.

Paragraph (d)(1)

“A person shall not apply any automotive coating to a motor vehicle, mobile equipment, or associated parts or components, of a motor vehicle or mobile equipment that have a contains VOC content in excess of the limits contained in Table A of this paragraph in excess of the limits specified in the Table of Standards below. Compliance with the applicable VOC content limits shall be based on VOC content, including any VOC-material added to the original automotive coating supplied by the manufacturer, less water and exempt compounds, as applied, to the vehicle, mobile equipment or parts and components less water and exempt compounds.”

VOC Content Limit Compliance Table

The current version of Rule 1151 contains a table in subdivision (d) under the heading of “Table A – Coating Categories and VOC limits.” This table shows obsolete VOC limits for several coating categories typically used in automotive coating operations. Staff proposes to reformat the table and show only the current VOC content limits.

TABLE OF STANDARDS

<u>VOC CONTENT LIMITS</u>		
<u>Grams per Liter of Coating, Less Water and Less Exempt Compounds</u>		
<u>AUTOMOTIVE COATING CATEGORIES</u>	<u>Current Limit</u>	
	<u>g/L</u>	<u>Lb/Gal</u>
<u>Adhesion Promoter</u>	<u>540</u>	<u>4.5</u>
<u>Clear Coating</u>	<u>250</u>	<u>2.1</u>
<u>Color Coating</u>	<u>420</u>	<u>3.5</u>
<u>Multi-Color Coating</u>	<u>680</u>	<u>5.7</u>
<u>Pretreatment Coating</u>	<u>660</u>	<u>5.5</u>
<u>Primer</u>	<u>250</u>	<u>2.1</u>
<u>Single-Stage Coating</u>	<u>340</u>	<u>2.8</u>
<u>Temporary Protective Coating</u>	<u>60</u>	<u>0.5</u>
<u>Truck Bed Liner Coating</u>	<u>310</u>	<u>2.6</u>
<u>Underbody Coating</u>	<u>430</u>	<u>3.6</u>
<u>Uniform Finishing Coating</u>	<u>540</u>	<u>4.5</u>
<u>Any Other Coating Type</u>	<u>250</u>	<u>2.1</u>

Paragraph (d)(2) – Most Restrictive VOC Limit

Staff is proposing to make minor revisions by differentiating “coatings” as “automotive coatings” and making editorial corrections.

“If any representation ~~on~~ or information on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature ~~supplied by a person~~ that indicates that the automotive coating meets the definition of or is recommended for use for more than one of the automotive coating categories listed in paragraph (d)(1), then the lowest VOC content limit shall apply.”

Paragraph (d)(3) - VOC Limits Compliance Dates

Paragraph (d)(3) contains a compliance date requirement that has expired. Staff proposes to remove the obsolete rule language and renumber the subsequent paragraphs in subdivision (d).

VOC Limits Compliance Dates

~~The VOC limits in effect as of December 2, 2005 shall be applicable until superseded by the VOC limits and effective dates in Table A of paragraph (d)(1).~~

“Paragraph (d)(3) – Alternative Compliance”(A) Emission Control System

“A person may comply with the provisions of paragraph (d)(1), by using an approved emission control system, consisting of collection and control devices, ~~that is provided such emission control system is~~ has been approved pursuant to Rule 203 – Permit to Operate, in writing, by the Executive Officer for reducing emissions of VOC. The Executive Officer shall approve such emission control system only if the VOC emissions resulting from the use of non-compliant automotive coatings will be reduced to a level equivalent to or lower than that which would have been achieved by the compliance with the terms of paragraph (d)(1). [...]

$VOC_{LWn,Max}$ = Maximum VOC content of non-compliant automotive coating used in conjunction with a control device, less water and exempt compounds.

$D_{n,Max}$ = Density of VOC solvent, reducer, or thinner contained in the non-compliant automotive coating containing the maximum VOC.

D_c = Density of corresponding VOC solvent, reducer, or thinner used in the compliant automotive coating system = 880 g/L.

Paragraph (d)(4) – Exempt Compounds

“A person shall not manufacture, sell, offer for sale, distribute for use in the District, or apply any automotive coating which contains any Group II Exempt Compounds as defined in Rule 102.”

Paragraph (d)(5) – Carcinogenic Materials

“A person shall not manufacture ~~the~~ automotive coatings for use in the SCAQMD in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the automotive coatings during manufacturing, distribution, or use of the applicable automotive coatings.”

Paragraph (d)(6) – Transfer Efficiency

Staff is proposing to augment the current language in paragraph (d)(6) by including the term “automotive coatings” and including additional language for “application of automotive coatings to a motor vehicle, mobile equipment or any associated parts or components to a motor vehicle or mobile equipment”. In addition, staff is also proposing new language to address the current HVLP requirements for spray guns that are used to apply automotive coatings.

- (A) *A person shall not apply automotive coatings to any motor vehicle, mobile equipment or any associated parts or components to a motor vehicle or mobile equipment except by the use of one of the following methods:*
- (i) *electrostatic application, or*
 - (ii) *high-volume, low-pressure (HVLP) spray, or*
 - (iii) *brush, dip, or roller, or*
 - (iv) *Spray gun application, provided the owner or operator demonstrates that the spray gun meets the HVLP definition in paragraph (c)(17) in design and use. A satisfactory demonstration must be based on the manufacturer’s published technical material on the design of the spray gun and by a demonstration of the operation of the spray gun using an air pressure tip gauge from the manufacturer of the spray gun.*
 - (iiiiv) *Any such other automotive coating application methods as ~~are~~ demonstrated, in accordance with the provisions of subparagraph (h)(1)(~~EF~~), to be capable of achieving equivalent or better transfer efficiency than the automotive coating application method listed in clause (d)(6)(A)(ii), ~~and for which~~ provided written approval is obtained ~~of from~~ the Executive Officer ~~has been obtained~~ prior to use.*
- (B) *A person shall not apply any automotive coatings by any of the methods listed in subparagraph (d)(6)(A) unless the automotive coating is applied with properly operating equipment, operated according to procedures recommended by the manufacturer and in compliance with applicable permit conditions, if any.”*

SUBDIVISION (E) PROHIBITION OF POSSESSION, SPECIFICATION AND SALE

Staff is proposing to make minor revisions to following subdivision by differentiating coatings as automotive coatings and making editorial corrections.

Paragraph (e)(1)

“For the purpose of this rule, no person that applies automotive coatings subject to this rule shall ~~posses~~ possess any automotive coating that is not in compliance with requirements of paragraph (d)(1), unless one or more of the following conditions apply:”

- (A) The automotive coating is ~~located~~ for use at a facility that utilizes an approved emission control device pursuant to subparagraph (d)(~~43~~)(A), and the coating meets the limits specified in permit conditions.*
- (B) The automotive coating is ~~located~~ for use at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to subparagraph (d)(~~43~~)(B), and the automotive coating is specified in the plan.*
- (C) The automotive coating is ~~located~~ for use at a training center and the automotive coating is used for educational purposes, provided that the VOC emissions from automotive coatings not meeting the VOC limits of paragraph (d)(1) do not exceed twelve (12) pounds per day.*
- (D) “The automotive ~~type~~ coating is ~~located~~ for use at a prototype motor vehicle manufacturing facility and the automotive coating is supplied by an assembly-line motor vehicle manufacturer specifically for use in the refinishing of a prototype motor vehicle, provided that the VOC emissions from all automotive coatings not meeting the VOC limits of paragraph (d)(1) do not exceed twenty-one (21) pounds per day and 930 pounds in any one calendar year.”*

Paragraph (e)(2)

“(2) For the purpose of this rule, no person shall solicit from, specify, or require any other person to use in the District any automotive coating which, when applied as supplied or thinned or reduced according to the manufacturer's recommendation for application, does not meet the:”

Subparagraph (e)(2)(A)

“~~applicable~~ Applicable VOC limits required by paragraph (d)(1) for the specific application unless:”

Clause (e)(2)(A)(i)

“(i) The automotive coating is located at a facility that utilizes an approved emission control device pursuant to subparagraph (d)(43)(A), and the automotive coating meets the limits specified in permit conditions; or,”

Clause (e)(2)(A)(ii)

“(ii) The automotive coating is ~~coating~~ is located at a facility that operates in compliance with an approved Alternative Emissions Control Plan pursuant to subparagraph (d)(43)(B), and the automotive coating is specified in the plan; or”

Clause (e)(2)(A)(iii)

“(iii) ~~the~~ The automotive coating is specifically exempt pursuant to subdivision (ij) of this rule.”

Subparagraph (e)(2)(B)

~~the~~ The requirements of paragraphs (d)(54) and (d)(65).”

Paragraph (e)(3)

~~No~~ For the purpose of this rule, no person shall supply, sell, offer for sale, market, blend, package, repackage or distribute for use in the District any automotive coating for use within the District subject to the provisions in this rule which, when applied as supplied or thinned or reduced according to the manufacturer's recommendation for application, does not meet the:”

Clause (e)(3)(A)(i)

“~~The automotive coating is located for use~~ The automotive coating is located for use at a facility that utilizes an approved emission control device pursuant to subparagraph (d)(43)(A), and the coating meets the limits specified in permit conditions; or,”

Clause (e)(3)(A)(ii)

“~~The automotive coating is specifically exempt under subdivision (ij) of this rule; or,~~”

Clause (e)(3)(A)(iii)

“~~The automotive coating is ~~coating is located for use~~ at a facility that operates in ~~compliance~~ accordance with an approved Alternative Emissions Control Plan pursuant to subparagraph (d)(43)(B), and the automotive coating is specified in the plan; and,”~~

Clause (e)(3)(A)(iv)

“~~The person that offers for supplies, sells, offers for sale, markets, blends, packages, repackages sale or distributes the automotive coating keeps the following records for at least five years and makes them available to the Executive Officer upon request:~~”

Subclause (e)(3)(A)(iv)(I)

“Automotive coating ~~Coating~~-name and manufacturer;”

Subclause (e)(3)(A)(iv)(II)

“Application method as recommended;”

Subclause (e)(3)(A)(iv)(III)

“Automotive coating ~~Coating~~-category and mix ratio specific to the automotive coating;”

Subclause (e)(3)(A)(iv)(IV)

“VOC content of the automotive coating;”

Subclause (e)(3)(A)(iv)(V)

“Documentation such as manufacturer specification sheets, material safety data sheets, technical data sheets, or any other air quality data sheets that demonstrate that the material is intended for use as ~~an~~ automotive coating;”

Subclause (e)(3)(A)(iv)(VI)

“Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the VOC content of each ready-to-spray automotive coating (based on the manufacturer’s stated mix ratio) and automotive coating components and VOC content of each solvent;”

Subclause (e)(3)(A)(iv)(VII)

“Purchase records identifying the automotive coating category, name, and volume of automotive coatings; and”

Subclause (e)(3)(A)(iv)(VIII)

~~“The~~ In addition, for sale to an end-user, the name and address of the person ~~purchasing~~ receiving the automotive coating, a statement of the basis an acknowledgement warranting that the sale to an end-user ~~purchase~~ will comply with this paragraph, including if use is for outside the District, and acknowledgement by the purchaser that this statement is correct.”

Subparagraph (e)(3)(B)

“~~or does not meet the~~ The requirements of paragraphs (d)(~~54~~) and (d)(~~65~~).”

Paragraph (e)(4)

~~“No~~*For the purpose of this rule, no person shall solicit from, specify, require, offer for sale to, sell to, or distribute to any other person for use in the District any automotive coating application equipment which does not meet the requirements of subparagraph (d)(76)(A).”*

Paragraph (e)(5)

Staff is proposing to add clarifying language to the prohibition of sale requirements for HVLP guns by specifically identifying that the required information to be provided with the sale shall be based on published technical material on the design and demonstration of the air pressure. The demonstration is a requirement for the manufacturer in preparing the required information distributed in conjunction with a sale – it is not intended as a field demonstration prior to each individual HVLP gun sale.

~~“No~~*For the purpose of this rule, no person shall offer for sale, sell, supply, market, offer for sale or distribute an HVLP spray gun for use within the SCAQMD unless the person offering for sale, selling, marketing or distributing the HVLP spray gun for use within the SCAQMD provides accurate information to the spray gun recipient on the maximum inlet air pressure to the spray gun which would result in a maximum air pressure of 10 pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns based on the manufacturer’s published technical material on the design of the spray application equipment and by a demonstration of the operation of the spray application equipment using an air pressure tip gauge from the manufacturer of the gun. The information shall either be permanently marked on the gun, or provided on the company's letterhead or in the form of technical literature which clearly identifies the spray gun manufacturer, the salesperson, seller, or the distributor.”*

Paragraph (e)(6)

~~“The~~*For the purpose of this rule, the requirements of paragraphs (e)(1), (e)(2), (e)(3), ~~(e)(4)~~ or ~~(e)(45)~~ or (e)(4) shall apply to all written or oral agreements executed and entered into under the terms of which an automotive coating or an automotive coating application equipment shall be used at any location within the District.”*

SUBDIVISION (F) RECORDKEEPING REQUIREMENTS

Staff intends to clarify the recordkeeping requirements for automotive coatings that are formulated with TBAC. The proposed definition for VOC allows TBAC in the formulation of non-color and non-clear coatings where TBAC is considered a non-VOC when determining the VOC of the coating for compliance purposes with subparagraph (d)(1). This gives automotive coating manufacturers the ability to formulate non-color and non-clear coatings using TBAC to meet the VOC requirements in the proposed Table of Standards in paragraph (d)(1). Staff is proposing to make minor revisions to the following paragraph as follows:

Paragraph (f)(1) Recordkeeping For VOC Emissions

“(1) Recordkeeping for VOC Emissions

Records of automotive coating usage shall be maintained pursuant to SCAQMD Rule 109 – Recordkeeping for Volatile Organic Compound Emissions, and shall at a minimum include the following information:”

- “(C) Automotive coating ~~Coating~~ category and mix ratio specific to the coating;*
- (D) ~~VOC-actual~~Actual VOC and regulatory VOC, for the automotive coating;*
- (E) Documentation such as manufacturer specification sheets, material safety data sheets, technical data sheets, or any other air quality data sheets that demonstrate that the material is intended for use as ~~an~~ automotive coating or solvent;*
- (F) Current manufacturer specification sheets, material safety data sheets, technical data sheets, or air quality data sheets, which list the actual VOC ~~actual for coatings~~ and ~~VOC-regulatory~~ VOC, for ~~coatings~~ of each ready-to-spray automotive coating (based on the manufacturer’s stated mix ratio), ~~and~~ automotive coating components used and the VOC content of for each solvent used; and,*
- (G) Purchase records identifying the automotive coating category, name, and the total volume of all coatings and solvents used.”*

SUBDIVISION (G) ADMINISTRATIVE REQUIREMENTS

Staff is proposing to make minor revisions to following subdivision by differentiating coatings as automotive coatings and making editorial corrections.

Subdivision (g) – Add Automotive to Coating Manufacturer

“(g) Administrative Requirements for Automotive Coating Manufacturers”

Paragraph (g)(1) – Compliance Statement Requirement

“For each individual automotive coating, automotive coating component, and ready to spray mixture (based on the manufacturers stated mix ratio), the manufacturer shall include the following information on a product data sheet, or an equivalent medium:

- (A) The actual VOC and regulatory VOC for automotive coatings (in grams per liter);”*

Paragraph (g)(2) – Labeling Requirements

“(A) The manufacturer of ~~automobile~~ automotive coatings or automotive coating components, including hardeners, with the exception of solvents such as reducers and thinners, shall include on all containers the applicable use automotive coating category(ies), and the ~~VOC-actual~~ VOC and regulatory VOC, for ~~coatings~~, as supplied (in grams of VOC per liter of material) and in grams of VOC per liter of material, less water and less exempt compounds).”

“(B) *The manufacturer of solvents, including reducers and thinners, subject to this rule shall include on all containers the actual VOC content for solvents, as supplied (in grams of VOC per liter of material).*”

SUBDIVISION (H) TEST METHODS

Staff is proposing to make minor revisions to following subdivision by differentiating coatings as automotive coatings and making editorial corrections.

Subparagraph (h)(1)(A)

Add the word “automotive” to “coatings”: “*VOC Content of Automotive Coatings*”

Clause (h)(1)(A)(i)

“(i) *United States Environmental Protection Agency (“U.S. EPA”) Reference Test Method 24, (Determination of Volatile Matter Content, Water Content, Volume Solids and Weight Solids of Surface Coatings, Code of Federal Regulations, Title 40 Code of Federal Regulations, Part 60, Appendix A). The exempt compounds’ content shall be determined by South Coast Air Quality Management District (SCAQMD) Laboratory Test Method 303 (Determination of Exempt Compounds) contained in the SCAQMD “Laboratory Method of Analysis for Enforcement Samples” manual; or SCAQMD Method 304 [Determination of Volatile Organic Compounds (VOC’s) in various materials] contained in the SCAQMD “Laboratory Methods of Analysis for Enforcement Samples” manual.*”

Staff will be moving reference to test method, SCAQMD Method 304 as a new clause,

(h)(1)(A)(ii):

“(ii) *SCAQMD Method 304 [Determination of Volatile Organic Compounds (VOCs) in Various Materials] contained in the SCAQMD “Laboratory Method of Analysis for Enforcement Samples” manual.*”

Subparagraph (h)(1)(B) – Exempt Perfluorocarbon Compounds.

Staff proposes to reformat this rule language to provide the list of classes of compounds in a semi-bullet format consistent with other SCAQMD rules.

The following classes of compounds: cyclic, branched, or linear, completely fluorinated alkanes; cyclic, branched, or linear, completely fluorinated ethers with no unsaturations; cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations; and sulfur containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine,

“The following classes of compounds:

cyclic, branched, or linear, completely fluorinated alkanes;
cyclic, branched, or linear, completely fluorinated ethers with no unsaturations;
cyclic, branched, or linear, completely fluorinated tertiary amines with no unsaturations;
and
sulfur-containing perfluorocarbons with no unsaturations and with sulfur bonds only to carbon and fluorine.

shall be analyzed as exempt compounds for compliance with paragraph (d)(1), only at such time as manufacturers specify which individual compounds are used in the formulation of the automotive coatings and identify the test methods, which have been approved by the U.S. EPA, CARB and the ~~District~~ SCAQMD prior to such analysis, that can be used to quantify the amounts of each exempt compound.”

Subparagraph (h)(1)(D) – Add Automotive to Pretreatment Coatings.

“(h)(1)(D) - Acid Content in Pretreatment Automotive Coatings”

“The acid content of pretreatment automotive coatings shall be determined by ASTM Test Method D1613-06 (2012) (Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and related products.”

Subparagraph (h)(1)(E) – Add Automotive to Coatings and be more specific on test method.

“Subparagraph (h)(1)(E) - Reflectance of Anti-Glare Safety Automotive Coatings”

“The reflectance of anti-glare automotive safety coatings shall be ~~measured~~ determined by ASTM Test Method D-523-08 (Specular Gloss).”

Subparagraph (h)(1)(F) – Transfer Efficiency

“The transfer efficiency of alternative automotive coating application methods, as defined by clause (d)(76)(A)(~~iii~~), shall be determined in accordance with the SCAQMD method "Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989," and SCAQMD "Guidelines for Demonstrating Equivalency With District Approved Transfer Efficiency Spray Gun September 26, 2002.”

Subparagraph (h)(1)(G) - Equivalent Test Methods

“Other test methods determined to be equivalent ~~after review by the staffs of the District~~ by the Executive Officer, CARB, and the U.S. EPA, and approved in writing by the ~~District~~ Executive Officer may also be used for methods of analysis.”

Subparagraph (h)(2)(A) – Determination of Efficiency of Emission Control System

“The efficiency of the collection device of an emission control system as specified in subparagraph (d)(43)(A) shall be determined by the methods specified ~~in clauses (h)(2)(A)(i), (h)(2)(A)(ii), or (h)(2)(A)(iii).~~ below.”

Clause (h)(2)(A)(iii)

~~“any~~ *Any other method approved by the United States Environmental Protection Agency U.S. EPA, the California Air Resources Board CARB, and the District Executive Officer.”*

Subparagraph (h)(2)(B)

“The efficiency of the control device of an emission control system as specified in subparagraph (d)(43)(A) and the VOC content in the control device exhaust gases, measured and calculated as carbon, shall be determined by USEPA Test Methods 25, 25A, or SCAQMD Method 25.1 (Determination of Total Gaseous Non-Methane Organic Emissions as Carbon) as applicable. U.S. EPA Test Method 18, or CARB Method 422 shall be used to determine emissions of exempt compounds.”

Paragraph (h)(3) - Multiple Test Methods

“When more than one test method or set of test methods are specified for any testing, a violation of any requirement ~~of this rule~~ of this rule ~~documentation~~ established by any one of the specified test methods or set of test methods shall constitute a violation of the rule.”

SUBDIVISION (I) - RULE 442 APPLICABILITY

Staff is proposing to add a new subdivision to the rule to include Rule 1151 - Usage of Solvents to make Rule 1151 consistent with the other Regulation XI rules that already include Rule 442 applicability language. The new rule language will be under subdivision (i) which will replace the exemptions subdivision (i), and the exemptions subdivision then becomes subdivision (j).

The new rule language is as follows:

“Rule 442 Applicability

Any automotive coating, automotive coating operation or facility which is exempt pursuant to subdivision (j) from all or a portion of the VOC limits of subdivision (d) shall comply with the provisions of Rule 442 – Usage of Solvents.”

SUBDIVISION (J) EXEMPTIONS

Staff is proposing the following editorial clarifications to the exemptions to the rule requirements to improve clarity.

“Paragraph (j)(1) – This rule shall not apply to:”

- (A) *Any automotive coating applied to motor vehicles or mobile equipment, or their associated parts and components, during manufacture on an assembly line that ~~are~~is subject to Rule 1115 – Motor Vehicle Assembly Line Coating Operations;”*

- “(C) Any aerosol coating product; and
- (D) Any coating that is ~~sold, supplied, sold, or offered for sale, marketed manufactured, blended, packaged or repackaged for use in the District in 0.5 fluid ounces or smaller containers.~~”

Paragraph (j)(2):

- “(2) The requirements of paragraph (d)(1) shall not apply to automotive coatings applied for educational purposes at automotive coating training centers, which are owned and operated by automotive coating manufacturers, provided that the VOC emissions emitted at a automotive coating training center from automotive coatings not complying with paragraph (d)(1) ~~does~~do not exceed twelve (12) pounds per day.”

Paragraph (j)(3):

- “(3) The requirements of paragraph (d)(1) shall not apply to automotive coatings supplied by an assembly-line motor vehicle manufacturer for use by a prototype motor vehicle manufacturing facility in the finishing of a prototype motor vehicle, provided that the VOC emissions at the prototype motor vehicle manufacturing facility from such topcoats ~~does~~do not exceed 21 pounds in a calendar day and 930 pounds in a calendar year.

Paragraph (j)(4) – Exemptions

Paragraph (i)(4) (current rule) contains a compliance date requirement for color and clear coatings that has expired. Staff proposes to remove the obsolete rule language.

~~“(j)(4) — Color and clear coatings that are manufactured prior to the effective date of July 1, 2008, that have a VOC content above the limit specified in Table A of paragraph (d)(1), but not above the applicable limit on the date of manufacture may be possessed, sold, supplied, offered for sale, or applied up to December 31, 2008.”~~

Staff has received ongoing questions about whether or not custom graphics such as pin-striping, murals and other special effects type painting are compliant with the transfer efficiency requirements of Rule 1151. Staff reviewed the transfer efficiency requirements of the SCM and proposes to align the requirements by adding a new definition for automotive graphic arts operations and then exempt automotive graphic arts operations, truck bed liner coating operations and underbody coating operations from the transfer efficiency requirements of subparagraph (d)(6)(A) as follows:

“(j)(4) The requirements of subparagraph (d)(6)(A) shall not apply to automotive graphic arts operations, truck bed liner coatings or underbody coatings.”

**RULE 1151 – MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE
COATING OPERATIONS**

CHAPTER 3: IMPACT ASSESSMENT OF PROPOSED AMENDED RULE 1151

- o EMISSION IMPACT ASSESSMENT
- o COST ANALYSIS
- o INCREMENTAL COST-EFFECTIVENESS
- o CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)
- o SOCIOECONOMIC IMPACT ASSESSMENT
- o DRAFT FINDINGS UNDER CALIFORNIA HEALTH AND SAFETY CODE
40727
- o COMPARATIVE ANALYSIS
- o DRAFT CONCLUSIONS AND RECOMMENDATIONS
- o PUBLIC COMMENTS AND RESPONSES

EMISSION IMPACT ASSESSMENT

Staff does not anticipate any emissions reductions or increases since the proposed amendment does not change any VOC content limits or standards and is administrative in nature.

COST ANALYSIS

The proposed amendment to Rule 1151 is not expected to have a net cost impact since industry will be able to continue business as usual and operate their equipment subject to Proposed Amended Rule 1151 in a similar manner to the current rule.

INCREMENTAL COST-EFFECTIVENESS

Under Health and Safety Code § 40920.6, the SCAQMD is required to perform an incremental cost analysis when adopting a Best Available Retrofit Control Technology (BARCT) rule or feasible measure required by the California Clean Air Act. To perform this analysis, the SCAQMD must (1) identify one or more control options achieving the emission reduction objectives for the proposed rule, (2) determine the cost effectiveness for each option, and (3) calculate the incremental cost effectiveness for each option. To determine incremental costs, the SCAQMD must “calculate the difference in the dollar costs divided by the difference in the emission reduction potentials between each progressively more stringent potential control option as compared to the next less expensive control option.” Staff reviewed the (October 20, 2005) state ~~control measure~~ Suggested Control Measure along with other current standards throughout the state and determined that PAR 1151 represents BARCT for Motor Vehicle And Mobile Equipment Non-Assembly Line Coating Operations because there are no other more stringent limits available. PAR 1151 will not result in emission reductions and therefore no incremental cost analysis is required under Health and Safety Code § 40920.6.

CALIFORNIA ENVIRONMENTAL QUALITY ACT (CEQA)

The SCAQMD has reviewed the proposed project pursuant to CEQA Guidelines §15002 (k)(1) - General Concepts, the first step of a three-step process for deciding which document to prepare for a project subject to CEQA. The SCAQMD has determined that that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt pursuant to CEQA Guidelines §15061 - Review for Exemption, paragraph (b)(3) – “general rule” exemption.

A Notice of Exemption has been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. If the proposed project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

SOCIOECONOMIC IMPACT ASSESSMENT

The proposed amendments codify existing practices at Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations that are subject to Rule 1151. As such, there will be no additional costs or other socioeconomic impacts.

DRAFT FINDINGS UNDER CALIFORNIA HEALTH AND SAFETY CODE 40727

The draft findings include necessity, authority, clarity, consistency, non-duplication and reference, as defined in Health and Safety Code Section §40727. The draft findings are as follows:

Necessity - The AQMD Governing Board finds and determines that Proposed Amended Rule 1151, Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, is necessary to enhance readability and provide clarity of rule language.

Authority - The AQMD Governing Board obtains its authority to adopt, amend or repeal rules and regulations from Health and Safety Code §§ 40000, 40001, and 40440.

Clarity - The AQMD Governing Board finds and determines that Proposed Amended Rule 1151 is written and displayed so that the meaning can be easily understood by persons directly affected by it.

Consistency – The AQMD Governing Board finds and determines that Rule 1151 is in harmony with, and not in conflict with or contradictory to, existing statutes, court decisions, or federal or state regulations.

Non-Duplication – The AQMD Governing Board has determined that Rule 1151 does not impose the same requirement as any existing state or federal regulation, and the proposed amendment is necessary and proper to execute the powers and duties granted to, and imposed upon, the AQMD.

Reference - In adopting this proposed amendment, the AQMD Governing Board references the following statutes which AQMD hereby implements, interprets or makes specific: Health and Safety Code Sections 40001 and 40440.

COMPARATIVE ANALYSIS

California Health and Safety Code Section 40727.2 requires the comparative analysis with any federal or other AQMD rules that apply to the same equipment or source type as the proposed amendments. There are no federal requirements for these small emitting types of equipmentsources.

DRAFT CONCLUSIONS AND RECOMMENDATIONS

Staff recommends that Rule 1151 - Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations be amended as proposed.

PUBLIC COMMENTS AND RESPONSES

The public comments and staff responses shown below are from the May 28, 2014, public workshop and from the comment letters that were received from May 28, 2014, through June 6, 2014.

Responses to comments from the public workshop

The following comments were made during the public workshop and staff responses to those comments are shown below.

Comment #1:

The proposed rule language for the purpose of the rule [subdivision (a)] now focuses on the supplier. The focus should remain on the operation and not move to the supplier.

Response:

Staff disagrees that the purpose of the rule changed focus and believes the revisions to the purpose section of the rule [subdivision (a)] reflects current implementation of the rule. The rule's purpose is to reduce volatile organic compound emissions, toxic air contaminants, stratospheric ozone-depleting compounds, and global-warming compound emissions from automotive coating applications performed on motor vehicles, mobile equipment, and associated parts and components.

Comment #2:

The CARB Consumer Products definition for Aerosol Coating Product and Weld-Through Primers should be used in Rule 1151.

Response:

After consultation and concurrence from CARB staff, staff has revised the proposed language to be consistent with the Consumer Products Regulation.

Comment #3:

The inclusion of "Associated Parts and Components" appears to be overly broad and may loop in many coatings that otherwise would not normally be considered to be part of an auto refinishing operation, such as the reflective lens coating on a headlight.

Response:

Staff revised the language for the Associated Parts And Components definition by designating “coatings” as “automotive coatings” to clarify that the scope of the requirement does not extend to original equipment manufacturer (OEM) applications.

Comment #4:

The Clear Coating definition should accommodate materials that don’t impart color that manufacturers loosely refer to as “pigments”, even though they are not technically pigments. Examples include flattening agents and nanopigments.

Response:

Staff agrees and has revised the definition for clear coatings as suggested.

Comment #5:

The commenter recommends removal of Low Volume, Low Pressure (LVLP) definition and all references to LVLP from the proposed amended rule. The commenter said this could open a loop hole and bring many offshore so-called LVLP PSGs to southern California. There is no way to conduct third party testing on LVLP spray guns since they are predominantly turbine. The introduction of LVLP technology as an acceptable method has downstream effects on literature, training, etc. SATA has a “reduced pressure” gun (exceeds the 10 psig, but has an approved equivalency). SATA would prefer the District maintain the requirement for equipment testing rather than add LVLP as an acceptable method. Introducing a new method could create a loophole that other gun manufacturers could use to produce guns that may not meet the transfer efficiency requirements of the rule, but take advantage of either improperly marketed equipment or equipment that would be difficult to test. The commenter inquired if LVLP was a branded name and wanted to know where the name came from.

Response:

LVLP has been around for long time and both CARB and U.S. EPA have been using the “LVLP” designation for spray guns for many years. Nonetheless, based on the comment, staff has removed the LVLP definition from the originally proposed amended rule, and included a discussion of LVLP and several other spray gun variants in the staff report. LVLP spray guns must meet the transfer efficiency requirements in clause (d)(6)(A)(iv) or (d)(6)(A)(v) in order to be considered compliant with Proposed Amended Rule 1151.

Comment #6:

The last sentence in the definition for the Single-Stage Coating definition should be stricken. The single-stage coating definition does not appear limited enough to exclude various specialty coatings that do not use a subsequent clear coat (example: underbody coating). Combined with the more restrictive limit, these specialty coatings would be subject to the single stage coating limit.

Response:

Staff revised the definition by designating “coatings” as “automotive coatings” and clarifying that these coatings are specifically labeled and formulated for application without a subsequent clear coating and are applied over primer, adhesion promoter, or a color coating. Staff believes that it is relevant to the definition to keep single-stage metallic/iridescent coatings and will retain the last sentence in the definition.

Comment #7:

A copy of the 2007 TBAC technical assessment that was due on July 1, 2007 as shown in the December 2, 2005 amendment should be distributed as part of the proposed amendment.

Response:

The technical assessment that was due on July 1, 2007, pursuant to the definition for VOC [paragraph (c)(33)] was not conducted because tertiary butyl acetate containing products were not and still are not used for automotive refinishing uses. CEQA staff conducted an offsite analysis on TBAC as part of the 2005 amendment and found the estimated carcinogenic risk to be five in one million, which is lower than the significance threshold of 10 in one million for CEQA. The December 2, 2005 amendment to Rule 1151 included a requirement for a technical assessment on the use of TBAC as a non-VOC by July 1, 2007. However, staff did not find any automotive coatings that contained TBAC to conduct the review and staff continues to review the issue. Staff proposes to incorporate another technical assessment for Rule 1151 with a revised completion date of December 31, 2016, provided there are automotive coatings that contain TBAC available to conduct the assessment.

Comment #8:

If no one is using TBAC why not just remove it from the rule entirely.

Response:

The allowance for TBAC was set in place to provide formulation options to facilitate achievement of VOC content limits and meet consumer demands in a flexible manner. See also response to comment #7.

Comment #9:

(d)(1) refers to VOC content limit, “...including any VOC material...”. Because the VOC content is dependent on as applied, which includes both VOC containing materials and non-VOC containing materials, the term “VOC material” should be changed to “material”.

Response:

Staff agrees and paragraph (d)(1) has been revised accordingly.

Comment #10:

The first sentence in paragraph (d)(2) reads, in part, “If any representation on information...” but it should be changed to read “If any representation ~~on~~ of information...”. In addition, the text “supplied by a person” should be removed from the paragraph because it is not necessary.

Response:

Staff incorporated the following revision into paragraph (d)(2) “If any representation ~~on~~ or information...”. Replace the word “on” with the word “or”. The text “supplied by a person” has been removed.

Comment #11:

The transfer efficiency methods in paragraph (d)(6) should be consistent with other Regulation XI rules and include roller and brush methods. Hand application (brush, roller, wipe) should be included as part of the compliant methods under the transfer efficiency section (especially for components, which can be dip coated or coated with a hand wipe).

Response:

Staff referred to the state Suggested Control Measure (SCM) and found that brush, dip, or roller application methods were listed as suggested coating application methods. Therefore, staff will include brush, dip and roller application methods to paragraph (d)(6) transfer efficiency to further align with the SCM.

Comment #12:

The proposed language for HVLP flow rates is too high. Actual spray gun performance represents much lower flow rates for HVLP spray guns. Field verification would be challenging.

Response:

The flow rate values have been removed from the proposed amended HVLP definition. If the spray gun manufacturer can demonstrate that a pressure feed spray gun can meet the transfer efficiency requirement pursuant to Rule 1151 Paragraph (h)(1)(F) or (h)(1)(G) and these type spray guns operate with a air atomization pressure of no more than 10 pounds per square inch at the center of the air cap and at the air horns, they would be an acceptable spray gun to apply automotive coatings.

Comment #13:

Recordkeeping under (e)(3)(A) would be difficult for upstream distributors and manufacturers for tracking coating use as compared to “intended for use” or “specified” or “marketed for use”, and the words “as recommended” should be added to (e)(3)(A)(iv)(II) for additional clarity. In addition, the requirement to maintain documentation that “a material is a coating” is unclear, and the “documentation” itself required for subparagraph (e)(3)(A)(iv)(V) and (f)(1)(E) is also

unclear. A distributor removed from the final sale to an end user may not know or realize that the requirements in (e)(3)(A)(iv)(VIII) apply to them.

Response:

The documentation that a material is a coating is to confirm the material was intended for use as an automotive coating. Documentation could include the technical data sheets or the MSDS. Subclause (e)(3)(A)(iv)(V) and subparagraph (f)(1)(E) has been expanded to refer to manufacturer specification sheets, material safety data sheets, technical data sheets or any other air quality data sheets that demonstrate that the material is intended for use as an automotive coating. The requirements of (e)(3)(A)(iv)(VIII) has been updated to limit the applicability to sale to an end user. Staff has also incorporated the additional clarifying language related to “intended for use” and “for use” as indicated by your comment.

Comment #14:

(e)(3)(A)(i) should be changed from “The automotive coating is located at a ...” to “The automotive coating is located for use at a...”. In addition for (e)(3)(A)(iii) the proposed rule language shows “The automotive coating is located at a ...” which should be changed to “The automotive coating is located for use at a...”. The words “as recommended” should be added to (e)(3)(A)(iv)(II) for additional clarity.

Response:

Staff has included the suggested revision to the proposed amended rule.

Comment #15:

The wording of paragraph (g)(2)(A) referring to components can include thinners, reducers, and other solvents, although solvents are not defined in the rule. In addition, components do not have a coating category. The labeling requirement under (g)(2)(A) for automotive coating components to include the applicable use coating categories may be too exhaustive for thinners or reducers (which are defined as components).

Response:

In follow up discussions in regard to this topic, staff revised the rule language in subparagraph (g)(2)(A) and proposes to add new language to exclude solvents such as reducers and thinners from the labeling requirements for identifying automotive coatings or automotive coating component categories.

Responses to comments after the public workshop

The following comments were made after the public workshop prior to the June 6, 2014, deadline and staff responses to those comments are shown below.

Comment #16 {Institute for Research and Technical Assistance}:

I am writing with comments on the proposed changes to Rule 1151 “Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations.” I am Director of the Institute for Research and Technical Assistance (IRTA), an environmental technical nonprofit organization that develops and demonstrates low-VOC, low toxicity alternatives, primarily in solvent applications. Rule 1151 has included an exemption for tertiary-butyl acetate (TBAC) from VOC regulations for many years.

TBAC forms a metabolite, tert-butyl alcohol (TBA), which is a carcinogen. Several years ago, the Hazard Evaluation System and Information Service (HESIS) calculated the risk to workers using TBAC at the current Occupational Safety and Health Administration (OSHA) PEL of 200 ppm and provided the results to the California Air Resources Board (CARB). IRTA supplied the calculation to the District staff during an earlier proposed modification for SCAQMD Rule 1107. The values show that the risk posed to workers when the TBAC level is at the PEL is estimated at between 74,000 in one million and 380,000 in one million. The District also has information from the Office of Environmental Health Hazard Assessment (OEHHA) stating that OEHHA stands by a toxicity evaluation they conducted in 2006 for CARB that concluded TBAC should be considered a potential human carcinogen.

SCAQMD Rule 1168 “Adhesive and Sealant Applications” is currently being amended by staff. The rule originally included a proposed exemption for TBAC from VOC regulations. Based on the recent information from OEHHA and the SCAQMD CEQA staff’s risk calculations for on-site workers, off-site workers and surrounding community members, the proposed exemption was removed from the rule. The risk values demonstrated that TBAC poses a high risk in all cases.

In 2005, when Rule 1151 was last amended, the rule included a requirement that the District staff perform a technology assessment in 2007 to reassess the risk from TBAC and to determine if the exemption was still needed. I am requesting a copy of that assessment. The technology assessment that was conducted in 2007 may not have taken into account the OEHHA evaluation of TBAC that was available at the time. At this stage, given OEHHA’s recent letter reaffirming toxicity of TBAC and the fact that use of the chemical in any application poses a high risk, the District should remove the exemption in Rule 1151 during this amendment process.

The exemption in Rule 1151 applies only to auto body primers and the District staff has indicated over the last few years that no or very few suppliers rely on TBAC in their coatings. Since this is the case, there are clearly non-TBAC primers available to the industry and they are apparently widely used. This further demonstrates there is no need for the exemption.

The District's mission is to protect public health. The exemption for TBAC in Rule 1151 clearly does not protect the health of workers who use it or off-site workers and community members who are in the vicinity of the operations. I am requesting that the District eliminate the exemption from the rule.

Response:

During the rulemaking efforts for the December 2, 2005 rule amendment, CEQA Staff conducted an offsite analysis on TBAC and found the estimated carcinogenic risk to be five in one million, which is lower than the significance threshold of 10 in one million for CEQA. Staff provided a limited use for tertiary Butyl Acetate (TBAC) for the primer category however at that time no known TBAC containing primers had been identified. The December 2, 2005 amendment for Rule 1151 considered TBAC to be a VOC only for color and clear coatings. The purpose of this amendment is administrative; it entails the removal of the obsolete rule language in the first part of the rule that sunset on June 30, 2008 and clarifications to the existing rule language in Appendix A, which continues as the effective portion of the rule.

The technical assessment was to have been conducted by July 1, 2007. However, staff did not find any coatings that were formulated with TBAC in order to conduct the assessment. Staff plans to conduct a future technical assessment on the continued use of TBAC in automotive coatings, with the excluded exception of color and clearing coatings. Staff recently received correspondence from the Office of Environmental Health Hazards Assessment (OEHHA) indicating that they intend to complete their toxicity review for TBAC towards the end of 2014 or early 2015. Staff proposes to incorporate OEHHA findings as part of the technical assessment for Rule 1151 with a revised completion date of December 31, 2016, provided there are automotive coatings that contain TBAC available to conduct the assessment.

Comment #17 {DeVilbiss Automotive Finishes}:

Thank you for sending me copies of PAR-1151. I have reviewed the proposed changes and have one area I would like to offer some input. In the definition section, you have added additional info for HVLP.

HIGH-VOLUME, LOW-PRESSURE (HVLP) means spray application equipment that has a typical volume flow rate between 30 to 200 cubic feet per minute (cfm), and is designed to atomize 100% by air pressure only and operated between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure measured dynamically at the center of the air cap and at the air horns.

In this definition, you state that HVLP typical air flow is between 30 to 200 cubic feet per minute (CFM). From my experience, this is air flow rate is extremely high. I have reviewed some of our test data for various HVLP spray guns, both ones that we manufacture, as well as some of our

competitors, and have listed this info below. In general, full size HVLP guns have an air flow rate between 10 and 20 SCFM and touch HVLP guns have a flow rate between 5 and 10 SCFM. I have seen some HVLP set ups use up to 25 SCFM in the past, but anything more than this starts to be a lot of air, and most compressors in the body shops would have a problem of maintaining the necessary air pressure to maintain the performance.

Perhaps you have pulled this air flow range from manufacturer's data that make HVLP guns that are supplied by air turbines, not shop compressed air. Many years ago, when DeVilbiss had an HVLP gun that was supplied by an air turbine, I discovered that many of the manufacturers of air turbines had very misleading technical data. They would list the maximum pressure and the maximum air flow the air turbine is capable of producing. These ended up being 2 points on a graph, the maximum air flow was at zero pressure, and the maximum pressure was a zero air flow. The only gun listed below that I have test data on that is supplied by an air turbine was the Accuspray 10G. As you can see from this, they are in the typical 10 to 20 SCFM air flow range.

Also, you give the units as cubic feet per minute (CFM). When measuring air flow through a spray gun all air flow should be corrected to standard temperature and pressure. The units are then SCFM.

I would recommend that the air flow rate for HVLP be changed in the definition of HVLP. 10 to 20 SCFM would be typical for most full size spray guns. I believe that the definition of LVLP would still be valid, as they typically have less air flow than HVLP.

Response:

Staff has revisited the initially proposed new language and proposes to maintain just one compliance parameter based on the dynamic air pressure measured at the center of the air cap and at the air horns. Staff reviewed several HVLP spray guns and found the volume flow rates typically vary between 10 and 15 standard cubic feet per minute (scfm) and has removed the volume flow rate values from the proposed amended rule definition. Additionally, Staff has removed the proposed definition for Low Volume, Low Pressure (LVLP) from the proposed amended rule and has provided a detailed discussion of LVLP, Reduced Pressure and Pressure fed spray guns in the Staff Report and the transfer efficiency requirements based on the dynamic air pressure measured at the center of the air cap and at the air horns.

Comment #18 {SATA GmbH & Co, KG}:

Proposed new definition of "HVLP" atomization technology – as per § (c)(17):

At present, the term "HVLP" is only defined by one parameter, namely dynamic air cap PRESSURE of max. 10 psi. With the proposed new definition of the term "HVLP", a SECOND, ADDITIONAL, parameter would be added, i.e. the AIR FLOW RANGE between 30 to 200 cfm.

First consequence: ALL currently existing HVLP SPRAY GUNS used in the collision repair industry would become ILLEGAL, If the new “HVLP” definition came into force. Why? – Because all current HVLP spray guns are operated with max. 15 cfm or less.

Second consequence: Spray guns complying with the new “HVLP” definition would be afflicted by a dramatically reduced “Transfer Efficiency (TE) leading to MUCH HIGHER AIR POLLUTION. Why? – Because the much higher air flow will lead to much higher overspray and consequently to that much lower TE.

Third consequence: ALL collision repair paint materials currently available in the market can no longer be applied with spray guns complying with the new “HVLP” definition. Why? – Because the application will be extremely dry leading to totally unacceptable, absolutely non-sellable finishes, due to the high air flow volume.

Fourth consequence: ALL technical data sheets (TDS) of the paint industry and ALL training manuals / training procedures / training certificates of the paint industry as well as of education bodies such as I-CAR would become obsolete from one day to the next. Why? – Because ALL documentation and procedures will not be in compliance with new “HVLP” term and consequently would have to be adapted in the next step.

Addition of “LVLP” atomization technology complementing the new definition of “HVLP” atomization technology – as per § (c)(18)”

A newly introduced “LVLP” atomization technology as per proposed definition, i.e. dynamic air cap pressure of max. 10 psi and an air flow range of 13.5 to 130 cfm (i.e. 45% to 65% of the above 30 to 200 cfm) would WIDELY OVERLAP with the air flow range of the new “HVLP” definition.

First consequence: As soon as any “LVLP” labeled gun is operated with more than 15 cfm air flow, ALL of the above mentioned four consequences will also become effective.

Second consequence: MOST of the current HVLP spray guns would become illegal. Why? – Because MOST of the current HVLP spray guns are operated with an air flow which is lower than 13.5 cfm.

Approval of use of non- “HVLP” and non- “LVLP” spray guns as they are defined by the new proposed RULE 1151 legislation - see § (d)(6)(A)(iv)

Based on the new proposed RULE 1151 legislation, there are currently NO HVLP SPRAY GUNS available on the market which can be used as a benchmark for the SCAQMD approval process as currently existing and known.

First consequence: There is NO POSSIBILITY to OBTAIN APPROVAL FOR COMPLIANT GUNS anymore.

Second consequence: ALL existing COMPLIANT SPRAY GUNS will become ILLEGAL, as ALL existing APPROVALS will become INVALID.

Conclusions:

The proposed amendments will cause undue burdens and incalculable risks for
the painters
the bodyshops
the paint manufacturers
the spray gun manufacturers
and SCAQMD as rule-executing and monitoring body.

The proposed amendments will not improve but – on the contrary – will negatively impact on the environmental protection, due to higher, not lower pollution.

The proposed amendments will not only affect the SCAQMD mandated area, but ALL other mandated areas, counties and states in the USA as well as the national 6H EPA RULE, with the SCAQMD approvals being the reference for all other approval processes.

The proposed amendments will also obsolete the current definition of terms “HVLP” and “Transfer Efficiency” as currently being used as an official standard terms on a WORLDWIDE basis for almost 26 years.

Response:

Please see response to Comment #17.

Comment #19 (a) & (b) {SATA GmbH & Co, KG}:

SATA recommendations in regard to spray guns and coating application:

The current regulations of RULE 1151 in regard to spray guns and coating application must basically remain unchanged – as it is an accepted applicable and proven standard in the collision repair industry – with two exceptions:

- a. The exemptions as listed in (i)(1) should be amended with an additional section (C):
SPOT REPAIR [as defined in (b)(41)].

Reason: The material consumption and the level of pollution created by overspray depend primarily on the size of the spot repair area with almost no influence from the spray gun employed.

- b. The exemptions as listed in (i)(1) should be amended with an additional section (D):
PRESSURE FED SPRAY GUNS FOR COMMERCIAL VEHICLES.

Reason: The material consumption and the level of pollution created by overspray depend primarily on the spraying distance. In addition, there is no affordable and practically working device available to monitor and control the material flow pressure on the gun during application. These issues are the very reason why it has not been possible to approve any pressure fed spray gun according to § (e)(4)(A)(iii).

Response (a):

Eliminating the transfer efficiency requirement for all spot repair operations would be considered backsliding on emissions reductions. ~~Both the EPA and CARB have legislation requiring air pollution control districts and the air quality management districts to require HVLP application equipment for air atomization for all automotive coatings products.~~ The EPA's Control Techniques Guidelines for Automobile and Light-Duty Truck Assembly Coatings and ~~CARB's the state Suggested Control Measure~~ both recommend that the air pollution control districts and air quality management districts require transfer efficiency requirements for spray application equipment for all automotive coating products. Rule 1151 has had the HVLP requirement for spray guns as far back as the December 9, 1994 amendment. Spot repair and panel repair operations are the bulk of automotive collision repair work in the South Coast Air Basin and this is where the bulk of the VOCs are generated by each automotive collision repair shop. Staff believes that regulating spot repair operations by requiring high transfer efficient processes is necessary for ongoing VOC reductions.

Response (b):

Staff disagrees because exempting pressure fed spray guns for the transfer efficiency requirements that are used for larger scale commercial vehicles like buses, tractor truck and trailers and railcars would be considered backsliding on VOC emission reductions. For the reasons explained in staff response (a), staff believes the transfer efficiency requirement for pressure fed spray guns is necessary for VOC reductions. Furthermore, Rule 1151 has required HVLP as far back as the December 9, 1994 amendment when staff introduced HVLP as a significant strategy in the reduction of VOC emission sources in the South Coast Air Basin.

Comment #20 {American Coatings Association}:

Since this rule is administrative in nature our comments on the proposed changes are in line with this stated purpose. Since the OEHHA review of TBAC is still underway, we agree with SCAQMD that this is not the appropriate time to discuss expanding or restricting the existing exemption. If SCAQMD intends to expand the scope of the rule to include additional coating categories we respectfully request that the established "Cavity Wax" category be considered.

Response:

Staff does not intend to expand the scope of the rule to include additional coating categories as part of this amendment, which is primarily administrative and aimed principally to remove obsolete

language and rule clarification. Staff amended Rule 1151 on December 2, 2005, to implement the state Suggested Control Measure (SCM) for automotive coatings. The EPA issued their Control Techniques Guidelines (CTG) for automobile and light duty truck assembly coatings in September 2008. In that CTG, the EPA provided suggested VOC content limits for several miscellaneous coatings which include cavity wax. However, these are suggested VOC content limits for automobile and light duty truck assembly coatings, which are conducted in automobile and light duty truck manufacturing facilities. Rule 1151 does not apply to automobile and light duty truck assembly operations; Rule 1115 – Motor Vehicle Assembly Line Coating Operations specifically applies to this type operation. Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations applies to the industry that repairs such vehicle after they have been sold by the manufacturers. Staff believes that the underbody coating category effectively captures cavity wax type applications and allows a VOC content limit of no more than 430 grams per liter [3.6 pounds per gallon] of VOC.

Comment #21 {American Coatings Association}:

In section (a) Purpose, the change from "...from coatings operations associated with the coating of motor vehicles...." to "...from coating applications on motor vehicles..." changes the applicability of the rule from the coating operation to the coating itself. Historically, SCAQMD Rule 1151 has applied to the use of coatings in an auto body shop. This change places the requirements of Rule 1151 on the manufacturer of the coating. Although, manufacturers of auto refinish coatings often provide training to ensure proper use, it is impossible to ensure these products are used as instructed, as body shops are independent from the coatings manufacturer.

ACA requests that SCAQMD retain the current language "...from coatings operations associated with the coatings of motor vehicles..." in the purpose section.

Response:

Please see response to Comment #1.

Comment #22 {American Coatings Association}:

ACA suggests that SCAQMD align the definition of Aerosol Coating Product with the CARB Aerosol Products Regulation definition.

Response:

The proposed language has been updated to reflect the updated definition in the consumer products regulation.

Comment #23 {American Coatings Association}:

ACA believes that the proposed changes to the automotive coating definition expand the scope of the rule and are inconsistent with the state SCM for automotive coatings. For example,

termining an automotive coating “any material” could expand the rule to include products that are applied and “form a film” but are removed (e.g. car wax). The choice of word “material” could be confusing since other jurisdictions (including Sacramento Metropolitan Air Quality Management District) have a separate category of “vehicle materials” that include cavity wax, gasket sealer, deadener, and lubricating wax. In order to remain consistent with CARB and avoid confusion with other jurisdictions ACA suggests that the current definition of “automotive coating” remain intact.

Response:

The word material has been removed from the proposed definition for “Automotive Coating”, consistent with the SCM.

Comment #24 {American Coatings Association}:

A clear coating may contain pigments, but the pigments do not impart color. Therefore, ACA recommends that the definition be revised to read as follows:

“CLEAR COATING means any automotive coating that contains no pigments that impart color that is specifically labeled and formulated for application over a color coating or clear coating.”

Response:

Staff had several discussions with stakeholders, including CARB, over the issue that a clear coating may have pigments that do not impart color. Staff believes that the added language that the clear coating may have pigments that do not impart color does not change the meaning of the definition. Therefore staff has revised the proposed language accordingly.

Comment #25 {American Coatings Association}:

The definition of single-stage coating is extremely broad and given the “most restrictive VOC limit” requirement the definition should be amended to exclude coatings that may meet the definition of a “single-stage coating” but are properly classified under another coating category. ACA recommends the definition of single stage coating read as follows:

“SINGLE STAGE COATING means any pigmented automotive coating, excluding, for example, primers, multi-color coatings, and any coatings specifically covered by a defined coating category.”

Response:

Based on discussions with CARB, staff has revised the proposed amended definition for single-stage coating as follows:

“SINGLE-STAGE COATING means any pigmented automotive coating, excluding automotive adhesion promoters, primers and multi-color coatings, specifically labeled and formulated for

application without a subsequent clear coating and are applied over primer, adhesion promoter, or a color coating. Single-stage coatings include single-stage metallic/iridescent coatings.”

Comment #26 {American Coatings Association}:

ACA suggests that SCAQMD align the definition of Weld-Through Primer with the CARB Aerosol Products rule definition.

Response:

Based on discussions with CARB, staff believes that the definition for Weld-Through Primer from the CARB Aerosol Products Regulation is applicable. However, consistent with other comments concerning applicability, staff proposes to qualify weld-through primers as those that are used as an automotive coating.

Comment #27 {American Coatings Association}:

ACA suggests that the following language be added to section (d)(1):

“...Compliance with the applicable VOC content limits shall be based on VOC content, including any VOC material or non-VOC material (e.g. solids) added to the original automotive coating supplied by the manufacturer, less water and exempt compounds, as applied to the motor vehicle, mobile equipment or associated parts or component.”

Response:

Please see response to Comment #9.

Comment #28 {American Coatings Association}:

Due to complexities in the distribution chain it is unlikely that a coating manufacturer sells automotive coating products directly to the end user (auto body shop). Consequently, the seller is not aware of a multitude of provisions that must be met to be in compliance with Rule 1151, notably the application method (see section (e)(3)(A)(vi)(II)). ACA also suggests changing the language in section (e)(3)(A)(i) & (iii)“...located in a facility...” to “...for use at a facility...” ACA would like clarification in the rule language regarding what type(s) of documentation would satisfy section (e)(3)(A)(iv)(V).

Response:

The requirements of subparagraph (e)(3)(A) only apply to sales of materials intended for use in the District that do not meet the VOC content limits of the rule. Sales of compliant material into the District for use in the District are not subject to subparagraph (e)(3)(A). Consistent with other SCAQMD VOC rules, the seller is responsible for validating compliant sales, including compliant sales to end-users, of otherwise non-compliant materials into the District for use in the District. Please also see response to Comment #13.

Comment #29 {American Coatings Association}:

ACA suggests that section (g)(2)(A) be amended to read as follows:

“The manufacturer of automotive coatings or automotive coating components shall include on all containers the applicable use category(ies), and the actual and regulatory VOC for automotive coatings, as supplied (in grams per liter), except solvents, and hardeners. Additionally, Section (g)(2)(B) should be amended to include hardeners.

Response:

Staff agrees that subparagraph (g)(2)(A) could benefit from additional clarity and will specifically identify the applicable use category(ies) as applicable use automotive category. The revised rule language is as follows: “The manufacturer of automotive coatings or automotive coating components including hardeners, with the exception of solvents such as reducers and thinners, shall include on all containers the applicable use automotive coating category, and the actual VOC and regulatory VOC content, as supplied (in grams of VOC per liter of material and in grams of VOC per liter of material, less water and exempt compounds)”.

Comment #30 {American Coatings Association}:

If SCAQMD intends to expand the scope of the rule to include additional coating categories, ACA respectfully requests that the established “Cavity Wax” category be considered. While the product may meet the definition of an Underbody Coating because the product is used in/on these areas it is not an Underbody Coating. Underbody coatings are meant to resist mechanical abrasion as the vehicle is used. Cavity Wax, on the other hand, provides corrosion protection to the main parts of the vehicle. The level of corrosion protection cavity wax provides is needed to restore a vehicle to its original factory condition.

It is important to note that although a vehicle may be operated in California today (in this case in SCAQMD), it may not be there for the life of its operation. Corrosion protection is not only critical for outer panels (fenders and doors) but is also important for structural members that have been replaced. Failure to properly protect internal sections of welded steel panels subjects them to corrosion, which may compromise structure and safety. This is an issue of passenger safety and maintaining corrosion protection even if the car leaves California for another jurisdiction.

There are aerosol versions of this product covered by the Aerosol Coatings Rule currently available in California. The aerosol version of the product does not provide adequate coverage for the hard to reach parts of the vehicle that require this type of protection. The aerosol product does not provide a 360 degree pattern that the liquid product does. The tool used with the liquid product allows the product to cover hard to reach places in the vehicle like frame rails, which are imperative to safety. The tool is a long thin hose that can get to hard to reach places of the

vehicle and provide a large enough volume to provide corrosion protection. The aerosol version cannot do this.

Response:

Please see response to comment #20.

Responses to additional comments after the public workshop

The following additional comments were submitted following the June 6, 2014 deadline and staff responses to those comments are shown below.

Comment #31 :

After reading the Rule 1151, version 9, and an intensive discussion with SATA's independent importer in the US (Dan Am, Spring Valley) we do have some comments and suggestions for changes in regard to the amended § (c)17, (d)(6)(A) and (d)(6)(A).

A. Page 4, § (c)17 (as presently amended)

High-Volume, Low-Pressure (HVLP means spray application equipment designed to atomize 100% by air pressure only and is operated between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure measured dynamically at the center of the air cap and ~~at~~ between the air horns.

The attached picture shows a test air cap with gauges in the center of the air cap as well in one of the horns very close to the horn air outlet bore to measure the internal air cap pressure in the center as well in the horns (test air cap commercial available in the market). If the gauge would be positioned **between** the horns as amended, than this gauge would be located in the center of the air cap also. With such kind of test air cap nobody would be able to measure the internal air cap horn pressure. The gauge have to be still located **at** the horn.

Therefore this §(c)17 should be remain as before valid and should read: (...) atomizing pressure measured dynamically at the center of the air cap and ~~at-between~~ the air horns.

Response:

Staff agrees and will revise the definition to show "...measured dynamically at the center of the air cap and at the air horns."

B. Page 10, § (d)(6)(A) (as presently amended)

A person shall not apply automotive coatings to any motor vehicle, mobile equipment or any associated parts or components to a motor vehicle or mobile equipment except by the use of one of the following methods:

(ii) high-volume, low pressure (HVLP) spray, or

(iv) Spray gun application, provided the owner or operator demonstrates that the spray gun meets the HVLP definition in § (c)(17) in design and use. A satisfactory demonstration must be based on the manufacturer's published technical material on the design of the spray gun and by a

demonstration of the operation of the spray gun using an air pressure tip gauge from the manufacturer of the spray gun.

As in (iv) there is no definition for the air pressure tip gauges (where the gauges have to be positioned at the air cap) and the demonstration for meeting the HVLP requirements have to be done in accordance to §(c)17, we suggest that such kind of air pressure tip gauge have to have a gauge in the center as well **at** the horns of the air cap like in the attached picture.

Response:

See response to Comment #31A.

C. Page 14, §(d)(6)(A) (as presently amended)

~~Ne~~ For the purpose of this rule, no person shall offer for sale, sell, supply, market, offer for sale or distribute an HVLP spray gun for use within the SCAQMD unless the person is offering for sale, selling, marketing or distributing the HVLP spray gun for use within the SCAQMD provides accurate information to the spray gun recipient on the maximum inlet air pressure to the spray gun which would result in a maximum air pressure of 10 pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and between the air horns based on the manufacturer`s published technical material on the design of the spray application equipment and by a demonstration of the operation of the spray equipment using an air pressure tip gauge from the manufacturer of the gun. The information shall either be permanently marked on the gun, or provided on the company`s letterhead or in the form technical literature which clearly identifies the spray gun manufacturer, the sales person or the distributor.

In §(e)(3)(B)(5) it is mentioned, the air pressure measured dynamically **between** the air horns like in § (c)17. Like § (c)17 ~~between~~ have to be deleted and **at** the horns have to be added in this § in the same manner like in (c)17.

It has to be clarified that, (...) and by a demonstration of the operation of the spray equipment using an air pressure tip gauge from the manufacturer of the gun. (...), have to be done only via the sales or offering persons of the spray gun manufacturer or spray gun dealers but not with the end users e.g. painters or body shop owners. If each individual purchase of a spray gun have to be guided with a test air cap, that would bring up a very high economic burden for the painters or body shop owners. It would be a waste of money, as for testing all guns of a body shop there would be need of only one test air cap and not of multiple test air caps.

Response:

See response to Comment #31A.

D. Page 20, §(j)(4)(as presently amended)

The requirements of subparagraph (d)(6)(A) shall not apply to any automotive graphic arts operation.

As already suggested in our comments dated June 5th, 2014, this paragraph should extended to spot repair as well (spot repair, see (c)(26)). **Reason:** The material consumption and the level of possible pollution created by overspray depend primarily on the size of the spot repair area with

almost no influence from the spray gun being employed. Therefore this paragraph should be amended as below:

The requirements of subparagraph (d)(6)(A) shall not apply to any automotive graphic arts operation **and any spot repair**.

Response:

Both the EPA Control Techniques Guidelines (CTG) and state Suggested Control Measure (SCM) contain the transfer efficiency requirement which does not include an exception for spot repair. The SCAQMD is required to be at least as stringent as CARB and EPA but can never be less stringent. In addition, the applicability to spot repair is a part of the existing rule requirements and relaxation of the requirement would be considered to be backsliding. However, staff has also reviewed the allowances for truck bed liners and underbody coatings and has extended the exemption from transfer efficiency, consistent with the SCM.

Comment #32 {Sherwin-Williams}:

These comments are organized in the same manner as the proposed rule and are based on a comparison of my comments on the previous draft proposed rule to the current draft.

A. Definitions

Definitions 5 and 7, automotive coating and clear coating, have been revised, consistent with my recommendations.

Definitions 15 and 16 have been revised, adding the terms “regulatory VOC” and “actual VOC”, which are used elsewhere in the rule and thus, it is helpful to have the terms defined. However, it was my understanding from the initial discussions for amending Rule 1113, that the District may be going away from the term “regulatory VOC.”

Response:

Those preliminary discussions for Rule 1113 – Architectural Coatings are simply considerations until the Board adopts amendments, and specifically include a possible regulatory standard based on “Material VOC” in place of “Regulatory VOC”. This may be a consideration in future rule making associated with Rule 1151.

B. I noted that the definition for LVLP, low volume, low vapor pressure, application equipment has been removed. Also, the definition for HVLP has been changed and no longer refers to a specific volume: do these two changes still allow the use of LVLP equipment, since no specific volume is defined for HVLP?

Response:

LVLP is discussed in detail in the staff report. SCAQMD will consider equivalency (to HVLP) for HVLP variants such as LVLP and LVMP provided these variants meet all the transfer efficiency requirements in Rule 1151. Please also see response to comment #17.

C. Definition 24 – single stage coating – has been revised and I believe it is now acceptable since it specifies that these coatings are applied over adhesion promoters, primers, or color coatings.

Thus, there should not be overlap with truck bed liners, underbody coatings, or uniform finish coatings. I am uncertain whether there is overlap with multicolor coatings.

Response:

Staff intends to keep the existing language “Single-stage coatings include single-stage metallic/iridescent coatings” in the definition for Single-stage Coatings to be consistent with CARB’s Suggested Control Measure which also includes this language.

- D.** Noting that another technical assessment on the use of tBAC is proposed with a completion date of December 31, 2016, the question of whether there will be any additional information by then arises. Perhaps a later date might be more appropriate to insure the data is complete?

Response:

Staff anticipates an update from OEHHA by the end of this year in regard to significant toxic risk for TBAC. Staff will then determine an appropriate course of action to the finding which may include extending date of technical assessment.

- E.** The changes to the definition of weld-through primer are not acceptable. It is my understanding that weld-through primers are applied prior to welding, as the previous definition indicated. I recommend either return to the previous definition, or include in the definition the concept that these coating are applied prior to welding.

Response:

Staff discussed the previous definition for “Weld-Through Primers” with several stakeholders during the May 28, 2014, public workshop for PAR 1151. The stakeholders requested PAR 1151 use the same definition for “Weld-Through Primers” as the CARB Aerosol Product Regulation. In subsequent discussions with CARB staff, SCAQMD rules staff and CARB staff concluded that the definition used for “Weld-Through Primers” in the CARB Aerosol Product Regulation was appropriate for use in PAR 1151.

F. Requirements

The revision to section (d)(1) is acceptable, with one minor edit to the last sentence: instead of this statement:

“Compliance with the applicable VOC content limits shall be based on VOC content, including any material added to the original automotive coating supplied by the manufacturer, less water and exempt compounds, as applied to the motor vehicle, mobile equipment or associated parts and components.”

It would make more sense to say

“Compliance with the applicable VOC content limits shall be based on VOC content, including any material added to the original automotive coating supplied by the manufacturer, as applied to the motor vehicle, mobile equipment or associated parts and components, less water and exempt compounds.”

Or even

“Compliance with the applicable VOC content limits shall be based on VOC content, including any material added to the original automotive coating supplied by the manufacturer, as applied, less water and exempt compounds.”

Response:

The following suggested revision has been incorporated into the proposed amended rule:

“Compliance with the applicable VOC content limits shall be based on VOC content, including any material added to the original automotive coating supplied by the manufacturer, as applied, less water and exempt compounds.”

G. Section (d) (2) - Most restrictive Limit

Section (d) (2) provides the restriction that when a coating meets more than one definition or is recommended to fit more than one coating category, then the lower limit listed must apply. However, there are certain exceptions which may be needed: pretreatment coatings and weld-through primers seem to meet the definition for primers [that is, they provide corrosion resistance]: are either of these defined coatings supposed to meet 250 g/l limit for primers?

Response:

Pretreatment primers are required to be specifically labeled and formulated for application directly to bare metal surfaces to provide corrosion resistance and adhesion. “Weld-through Primers”, although having a stand-alone definition, for the purposes of this rule are considered to be a subset of the “Primer” category and subject to the Primer VOC content limit. If a material is specifically labeled and formulated for both pretreatment and non-pretreatment primer use, it would be subject to the more restrictive limit. Staff does not believe that pretreatment primers would be labeled and formulated for use as a non-pretreatment primer.

H. Section (d) (4) – Exempt Compounds

Section (d) (4) needs to be amended to specify automotive coatings. This can be accomplished as shown below:

“A person shall not manufacture, sell, offer for sale, distribute for use in the District, or apply any automotive coating which contains any Group II Exempt Compounds as defined in Rule 102.”

Response:

Staff has included the suggested revision to the proposed amended rule.

I. Section (e) (3) (A) – Prohibition of Sale of Noncompliant Coatings

Section (e) (3) (A) (iv) (VIII) prohibits the sale of noncompliant coatings unless certain provisions are met. Subpart (iv) (VIII) provides the requirements when sale is to an end user. It requires the name and address of the person receiving the noncompliant automotive coating and the basis upon which the sale is being made, and a statement that the statement made by the end user about this basis is correct. This paragraph could be clarified by removing the supply and distribution concepts: it should be sufficient to simply cover “for sale to end users.” [In addition, receiving was spelled incorrectly.]

Response:

Staff has included the suggested revision to the proposed amended rule.

J. Section (f) (1) (E) – Recordkeeping

Section (f) (1) (E) covers recordkeeping and still requires we provide documentation that demonstrates the material is an automotive coating. The documentation listed may state that a coating is an automotive coating, or may imply it by the directions for use. However, such

documentation will not really demonstrate that a coating is an automotive coating. Perhaps changing the word “demonstrate” to “states” would clarify the meaning of this paragraph, as follows:

“Documentation such as manufacturer specification sheets, material safety data sheets, technical data sheets, or any other air quality data sheets that ~~demonstrate~~ indicate ~~that~~ the material is intended for use as an automotive coating or solvent”

Response:

Staff has included the suggested revision to the proposed amended rule.

Comment #33 {American Coatings Association}:

A. In the Clear Coating definition, it makes no sense to put a clear over a clear. By changing the definition to a “base” coating, you now could put this over a primer which is not necessarily considered a color coating. ACA recommends the following change:

“CLEAR COATING means any automotive coating that contains no pigments is formulated with materials that do not impart color and is specifically labeled and formulated for application over a color coating or ~~clear~~ base coating.”

Response:

Other stakeholders also had concerns that a clear coat wasn’t meant to be applied over a clear coat with the possible exception of applying a clear over a properly prepared weathered clear coat for restoration purposes. Staff revised the definition for clear coating as follows:

“CLEAR COATING means any automotive coating that is formulated with materials that do not impart color and is specifically labeled and formulated for application over a color coating or clear coating.”

Staff believes the current definition for a clear coating captures the intent of what a clear coating is used for. The original definition for “Clear Coating” in Rule 1151 was mirrored from ~~CARB’s State~~ the state Suggested Control Measure, as approved by their Board on October 20, 2005, and since then all the other Air Pollution Control Districts and Air Quality Management Districts in the state of California have been using the same or similar definition.

B. Under the definition of VOC, TBAC is not a VOC when used in automotive coatings other than color coatings and clear coatings. However, under the proposed recordkeeping requirements (f)(1)(D) VOC, actual and regulatory, for the automotive coating, for the purposes of recordkeeping, TBAC shall be considered a VOC **for any automotive coating** and TBAC shall be included in the VOC, actual and regulatory, for the automotive coating. The way this is phrased, it would bring primers, and all other categories back into treating TBAC as a VOC. ACA recommends the following change:

*“...TBAC shall be considered a VOC for any automotive ~~coating~~ **refinish color coating and clear coating** and TBAC shall be included in the VOC, actual and regulatory, for the automotive ~~coating~~ **refinish color coating and clear coating.**”*

Response:

Staff has removed the recordkeeping requirement for TBAC as a VOC to subparagraph (f)(1)(D) of the proposed amended rule based on a follow-up review of EPA's evaluation for the 2005 amendment to the rule.

- C. Also in the recordkeeping section, under prohibition of sale (see page 13), ACA noted that recordkeeping is being expanded from "...the person that offers for sale, or distributes..." to "...the person that supplies, sells, offers for sale, markets, blends, *repackages*, or distributes..." This could impact distribution down the entire supply chain. In particular, inclusion of the term "repackages" could draw in toll processors who might be hired to fill small containers from bulk packages supplied by a coating manufacturer. In that case the toll company would likely be operating under an air permit and their operation is not dependent on whether the product to be repackaged is refinish, deco, AIM, etc. Unless such an operation is "selling" directly to customers (wholesalers or body shops) which is unlikely, they are simply a toll processor and should not be covered under the refinish rule.

Response:

Please see response to Comment #28.

REFERENCES

SCAQMD Staff Report, Proposed Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations, December 2005

Websites:

DeVilbiss Automotive Refinishing

<http://www.autorefinishDeVilbiss.com/aboutus.aspx>

Sata GmbH & Co., KG

<http://www.sata.com/index.php?id=rppistolen&L=11>

Sharpe

<http://www.sharpe1.com/sharpe/sharpe.nsf/Page/RAZOR+LVLP>

Spray Gun World

<http://www.spraygunworld.com/products/DeVilbiss/Compacts/CompactCViPOutifts.html>

Spray Painting

http://en.wikipedia.org/wiki/Spray_painting

The History of Spray guns

<http://www.bodyshopbusiness.com/issue/article.aspx?contentid+4109>

Electrostatic Paint Application

<http://spraygunindustry.com/Information2/Electro%20Static/Electrostatic%20Start.html>

<http://www.hppindustrialsales.com/pages/accessa.asp>



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • <http://www.aqmd.gov>

SUBJECT: NOTICE OF EXEMPTION FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT

PROJECT TITLE: PROPOSED AMENDED RULE 1151 – MOTOR VEHICLE AND MOBILE EQUIPMENT NON-ASSEMBLY LINE COATING OPERATIONS

Pursuant to the California Environmental Quality Act (CEQA) Guidelines, the South Coast Air Quality Management District (SCAQMD) is the Lead Agency and has prepared a Notice of Exemption for the project identified above.

The SCAQMD has reviewed the proposed project pursuant to CEQA Guidelines §15002 (k)(1) - General Concepts, the first step of a three-step process for deciding which document to prepare for a project subject to CEQA. The SCAQMD has determined that that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt pursuant to CEQA Guidelines §15061 - Review for Exemption, paragraph (b)(3) – “general rule” exemption.

A Notice of Exemption has been prepared pursuant to CEQA Guidelines §15062 - Notice of Exemption. If the project is approved, the Notice of Exemption will be filed with the county clerks of Los Angeles, Orange, Riverside and San Bernardino counties.

Any questions regarding this Notice of Exemption should be sent to Barbara Radlein (c/o Planning, Rule Development and Area Sources) at the above address. Ms. Radlein can also be reached at (909) 396-2716. Mr. Don Hopps is also available at (909) 396-2334 to answer any questions regarding the proposed amended rule.

Date: August 13, 2014

Signature:

A handwritten signature in blue ink that reads "Michael Krause". The signature is written in a cursive style and is positioned above a horizontal line.

Michael Krause
Program Supervisor, CEQA Section
Planning, Rules, and Area Sources

NOTICE OF EXEMPTION

To: County Clerks
Counties of Los Angeles, Orange,
Riverside and San Bernardino

From: South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Project Title:

Proposed Amended Rule 1151 – Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations

Project Location:

South Coast Air Quality Management District: the four-county South Coast Air Basin (Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino counties) and the Riverside County portion of the Mojave Desert Air Basin.

Description of Nature, Purpose, and Beneficiaries of Project:

The proposed amendments to Rule 1151 seek to make administrative changes by removing obsolete rule language and making minor revisions and editorial corrections. The proposed amendments will also add new definitions for the following terms: automotive graphic arts operation; solvent cleaning; and, weld-through primer. In addition, the proposed amendments will revise the transfer efficiency equivalency section and add an exemption from the transfer efficiency requirements for automotive graphic arts operations, truck bed liner coatings, and underbody coatings. Finally, the proposed amendments to Rule 1151 would update existing definitions, and include other minor changes for clarity and consistency throughout the rule.

Public Agency Approving Project:

South Coast Air Quality Management District

Agency Carrying Out Project:

South Coast Air Quality Management District

Exempt Status:

CEQA Guidelines §15002 (k)(1) – General Concepts

CEQA Guidelines §15061 (b)(3) – Review for Exemption

Reasons why project is exempt:

The SCAQMD has reviewed the proposed amendments to Rule 1151 pursuant to CEQA Guidelines §15002 (k)(1) - General Concepts, the first step of a three-step process for deciding which document to prepare for a project subject to CEQA. The SCAQMD has determined that that it can be seen with certainty that there is no possibility that the proposed project may have any significant effects on the environment, and is therefore, exempt pursuant to CEQA Guidelines §15061 - Review for Exemption, paragraph (b)(3) – “general rule” exemption.

Project Approval Date:

SCAQMD Governing Board Hearing: September 5, 2014, 9:00 a.m.; SCAQMD Headquarters

CEQA Contact Person:

Ms. Barbara Radlein

Phone Number:

(909) 396-2716

Fax Number:

(909) 396-3324

Email:

bradlein@aqmd.gov

Rule Contact Person:

Mr. Don Hopps

Phone Number:

(909) 396-2334

Fax Number:

(909) 396-3324

Email:

dhopps@aqmd.gov

Date Received for Filing: _____

Signature: _____

(To be signed upon project approval)

Michael Krause, Program Supervisor
Planning, Rule Development & Area
Sources

BOARD MEETING DATE: September 5, 2014

AGENDA NO. 34

PROPOSAL: Approve Truck Projects under “Year 4” Proposition 1B-Goods Movement Program

SYNOPSIS: At its April 4, 2014 meeting, the Board approved a list of heavy-duty truck projects under the “Year 4” Proposition 1B-Goods Movement Program. Since then additional truck project applicants have furnished information for completion of evaluations and the projects have passed CARB’s compliance check requirements. This action is to augment the list of truck projects, previously approved by the Board, with additional truck projects as outlined in Table 1.

COMMITTEE: No Committee Review

RECOMMENDED ACTION:

Approve additional truck projects, as outlined in Table 1, to augment the projects previously approved by the Board, subject to CARB’s final ranking approval under the Proposition 1B-Goods Movement Program.

Barry R. Wallerstein, D.Env.
Executive Officer

MMM:FM

Background

At its April 4, 2014 meeting, the Board approved goods movement truck projects under the second solicitation phase of the “Year 4” Proposition 1B-Goods Movement Program. Some truck projects were not included in staff’s recommended list because of missing information for completion of evaluations. Since then staff has worked with these applicants and more truck projects have become eligible.

Outreach

In accordance with SCAQMD’s Procurement Policy and Procedure, a public notice advertising the RFP/RFQ and inviting bids was published in the Los Angeles Times, the Orange County Register, the San Bernardino Sun, and Riverside County’s Press

Enterprise newspapers to leverage the most cost-effective method of outreach to the South Coast Basin.

Additionally, potential bidders may have been notified utilizing SCAQMD's own electronic listing of certified minority vendors. Notice of the RFP/RFQ has been e-mailed to the Black and Latino Legislative Caucuses and various minority chambers of commerce and business associations, and placed on the Internet at SCAQMD's website (<http://www.aqmd.gov>).

Proposal

This action is to approve additional truck projects, as outlined in Table 1, to augment the projects previously approved by the Board on April 4, 2014, all of which are subject to CARB's final ranking approval under the Proposition 1B-Goods Movement Program. These truck projects have now become eligible because they provided missing information and their evaluations have been completed.

Benefits to SCAQMD

The successful implementation of these truck projects will reduce NO_x, PM and other pollutant emissions in a cost-effective and expeditious manner, which will help achieve the goals of the AQMP. The new equipment/vehicles funded under this program are expected to operate for many years, providing long-term emission reduction benefits in the region.

Resource Impacts

On February 7, 2014, the Board recognized revenue from CARB into SCAQMD's Proposition 1B-Goods Movement Program Fund (81), as part of the "Year 4" Proposition 1B-Goods Movement Program, including a minimum of \$11,809,524 for second phase project funding. Funding for the truck projects listed in Table 1, as well as the ones previously approved, shall not exceed \$11,809,524, in addition to any unused funds from the first phase of the "Year 4" Proposition 1B truck projects, from the Proposition 1B-Goods Movement Program Fund (81).

Attachment

Table 1: Heavy-Duty Diesel Truck Projects

Table 1: Heavy-Duty Diesel Truck Projects

The following projects are being added to the list of eligible trucks as supporting documents and Campaign Contributions Disclosure forms have been received.

PROJECT ID	APPLICANT NAME	PROJECT TYPE	PROP 1B AWARD (\$)
467-L1972-GNA	ABUNDIO FUENTES HERRERA	REPLACEMENT	\$40,000
214-9502-MW	ADAMS & SONS TRANSPORTATION, INC/ WESTRUX INTERNATIONAL, INC.	REPLACEMENT	\$40,000
214-9503-MW	ADAMS & SONS TRANSPORTATION, INC/ WESTRUX INTERNATIONAL, INC.	REPLACEMENT	\$40,000
1019-145-AY	AIM TRANSPORTATION	REPLACEMENT	\$40,000
1028-7489-AY	BENJAMIN GARCIA	REPLACEMENT	\$40,000
1048-001-AY	ERIK REYES GIRON DBA GE TRANSPORT	REPLACEMENT	\$50,000
873-001-GNA	ESTEBAN GOMEZ	REPLACEMENT	\$40,000
873-002-GNA	ESTEBAN GOMEZ	REPLACEMENT	\$40,000
659-1644-GNA	FAUSTINO S. RAMIREZ DBA R/K TRANSPORT	REPLACEMENT	\$40,000
356-111-GNA	FRANCISCO JAVIER NAVAS RUSSO	REPLACEMENT	\$40,000
733-C087-GNA	FREDY A. SANTOS	REPLACEMENT	\$40,000
753-000-GNA	GREGORIO ROMERO DBA RG TRUCKING	REPLACEMENT	\$40,000
1010-919-AY	J. LUIS FRANCO GUTIERREZ DBA FRANCO TRUCKING	REPLACEMENT	\$40,000
1215-001-MC	JOSE CASTRO DBA LJC TRUCKING	REPLACEMENT	\$40,000
318-023-GNA	JOSE PERAZA	REPLACEMENT	\$40,000
1171-001-SS	JUAN MENDOZA DBA JM & MM ENTERPRISES, INC.	REPLACEMENT	\$40,000
835-02-GNA	LEONEL ARTEAGA DBA L.A. TRUCKING INC.	REPLACEMENT	\$40,000
500-7691-GNA	LUIS RIGOBERTO PECH DBA JULIAS TRUCKING	REPLACEMENT	\$40,000
1156-696-SS	MARCO VILLASENOR	REPLACEMENT	\$40,000
1007-001-AY	MARIBEL ALEJANDRA LEDESMA DBA ALEJANDRA'S TRUCKING	REPLACEMENT	\$40,000
746-229-GNA	MICHAEL ANDREW LOPEZ	REPLACEMENT	\$40,000
1218-468-MC	MICHAEL SCOVELL DBA SCOVELL TRANSPORT	REPLACEMENT	\$40,000
1051-18777-AY	NERY SALGUERO DBA D' NONO'S TRUCKING	REPLACEMENT	\$40,000
697-001-GNA	NICHELE MOORE	REPLACEMENT	\$50,000
345-002-GNA	NIGHT TRAIN TRANSPORT, INC	REPLACEMENT	\$40,000
345-069-GNA	NIGHT TRAIN TRANSPORT, INC	REPLACEMENT	\$40,000
443-11521-GNA	RAUL JIMENEZ DBA RULIS TRUCKING EXP	REPLACEMENT	\$40,000
511-TSE100-GNA	RICK LEE TAYLOR AND DORTHEA MARIA TAYLOR	REPLACEMENT	\$40,000
670-001-GNA	ROBERTO MAGALLON DBA MAGALLON TRUCKING	REPLACEMENT	\$35,000
481-04-GNA	ROMAN COVARRUBIAS DBA COVARRUBIAS TRUCKING	REPLACEMENT	\$40,000
1024-033-AY	RUBEN PEREZ DBA RUBEN PEREZ TRUCKING	REPLACEMENT	\$40,000
666-7711-GNA	TOVALIN TRUCKING TRANSPORT	REPLACEMENT	\$40,000