



# SCV Water Agency Regular Board Meeting

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**Tuesday, December 5, 2023**  
**Regular Board Meeting Begins at 6:00 PM**

**Members of the public may attend by the following options:**

## **IN PERSON**

Santa Clarita Valley Water Agency  
Rio Vista Water Treatment Plant  
Boardroom  
27234 Bouquet Canyon Road  
Santa Clarita, CA 91350

## **BY PHONE**

Toll Free: 1-(833)-568-8864  
Webinar ID: 160 063 2604

## **VIRTUALLY**

Please join the meeting from your computer,  
tablet or smartphone:  
<https://scvwa.zoomgov.com/j/1600632604>

## **Have a Public Comment?**

Members of the public unable to attend this meeting may submit comments either in writing to [ajacobs@scvwa.org](mailto:ajacobs@scvwa.org) or by mail to April Jacobs, Board Secretary, Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Board members and posted on the Santa Clarita Valley Water Agency website prior to the start of the meeting. Anything received after 4:00 PM the day of the meeting will be made available at the meeting, if practicable, and posted on the SCV Water website the following day. All correspondence with comments, including letters or emails, will be posted in their entirety. (Public comments take place during Item 3 of the Agenda and before each Item is considered. Please see the Agenda for details.)

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This meeting will be recorded and the audio recording for all Board meetings will be posted to [yourSCVwater.com](http://yourSCVwater.com) within 3 business days from the date of the Board meeting.

Disclaimer: Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Board meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

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**SANTA CLARITA VALLEY WATER AGENCY  
REGULAR BOARD MEETING AGENDA**

**RIO VISTA WATER TREATMENT PLANT  
BOARDROOM  
27234 BOUQUET CANYON ROAD  
SANTA CLARITA, CA 91350**

**TUESDAY, DECEMBER 5, 2023 AT 6:00 PM**

**IMPORTANT NOTICES**

**5:15 PM DISCOVERY ROOM OPEN TO THE PUBLIC**

Dinner for Directors and staff in the Discovery Room.  
There will be no discussion of Agency business taking place prior to the  
Call to Order at 6:00 PM.

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually by using the **Agency's Call-In Number 1-(833)-568-8864, Webinar ID: 160 063 2604 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1600632604>**. Any member of the public may listen to the meeting or make comments to the Board using the call-in number or Zoom Webinar link above.

However, in the event there is a disruption of service which prevents the Agency from broadcasting the meeting to members of the public using either the call-in option or internet-based service, this meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is being provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in person.

Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Board meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

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- 1. CALL TO ORDER**
- 2. PLEDGE OF ALLEGIANCE**

3. **PUBLIC COMMENTS** – Members of the public may comment as to items within the subject matter jurisdiction of the Agency that are not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so at the time each item is considered. (Comments may, at the discretion of the Board’s presiding officer, be limited to three minutes for each speaker.) To participate in public comment from your computer, tablet, or smartphone, click the “raise hand” feature in Zoom. You will be notified when it is your turn to speak, please unmute when requested. To participate in public comment via phone, dial \*9 to raise your hand. When it is your turn to speak, dial \*6 to unmute.

4. **APPROVAL OF THE AGENDA**

5. **CONSENT CALENDAR** **PAGE**

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5.4 *	Approve Receiving and Filing of August 2023 Monthly Financial Report – <a href="#">August 2023 Check Register</a>	37

6. **ACTION ITEMS FOR APPROVAL** **PAGE**

6.1 *	Approve Minutes of the November 21, 2023 Santa Clarita Valley Water Agency Regular Board of Directors Meeting	71
6.2 *	Approve Adopting a Resolution Approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B & C) Development	75
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6.4 *	Approve a Contract Renewal with Systems & Software, Inc. for enQuesta Customer Service System Maintenance and Support	265
6.5 *	Approve Receiving and Filing of September 2023 Monthly and FY 2023/24 First Quarter Financial Report (July – September 2023) – <a href="#">September 2023 Check Resister</a>	289
6.6 *	Consider and Approve Issuing a Request For Proposals to Remodel the Existing SCV Water Agency Boardroom	397

7. **ANNUAL CONSIDERATION OF GENERAL MANAGER’S AGREEMENT** **PAGE**

7.1 *	Consider Salary Determination and Update to General Manager’s Agreement Following Annual Performance Evaluation	413
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8. **GENERAL MANAGER’S REPORT ON ACTIVITIES, PROJECTS AND PROGRAMS**

**9. COMMITTEE MEETING RECAP REPORTS FOR INFORMATIONAL PURPOSES ONLY PAGE**

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**11. PRESIDENT’S REPORT**

**12. AB 1234 WRITTEN AND VERBAL REPORTS PAGE**

12.1	AB 1234 Reports	
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**13. DIRECTOR REPORTS**

**14. DIRECTOR REQUESTS FOR APPROVAL FOR EVENT ATTENDANCE**

**15. ADJOURNMENT**

- \* Indicates Attachment
- ◆ Indicates Handout

**Note: The Board reserves the right to discuss or take action or both on all of the above Agenda items.**

**NOTICES**

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning April Jacobs, Secretary to the Board of Directors, at (661) 297-1600, or in writing to Santa Clarita Valley Water Agency at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

December 5, 2023

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Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on November 29, 2023.



## BOARD MEMORANDUM

**DATE:** December 5, 2023  
**TO:** Board of Directors  
**FROM:** Steve Cole  
Assistant General Manager *SC*  
**SUBJECT:** Approve Adoption of the 2024 Legislative Platform and Advocacy Process

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### SUMMARY

Each year, the Board of Directors adopts a Legislative Platform to direct staff and advocacy consultants when evaluating proposed legislation that may impact SCV Water. The Platform provides direction to staff, who in turn can direct Agency legislative advocates. This allows timely response to requests, for example, for letters of support or opposition to fast-moving legislation or other regulatory action. The Platform is intended to provide a clear understanding of our objectives in general, a solid foundation for our work going forward, and allow the Agency to engage in legislative actions in a timely manner in order to carry out the mission of the Agency.

### DISCUSSION

The 2024 Draft Legislative Platform is attached. Redline edits are included following discussion and input at the November 16, 2023, Public Outreach and Legislation Committee meeting. Typically, few circumstances arise during the year which are not covered by the Platform. Staff and advocates have not identified any additional topics for the coming year.

#### Advocacy Process

The Legislative Platform is the foundation for a nimble and responsive advocacy program. As an example of the Platform in action, the following outline describes the process. Keep in mind that this refers only to legislation with potential impact on SCV Water, which could be as a water provider, employer or an entity otherwise subject to the provisions of the proposed bill. Typically, this process only occurs at the state level, and not at a federal level.

1. A bill is introduced in the State Assembly/House or the State Senate/Senate.
2. The bill is identified by any of several entities which bring it to staff's attention. This could be California Advocates (SCV Water's state lobbyist), the legislative affairs staff of the Association of California Water Agencies (ACWA), California Special Districts Association (CSDA), Southern California Water Coalition, State Water Contractors Association or through other contacts and relationships through Agency staff and/or directors.
3. A decision is made whether to take action.
  - a. Does the bill address any of the issues in our Legislative Platform?

- b. If so, do we want to take action in support or opposition to the bill, in accordance to the Platform?
  - c. Do we want to request amendments? (i.e., “oppose unless”)
  - d. Are any industry organizations or coalitions taking action through a joint letter that we wish to add our logo to?
4. Only after this evaluation, and with the adopted Platform as authorization and guidance, will staff take action or direct California Advocates to take action.
  5. The action is then reported at the next Public Outreach and Legislation Committee meeting, with any letters attached to the agenda packet.

It’s important to note that while sometimes the Agency may directly issue a letter of support or opposition, most often we participate as part of a coalition. This is an accepted best practice in legislative advocacy, as those coalitions or industry organizations often have a higher profile and greater impact in the process.

On November 16, 2023, the Public Outreach and Legislation Committee consider staffs recommendation to Adopt the 2024 Legislative Platform and Advocacy Process.

### **STRATEGIC NEXUS**

The Legislative Platform supports Goal A of the Strategic Plan to "Implement policies supporting the social, quality of life, and environmental values of the community," specifically Strategy A.4 - Engage in statewide and federal water legislative and policy issues.

### **FINANCIAL CONSIDERATIONS**

None

### **RECOMMENDATION**

The Public Outreach and Legislation Committee recommends that the Board of Directors adopt the 2024 Legislative Platform at the December 5, 2023, regular Board Meeting.

Attachment





# 2024 LEGISLATIVE PLATFORM

Approved December 5, 2023

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## SCV WATER 2024 LEGISLATIVE PLATFORM

APPROVED: **DECEMBER 5, 2023**

### 1.0 **PURPOSE**

The SCV Water Legislative Platform provides statements and positions which have been adopted by the Board of Directors and/or are included in other adopted policies or plans. The Platform provides direction SCV Water staff and SCV Water's legislative advocates when evaluating proposed legislation that may directly or indirectly impact SCV Water or its customers. Legislation that meets or fails to meet the principles set forth in the Platform may be supported or opposed accordingly. This allows timely response in support or opposition to fast-moving legislation or other regulatory action.

Legislation that does not meet the principles set forth in the Platform, or that has potentially complicated or varied implications, will not be acted upon by staff or the legislative advocates and will instead be presented to the Board directly for guidance in advance of any position being taken. Additionally, legislation is presented to the Board for action when a Board vote is necessary to strengthen SCV Water's position on a bill. Following these guidelines allows staff to respond to legislation in a timely manner.

### 2.0 **IMPORTED WATER SUPPLY**

**It is SCV Water's policy to support:**

- 1) Development of a long-term state water plan that balances California's competing water needs amongst environmental, agriculture, and urban water management, and results in a reliable supply of high-quality water for the Santa Clarita Valley.
- 2) Implementation of a long-term, comprehensive solution for the Sacramento-San Joaquin River Delta (the Delta) that:
  - a) Provides reliable water supplies to meet California's short- and long-term needs.
  - b) Improves the ability to transport water across the Delta either for, or in supplement to, State Water Project deliveries, and addresses Delta levee stability cost effectively and efficiently.
  - c) Improves the quality of water delivered from the Delta.
  - d) Addresses the Bay-Delta's ecological health in a balanced manner that takes into account all factors that have contributed and are contributing to the Delta's degradation.
  - e) Encourages cost-effective water-use efficiency measures.

- f) Increases storage in a manner that does not detrimentally impact the water supply availability and reliability of the State Water Project.
- 3) Implementation of measures that enhance the cost-effective and efficient operation of State Water Project facilities, including opportunities to facilitate the collection and reporting of data to better inform decision making.

**It is SCV Water's policy to oppose:**

- 1) Legislation that would make urban water supplies less reliable, or would substantially increase the cost of imported water without also improving the reliability and/or quality of such water.
- 2) Revisions to the federal Central Valley Project (CVP) Improvement Act that would jeopardize the Delta's environmental integrity, compromise State Water Project supply availability and/or reliability and/or limit the ability of urban agencies to transfer and/or bank CVP water.

### **3.0 LOCAL WATER RESOURCES**

**It is SCV Water's policy to support legislation that:**

- 1) Provides federal and state funding for water conservation efforts, improvements in technology, water recycling, groundwater recovery and recharge, desalination, climate change studies and surface water development projects.
- 2) Authorizes and/or facilitates expanded use of local water resources including water recycling and stormwater capture.
- 3) Authorizes local governmental agencies to regulate the discharge of contaminants to the sewer collection system that may adversely affect water recycling and reuse.
- 4) Facilitates public understanding of and support for programs and projects that enhance the quality, reliability and supply of local water resources.
- 5) Encourage and/or funds watershed-based integrated water resources management and planning projects.
- 6) Removes barriers that restrict ability of local government to develop recycled water.
- 7) Facilitates the sustainable management of groundwater resources.

**It is SCV Water's policy to oppose legislation that:**

- 1) Restricts the ability of local governmental agencies to develop their local resources in a cost-effective, efficient and environmentally sensitive manner.

### **4.0 ENERGY**

**It is SCV Water's policy to support legislation that:**

- 1) Assists water agencies in obtaining reliable energy at reasonable costs.
- 2) Aids utilities in achieving energy efficiency improvements.
- 3) Provides for consistency in renewable energy pricing.

**It is SCV Water's policy to oppose legislation that:**

- 1) Imposes additional regulatory burdens on the State Water Project, water agencies and their power providers that reduces energy availability and/or reliability or increases energy costs.

**5.0 WATER USE EFFICIENCY**

**It is SCV Water's policy to support legislation that:**

- 1) Ensures accurate reporting of the implementation of water efficiency measures such as the urban Best Management Practices.
- 2) Sets cost-effective efficiency standards for water use.
- 3) Provides loans and grants to fund incentives for water conserving devices or practices.
- 4) Provides federal and state funding to improve water use efficiency technologies.
- 5) Provides flexibility in available methods for water agencies to meet state water conservation goals.

**It is SCV Water's policy to oppose legislation that:**

- 1) Fails to ensure balance in the implementation of water efficiency practices and requirements for both urban and agricultural use.
- 2) Results in measures that would not be cost-effective for the Santa Clarita Valley.

**6.0 WATER QUALITY**

**It is SCV Water's policy to support legislation that:**

- 1) Protects and/or improves the quality of surface water and groundwater.
- 2) Provides funding to help agencies meet state and federal water quality standards.
- 3) Establishes and/or implements standards for water-borne contaminants based on sound science and with consideration of cost-effectiveness.

**It is SCV Water's policy to oppose legislation that:**

- 1) Could compromise the quality of surface water and groundwater supplies.
- 2) Establishes and/or implements standards for water-borne contaminants without regard for technical feasibility, sound science or consideration of cost-effectiveness.

**7.0 SUSTAINABLE WATER RESOURCES MANAGEMENT PRACTICES**

**It is SCV Water's policy to support legislation that:**

- 1) Advances science relating to impacts of climate change on precipitation patterns and the manner in which operation of water resources infrastructure may be optimized.
- 2) Expands opportunities to increase and make cost effective use of renewable energy.

**8.0 WATER TRANSFERS**

**It is SCV Water's policy to support legislation that:**

- 1) Encourages and facilitates voluntary water transfers.
- 2) Streamlines the permitting and approval process for implementing transfers.
- 3) Provides appropriate protection or mitigation for impacts on the environment, aquifers, water-rights holders and third parties to the transfer, including those with interests in the facilities being used.
- 4) Encourages transfers that augment existing water supplies, especially in dry years.
- 5) Encourages use of available capacity in existing facilities to advance voluntary transfers of water.

**It is SCV Water's policy to oppose legislation that:**

- 1) Detrimentially impacts the operations and maintenance of conveyance systems.
- 2) Interferes with the financial integrity of sound water management practices.

**9.0 ADMINISTRATIVE AND FISCAL POLICY**

**It is SCV Water's policy to support legislation that:**

- 1) Requires the federal and state governments to provide a subvention to reimburse local governments for all mandated costs or regulatory actions.
- 2) Maintains the multi-county ERAF (Education Revenue Augmentation Fund) exemption.

- 3) Fosters public understanding of government activities and decision-making processes while not imposing unreasonable administrative or financial burdens.

**It is SCV Water's policy to oppose legislation that:**

- 1) Is inconsistent with SCV Water's current investment policies and practices.
- 2) Pre-empts SCV Water's ability to impose or change water rates, fees, or assessments.
- 3) Impairs SCV Water's ability to maintain reasonable reserve funds.
- 4) Impairs SCV Water's ability to provide service at reasonable costs to its retail purveyors.
- 5) Makes any unilateral reallocation of SCV Water revenues, or those of its retail purveyors.

**10.0 ENVIRONMENTAL POLICY**

**It is SCV Water's policy to support legislation that:**

- 1) Enhances the environment of the state of California in a balanced, cost-effective manner.
- 2) Enhances the environment of the Santa Clarita Valley in a balanced, cost-effective manner.
- 3) Protects the quality and quantity of California and the Santa Clarita Valley water supplies.

**It is SCV Water's policy to oppose legislation that:**

- 1) Imposes unreasonable additional costs, bureaucracy or legal obligations on water suppliers to meet environmental regulations.

**11.0 WATER RATE ASSISTANCE**

**It is SCV Water's policy to support legislation that:**

- 1) Is relevant to developing a Statewide approach to water ratepayers' assistance programs. Preference is for state-administered programs with an identified funding source.

**12.0 LAND USE AND GROWTH MANAGEMENT**

Refer specific legislation, whether of local or statewide interest, to the Board of Directors.

**13.0 INITIATION OF LEGISLATION**

Legislation relevant to the interests of SCV Water shall be initiated at the direction of the Board of Directors in coordination with the appropriate legislative advocate.

DRAFT





## BOARD MEMORANDUM

**DATE:** November 21, 2023  
**TO:** Board of Directors  
**FROM:** Rochelle Patterson *RP*  
Chief Financial and Administrative Officer  
**SUBJECT:** Approve a Revised Employee Manual Section No. 10.0 – Overtime Policy

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### SUMMARY

Management recommends the revision of Employee Manual No. 10 – Overtime Policy, by adding a section for Compensatory Time Off (CTO), as well as a few other minor clarifying edits.

### DISCUSSION

Due to the nature of their roles, several SCV Water employees frequently work extended hours beyond their normal (average) work week. Many have expressed a desire for the option to earn compensatory time off (comp time/CTO), rather than overtime (OT) or double-time (DT) pay. The Agency's current overtime policy does not address comp time, so staff conducted a survey of SCV Water's benchmark agencies, as well as those entities that responded to a CSMFO (California Society of Municipal Finance Officers) association survey to evaluate their offerings. The results are shown in Attachment 1.

Currently, SCV Water offers overtime pay to non-exempt employees at one-and-a-half times that of regular pay once an employee has worked over 40 hours in one week, and two times regular pay for double-time if an employee has worked more than 12 hours in one day, or on a holiday. As shown in the survey results, many benchmark agencies offer non-exempt employees the option for comp time/CTO. Each benchmark policy varies with different earnings caps, payout and carryover options, as reflected in Attachment 1.

After reviewing the CTO survey, it was determined that the Agency could benefit from enhancing its leave policy by offering similar comp time options. Therefore, staff has developed the following language to add to its OT policy.

Compensatory Time Off In lieu of Overtime/Double-Time Pay for Non-exempt employees:

- If an employee is authorized to work overtime/double-time, the employee may choose to be compensated by pay or compensatory time off (CTO). If an employee chooses CTO, it shall be for the amount of time equivalent to the extra hours worked in excess of their regular schedule.
- Accumulated CTO may not exceed a bank of 40 hours. If an employee reduces the CTO bank below 40 hours, then the employee may opt for CTO for future overtime/double time worked until the employee again reaches the 40-hour cap.
- CTO may be used with pre-approval of the employee's supervisor.

- A maximum of 20 CTO hours may be carried over to the next calendar year. Employees should make a good faith effort to use CTO hours prior to the end of the calendar year. As of December of any year, any hours in excess of 20 remaining CTO hours will be paid out.
- Additions to CTO will not be allowed for hours that are considered “billable” to outside sources, i.e., developer-funded projects.
- Upon termination of employment, employees shall be entitled to cash payment for unused CTO accumulated prior to their separation date.

Attachment 2 reflects these changes in redline copy, and for ease of reading, Attachment 3 reflects these revisions in a clean copy.

On November 20, 2023, the Finance and Administration Committee considered staff’s recommendation to approve a revised Employee Manual Section No. 10.0 – Overtime Policy. Comp time options for exempt employees were also presented and discussed, but the Committee opted not to move forward with those options at this time.

### **STRATEGIC NEXUS**

The revision of this policy helps support SCV Water’s Strategic Plan Goal F – High Performance Team – “Grow a culture of continuous improvement that fosters SCV Water’s values,” specifically Strategy F.2 – “Attract, train and retain quality staff” and Objective F.2.5 – “Update the SCV Water’s Employee Handbook.”

### **FINANCIAL CONSIDERATIONS**

There are no increases to the Agency budget by offering CTO. There is a potential for a reduction in overtime compensation if employees choose to use this CTO benefit.

### **RECOMMENDATION**

The Finance and Administration Committee recommends that the Board of Directors approve the revised Employee Manual No. 10 – Overtime Policy.

RP

Attachments

MBS

# ATTACHMENT 1

## SCV Water Compensatory Time Off (CTO) Survey

SCV Water Benchmark Agencies	Non-Exempt Employees; cap	Exempt Employees; cap	Comments
<b>Burbank Water and Power</b>	Yes; 240	Yes; 240	The Department Executive may, with consent of the employee, authorize time off with pay in lieu of overtime pay. Employees shall not be permitted to accumulate in-lieu time in excess of a total of 240 hours.
<b>Calleguas Municipal Water District</b>	Yes; depends on annual leave	No; Annual Leave	OT accrued beyond 8-hour workday or 40 hr workweek. Paid out at OT at cap of annual leave. Each OT hour may be paid out as time-and-a-half, OR comp time at time-and-one-half.
<b>Cucamonga Valley Water District</b>	40	No, but Admin 2-4 days annually	
<b>Eastern Municipal Water District</b>	Yes; 80	Yes; 80	An employee's total accrued compensatory time off hours may not exceed 80 hours.
<b>Glendale Water and Power</b>	Yes; 80	Yes; 80	Unused hours not used by calendar year get transfer to vacation time. Rolling balance; anything beyond cap gets paid out as OT.
<b>Irvine Ranch Water District</b>	N/A	N/A	
<b>Las Virgenes Municipal Water District</b>	Yes; 80	Yes; 60	Non-exempt: employee's choice: cash or comp time; 80 max Exempt: straight comp time for excess of 40 hrs in a week; 60 max Management Leave: 72-88 hrs given, depending on position. Unused leave in excess of 60 hours by end of FY will be forfeited or donated to Catastrophic Leave Bank. Up to 50 hours may be paid out as long as 80 hours of vacation used first.
<b>Los Angeles Department of Water &amp; Power</b>	Yes; 240	No, but get 18 hours per year	Employees in this unit who accrue accumulated overtime shall be entitled to accrue no more than 240 hours of overtime. All overtime approved and worked in excess of 240 accrued hours shall be paid in cash.
<b>Metropolitan Water District of SoCal</b>	Yes, 40	Premium Pay	Non-exempt employees may choose CTO in lieu of OT pay, up to 40 hours. Exempt employees are entitled to premium pay for each day the employee works at least four (4) hours, but less than eight (8) hours on a day outside of the regular work schedule, the daily premium is \$200. For each day of the assignment that the employee works eight (8) hours or more on a day outside of the regular work schedule, shall receive a daily premium of \$400.
<b>Torrance Municipal Water</b>	Yes; 80	3 – 8 days of Administrative Leave	Non-exempt employees can receive compensatory time and can be accrued to a maximum of 80 hours. Exempt employees receive 3 to 8 days of administrative leave per fiscal year. The leave cannot be carried forward to a subsequent fiscal year or cashed out.

## SCV Water Compensatory Time Off (CTO) Survey

Other Entities who responded to CSMFO query	Non-Exempt Employees	Exempt Employees	Comments
City of Santa Clarita	Yes, 80	10 days admin leave per year	Exempt employees given 10 days admin leave per calendar year.
City of Carlsbad	Yes, 80	No, but get 64 hrs exec leave	CTO offered in lieu of OT at time-and-one-half. Excess of 80 hrs are paid out at OT. Balance of CTO is paid out at end of fiscal year. Exempt employees receive 64 hrs of annual executive leave which must be taken by the end of the fiscal year.
City of Mission Viejo	Yes, 240	No	CTO offered to non-exempt employee in lieu of OT at time and one-half. Hours beyond 240 will be paid out as OT. Any CTO balance will be paid out at regular rate at termination, retirement or death.
City of Pico Rivera	Yes, 60	Yes, 60	CTO offered in lieu of OT pay at straight time for hours worked beyond that of regular workday, and time-and-one-half for those hours worked beyond the regular work week. Further details not stated.
City of San Juan Capistrano	Yes, 230	No, but get 80 hrs management leave	CTO offered in lieu of hours worked beyond 40-hour work week at rate of time-and-one-half. Hours in one day worked beyond 12 hours is earned at double OT or CTO. Only 80 hrs off balance may be carried over to next fiscal year. Any paid-out hours are at the rate of pay at which time they were earned; leave must be taken or be paid out prior to any salary adjustment.
Mammoth Community Water District	Yes, 40	N/A	CTO offered in lieu of any hours worked greater than the employee's scheduled time at time-and-one-half, anything beyond that is paid out in OT. Balances paid out at end of fiscal year.
Padre Dam Municipal Water District	Yes, 240	No, but get 1 week vacation	CTO for non-exempt, maximum of 240 hours. Employees can elect to leave up to 80 hours in their CTO bank and the remaining will be paid out annually. Exempt employees receive one additional week of vacation time until they have reached the maximum vacation accrual for their years of service.
Palmdale Water	Yes, varies	No, but 40/80 hours of Admin Leave	CTO is offered for time off from work in lieu of overtime pay. Any earned CTO must be used within 30 days following the date on which the overtime was worked. If not used within 30 days, CTO is converted to wages. Admin leave is given to exempt management level employees: 40 hours for supervisors and 80 hours for manager and above.

## SCV Water Compensatory Time Off (CTO) Survey

Other Entities who responded to CSMFO query	Non-Exempt Employees	Exempt Employees	Comments
Placer County Water Agency	Yes, 120	No; but get 72 hrs of exec leave	CTO offered to non-exempt employees in lieu of OT at the rate of time-and-one-half. 40 hours may be carried over to next year and must be used prior to any other form of paid leave. CTO balances in excess of 40 hrs must be used or paid out by end of calendar year. For exempt employees, 72 hrs of executive leave is granted at beginning of calendar year. Use it or lose it; no carryover balances and no payouts.
Soquel Creek Water District	Yes, 80	N/A	CTO in lieu of OT at time-and-a-half is paid out beyond 80 banked hours; only 48 hrs CTO may be used per quarter.

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<b>EMPLOYEE MANUAL</b>	
Policy Title: <b>OVERTIME POLICY</b>	
Policy No.: 10.0	Section Nos.: 10.0 – 10. <del>34</del>
Approval Date: <u>December 2023</u>	Effective Date: <del>January 2018</del> <u>January 2024</u>
Approved By: Board of Directors	

**10.0 OVERTIME POLICY**

The overtime policy shall be in compliance with the requirements of the Fair Labor Standards Act (FLSA) as those may be revised from time-to-time and with Board adopted policy and shall be applied to all employees. Because the Agency is a public entity, it is not subject to the California state overtime rules and laws.

Any employee may be requested to work in excess of the regular workday by its supervisor or the General Manager ~~or his or her supervisor~~. The Agency will pay all non-exempt employees at the rate of one-and-a-half times the regular rate of pay for all hours in excess of 40 in a workweek, except as otherwise provided by FLSA. Paid leave hours (vacation, holiday, sick leave, bereavement leave, jury duty, military leave, etc.) will be included in the calculation for determination of a 40-hour workweek.

In addition, the Agency pays time-and-a-half overtime for the first 4 hours of daily overtime and 2.0 times the base hourly salary for all consecutive overtime hours worked in excess of 4 hours, even when spanning more than one workday. Daily overtime is hours worked in excess of the normal workday (generally an 8-hour shift).

It will be the employee’s immediate supervisor’s responsibility to determine if an employee should work his or her regularly scheduled work shift after working overtime. Employees are not permitted to work overtime without the express prior approval of their supervisor. Employees in violation of this policy will be subject to discipline, up to and including termination. Nonetheless, the Agency will pay employees for all hours actually worked in a given workweek in accordance with applicable federal law. Paid holidays, as an example, do not count as “hours worked” for purposes of overtime calculations unless an employee actually worked on the holiday.

**10.1 Scheduled Overtime**

Scheduled overtime work is announced in advance and generally will involve an entire department or operation. This type of overtime becomes part of the required workweek of the people who are members of the department or operation. Employees that need to be excused from performing scheduled overtime should speak with their supervisor, who will consider each situation and the requirements of the department or operation in deciding whether an employee may be excused from performing the scheduled overtime.

**10.2 Incidental Overtime**

Incidental overtime is not scheduled; it becomes necessary in response to extenuating circumstances, such as responding to service calls or other problems that may arise in the evenings or on holidays or weekends. Extra time may be needed to complete work normally completed during regular hours. Incidental overtime may also become necessary when an illness or emergency keeps co-workers from being at work as anticipated. It may require that an employee return to the workplace for emergency work. The opportunity to work incidental overtime will be given first to the employee who normally performs the task. If that employee cannot work the overtime, the supervisor will offer the overtime to a suitably qualified person who is available to perform the overtime work. In the event that no employee voluntarily agrees



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to work the necessary incidental overtime, the Agency may require an employee to work incidental overtime regardless of whether the employee volunteered. An employee's refusal to work mandatory overtime will subject an employee to discipline, up to and including termination.

### **10.3 Compensatory Time Off**

Compensatory time off, also referred to as comp time or CTO, is paid time off given to an employee in lieu of overtime/double-time pay. Accumulated CTO has a rotating cap of 40 hours. When an employee utilizes their CTO hours and reduces their bank balance below 40, the employee may once again earn CTO hours until it reaches the 40-hour cap. CTO may be used with pre-approval of the employee's supervisor. CTO may not be carried over to the next calendar year. Employees should make a good faith effort to use CTO hours prior to the end of the calendar year.

#### **10.3.1 CTO for Non-Exempt Employees**

- If an employee is authorized to work overtime/double-time, the employee may choose to be compensated by pay or compensatory time off (CTO). If an employee chooses CTO, it shall be for the amount of time equivalent to the extra hours worked in excess of their regular schedule, i.e., if an employee works one hour of OT, the employee will receive one and one half hours of CTO.
- Accumulated CTO may not exceed a bank of 40 hours. If an employee reduces the CTO bank below 40 hours, then the employee may opt for CTO for future overtime/double time worked until the employee again reaches the 40-hour cap.
- CTO may be used with pre-approval of the employee's supervisor.
- A maximum of 20 CTO hours may be carried over to the next calendar year. Employees should make a good faith effort to use CTO hours prior to the end of the calendar year. As of December of any year, any hours in excess of 20 remaining CTO hours will be paid out.
- Additions to CTO will not be allowed for hours that are considered "billable" to outside sources, i.e., developer-funded projects.
- Upon termination of employment, employees shall be entitled to cash payment for unused CTO accumulated prior to their separation date.

### **10.4 Holiday Compensation**

Full-time non-exempt employees who work on an Agency holiday will be paid for the holiday ~~and at~~ two times their normal hourly rate for each hour actually worked on the holiday, in accordance with Policy 13.4.





<b>EMPLOYEE MANUAL</b>	
Policy Title: <b>OVERTIME POLICY</b>	
Policy No.: 10.0	Section Nos.: 10.0 – 10.4
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## BOARD MEMORANDUM

**DATE:** November 21, 2023  
**TO:** Board of Directors  
**FROM:** Rochelle Patterson *RP*  
Chief Finance and Administrative Officer  
**SUBJECT:** Approve a Revised Driving and Vehicle Policy

---

### SUMMARY AND DISCUSSION

Management recommends approval of the attached revised Driving and Vehicle Policy for the Santa Clarita Valley Water Agency. This policy was originally adopted in September 2019 and needs updating.

The Driving and Vehicle Policy establishes uniform guidelines for employees whose positions at the Agency may require driving an Agency vehicle. It also establishes procedures regarding driver's licenses, insurance, driving safety, records, restrictions, and authorizations for overnight use.

Since September 2019, there have been organizational and workflow changes. The revised policy addresses current practices and adds clarifying language for Agency Vehicles Approved for Long-Term Overnight Use, section 6.0.

The addition of the perimeter map (Attachment 1 to the policy) provides clear direction to Agency managers, supervisors, and employees with specific authority and responsibility on policy guidelines for long-term overnight use of Agency vehicles. Adding the perimeter map will ensure that Agency employees are close enough to respond when called and reduce the number of miles on Agency vehicles.

On November 20, 2023, the Finance and Administration Committee considered staff's recommendation to approve a revised Driving and Vehicle Policy.

### STRATEGIC PLAN NEXUS

The revision of this policy helps to support SCV Water's Strategic Plan Objective F.1.2. – "Standardize operating procedures and business processes across the organization," as well as Objective F.1.3 – "Update, develop and maintain clear and comprehensive policies for SCV Water."

### FINANCIAL CONSIDERATIONS

None.

## **RECOMMENDATION**

The Finance and Administration Committee recommends that the Board of Directors approve the attached revised Driving and Vehicle Policy.

RP

Attachment

M65



POLICIES, RULES AND REGULATIONS	
Title: <b>DRIVING AND VEHICLE POLICY</b>	
Approval Date: <del>September 2019</del> <u>December 2023</u>	Effective Date: <del>September 2019</del> <u>January 2024</u>
Approved By: Board of Directors	DMS #

## DRIVING AND VEHICLE POLICY

### 1.0 PURPOSE

Some positions at the Agency require the ability to drive a motor vehicle. The purpose of this policy ~~establishes~~ is to establish uniform procedures that apply to employees who drive Agency and/or personal vehicles for Agency business. This policy also establishes procedures for reviewing employee Department of Motor Vehicle (DMV) driving records reports and for addressing restriction, suspension or revocation of a required California driver's license. All Agency-provided vehicles are for Agency use only and may be taken overnight only with prior authorization of the ~~supervisor~~ Department Manager.

Employees shall drive in accordance with the following:

- Applicable local, State and Federal laws
- Safe and defensive driving practices
- Reasonable prudence to conserve fuel, energy and maintain vehicles at the highest operating efficiency
- The Agency's liability, property and other insurance programs, and in a manner to reduce liability to such.

### 2.0 VALID DRIVER'S LICENSE

All employees whose job responsibilities require the ability to drive a motor vehicle throughout the duration of their employment with the Agency shall maintain a valid driver's license, appropriate to the kind of vehicle they are required to drive, as well as an acceptable driving record. An acceptable driving record shall be defined as a driving record with five (5) or fewer points assigned by the Department of Motor Vehicles ("DMV"). In addition, the employee will be part of the DMV Employer Pull Notice Program. The Agency participates in a system that regularly checks the DMV records of all employees who drive as part of their job.

Any employee who does not maintain a valid, appropriate driver's license and an acceptable driving record, or who is determined to be uninsurable by the Agency, may be subject to disciplinary action up to and including suspension, demotion, transfer or termination. Any change in an employee's driving license must be reported immediately to his or her supervisor.

Before commencing employment, each employee required to drive for Agency business shall provide a copy of his/hert driver's license.

### 3.0 GENERAL RULES AND REGULATIONS FOR USE OF AGENCY VEHICLES

The Agency's Management Vehicle or Vehicle Allowance policy and employment contracts apply to senior management positions regarding use of Agency



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vehicles. Unless in conflict with the Management Vehicle or Vehicle Allowance policy or employment contracts, provisions of this Driving and Vehicle Policy apply to the senior management positions.

Agency vehicles are provided to eligible employees to enable them to efficiently perform their job functions for the Agency. They are not intended to be fringe benefit items.

- 1) Agency vehicles may not be used for personal business except for incidental use during the course of official business (e.g., stopping for lunch while on business). No one except authorized employees and business guests may be transported in an Agency vehicle unless the authorized employee receives prior -at any time approval of the Department Manager. The transportation of personal property within an Agency vehicle is prohibited at all times, except for incidental items such as a briefcase, ~~gym bag~~ or other property ordinarily used by employees while they are on Agency business. This provision applies to employees on On-Call Duty.
- 2) Smoking and the use of tobacco products is prohibited in all Agency vehicles.
- 3) An employee to whom a vehicle is assigned shall be fully responsible for the general maintenance and proper care of the vehicle, e.g., maintaining proper fluid levels and tire air pressure. The employee shall present the vehicle for repair, service, or adjustment whenever such is needed, and preventative maintenance when due. It is the responsibility of the assigned driver to immediately notify the Fleet and Warehousing Supervisor of any vehicle maintenance needs, damage or safety problems by submitting a completed "Vehicle Condition Checklist" form.
- 4) Employees shall drive vehicles with reasonable prudence to conserve fuel, energy and sustain them at the highest operating efficiency.
- 5) It is the responsibility of the assigned driver to ensure that copies of the Vehicle Registration, proof of Agency insurance coverage, and a Vehicle Accident Report Packet are kept in the vehicle at all times.
- 6) If involved in an accident, even if minor, the employee must immediately report the accident to their supervisor and must also complete a "Driver's Report of Accident" form.
- 7) Employees shall drive in accordance with defensive driving practices.
- 8) Agency vehicles may not be loaned to consultants or contractors.

4.0 AGENCY VEHICLE DRIVER SAFETY RULES

- 1) The use of an Agency vehicle while under the influence of intoxicants or other drugs that could impair driving ability is forbidden and is sufficient cause for discipline, up to



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and including termination of employment. Please refer to the Drug-Free Workplace Policy in Section 5 of the Employee Manual Section for more information.

- 2) No driver shall operate an Agency vehicle when his/her ability to do so safely has been impaired by illness, fatigue, injury, prescription or over-the-counter (OTC) medication.
- 3) All drivers and passengers operating or riding in an Agency vehicle must wear seat belts, even if air bags are available.
- 4) No ~~unauthorized non-Agency~~ personnel are allowed to drive or ride in Agency vehicles, without prior the approval from Department Manager.
- 5) Drivers are responsible for the security of Agency vehicles assigned to them. The vehicle engine must be shut off, ignition keys removed, and vehicle doors locked whenever the vehicle is left unattended, and Agency or personal property removed.
- 6) All State, Federal and local laws must be obeyed, including the use of hands-free technology. Please refer to the Agency’s Wireless Device Policy for further information.
- 7) In the interest of safety, engaging in activities that distract employees while driving on Agency business is prohibited. If an employee must make or answer a cell phone call while driving, he or she should pull over and stop if possible. If an employee must use a phone while driving, he or she should do so with caution and in a manner that does not interfere with safe driving and in compliance with State law (i.e., headsets and hands-free technology).

5.0 AGENCY VEHICLES APPROVED FOR SHORT-TERM OVERNIGHT USE

Overnight or longer-term use of an Agency vehicle by an employee must have prior ~~written~~ approval by a ~~supervisor or Department Manager~~ or General Manager as follows:

- 1) Overnight use (unplanned overtime or emergencies) requires prior ~~written~~ approval of the ~~immediate supervisor or~~ Department Manager.
- 2) Temporary use for more than one day requires prior written approval of the Department Manager.
- 3) Temporary use of more than one week requires prior written approval of the General Manager or his/her designee.

Prior written approval is required, using the “Authorization to Take Home Agency Vehicle” form.



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**6.0 AGENCY VEHICLES APPROVED FOR LONG-TERM OVERNIGHT USE**

Management positions and key Agency positions with extensive field duties ~~are and~~ considered to be on call at all times, and may be assigned vehicles that may be stored at the employee’s residence within the perimeter map as shown in Attachment 1. ~~The Agency may provide its managers and employees with the use of an Agency-owned vehicle and permit the vehicle to be stored at the employee’s residence when it is necessary to conduct Agency business on a regular basis.~~ The basic criteria include:

- ~~1) The e~~Employees must have ~~the~~ proper authority and responsibility level for making emergency decisions and skills to perform necessary tasks. Such positions include but are not limited to superintendents and supervisors of maintenance, operations, fleet, facilities, mechanical and production water systems departments, as well as management.
- ~~4)2) Managers and supervisors defined in section 6.1, having proper authority and responsibility, are authorized to take Agency vehicles home if home residence is within 30 minutes as shown in the perimeter map, Attachment 1.~~
- ~~2)3) Employees designated by their manager or supervisor to be on standby, on call or other emergency response assignment and whose home residence is 30 minutes as shown in the perimeter map as shown in Attachment 1.~~
- ~~3) The employee departs or returns regularly from official trips away from the employee’s headquarters, and the circumstances make it impractical to use other means of transportation.~~
- ~~4) The employee’s residence is reasonably en-route from employee’s headquarters to work site, and the employee normally reports directly to the worksite.~~
- ~~5) The employee uses the vehicle to conduct Agency business on the same day or before normal working hours on the succeeding workday.~~
- ~~6) The employee’s duties require unplanned overtime resulting in no other practical means for the employee to get home.~~
- ~~7) The employee must respond to urgent or emergency calls outside scheduled working hours.~~

Prior written approval is required, using the “Authorization to Take Home Agency Vehicle” form.

**7.0 USE OF PRIVATE VEHICLES FOR AGENCY BUSINESS**

- 1) The use of private vehicles for Agency business will be reimbursed at the rate allowed by the IRS (subject to IRS updates).





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- 2) An employee using a private vehicle on Agency business must maintain legally acceptable automobile insurance with liability coverage indicating the minimum limits required by the State of California.
- 3) The employee’s private vehicle insurance is the primary insurance on the vehicle.
- 4) While operating an Agency vehicle or driving a personal vehicle on Agency business, the driver must possess a valid State of California, Department of Motor Vehicles (DMV) Driver’s License, and must comply with the requirement of the California Vehicle Code and local regulations and ordinances.

8.0 SUSPENSION OF DRIVING PRIVILEGES

In addition to maintaining an acceptable driving record and insurance, any employee may have ~~his or her~~their right to use an Agency vehicle suspended by the General Manager, ~~or the Human Resources/Risk Management Supervisor~~, if the individual:

- 1) Is convicted of a serious driving offense, or a series of lesser offenses related to safety
- 2) Has been involved in an accident involving damage in an Agency vehicle, where the driver has been found to be at fault
- 3) Is judged to have incurred excessive insurance claims
- 4) Has not maintained the vehicle in a suitable manner
- 5) Has breached any of the agreed conditions
- 6) Has lost driving privileges or insurance
- 7) Has failed to complete defensive driving training

In addition, the employee may be subject to discipline.

9.0 TAX TREATMENT ON USE OF AGENCY-OWNED VEHICLES

Governmental agencies are required to withhold taxes on the personal use of government owned vehicles. The Agency includes the personal use taxable value on the employee’s W-2 based on personal use of an Agency provided vehicle. There are three methods for computing tax treatment. A governmental Agency may use the lower of the three methods. The Agency utilizes the Annual Lease Value Plus method and Commuting Valuation method.

- 1) Annual Lease Value Method Plus value of employer provided fuel. Business and personal mileage is monitored. The total annual value x personal use % = reportable income.



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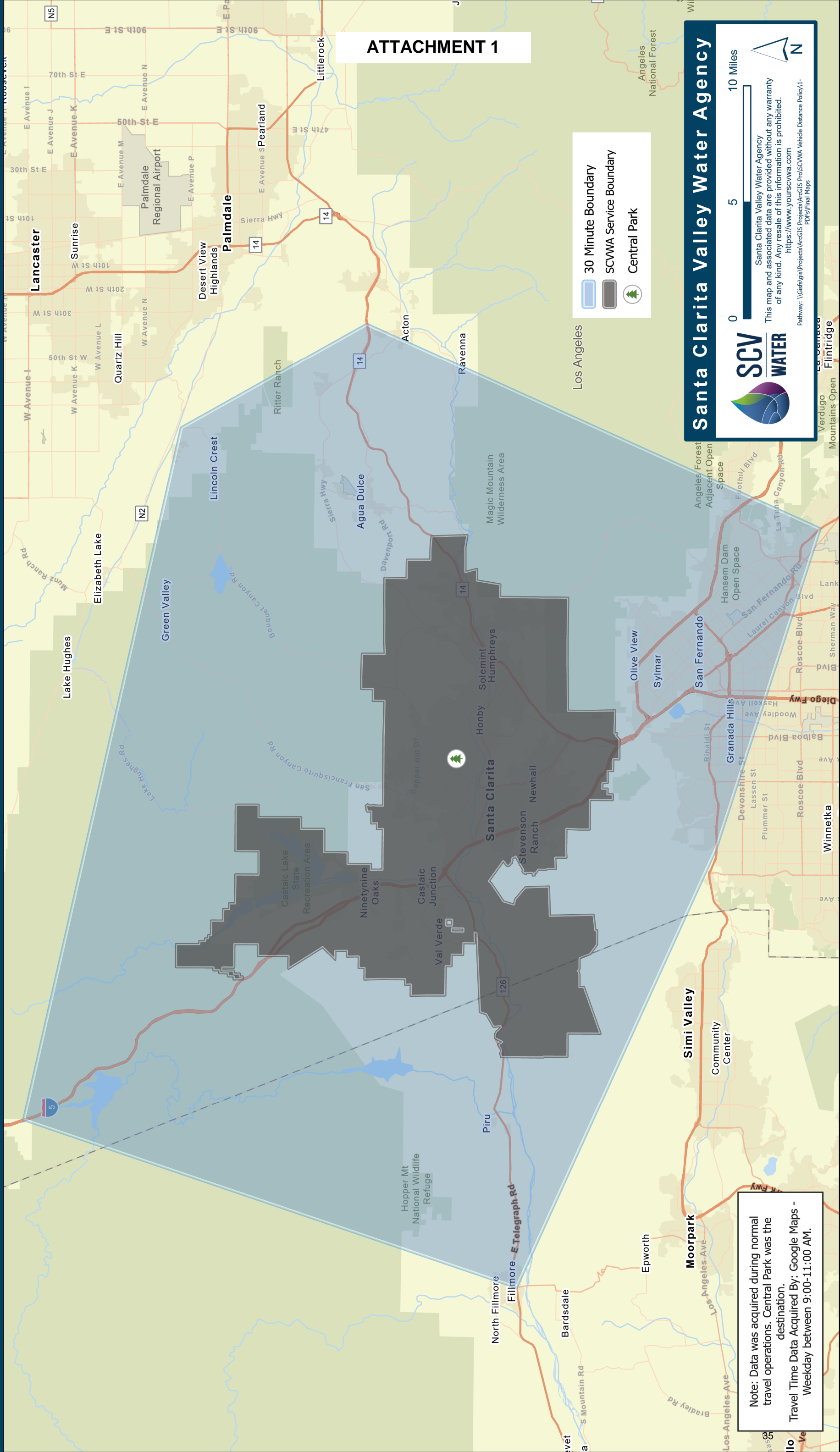
- 2) Cents-per-mile rate, times personal mileage.
- 3) Commuting Valuation method. Vehicles provided/assigned to Agency employees and approved to be stored at home are taxed on the value of each one-way commute of \$1.50, to and from work.

Managers are required by the IRS to use the Annual Lease Value Method due to being considered “Controlled Employees.” A controlled employee is either an elected official and/or executive Level V employee. Based on the 2019 compensation level per U.S. Office of Personnel Management, this annual salary is currently \$156,000. This amount is subject to U.S. Office of Personnel Management updates.

(Originally adopted September 2019; revised December 2023)

DRAFT

# Attachment 1: Perimeter Map



ATTACHMENT 1

30 Minute Boundary

SCVWA Service Boundary

Central Park

**Santa Clarita Valley Water Agency**

0 5 10 Miles

Santa Clarita Valley Water Agency  
This map and associated data are provided without any warranty of any kind. Any resale of this information is prohibited.  
<https://www.yourscvwa.com>  
Pathway: \\GIS\GIS\Projects\ArcGIS Pro\SCVWA Vehicle Distance Policy\1-PDF\Final Maps

Note: Data was acquired during normal travel operations. Central Park was the destination.

Travel Time Data Acquired By: Google Maps - Weekday between 9:00-11:00 AM.

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# Monthly Financial Report

## AUGUST 2023

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# Statement of Revenues and Expenses

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SCV Water  
Statement of Revenues and Expenses  
For the 2nd Period Ending 8.31.23 - Unaudited

	(A)	(B)	(C)	(D)	Current Period			Year-to-Date			(H)		
					Actual	Budget	Variance	Percent	Actual	Budget		Variance	Percent
(1)	\$ 8,927,818	\$ 11,608,989	\$ (2,681,171)	(23%)	(a) Water Sales	\$ 16,392,209	\$ 22,250,562	\$ (5,858,352)	(26%)	(1)			
(2)	25,092	25,180	(88)	(0%)	Water Sales - WWR	50,184	50,361	(177)	(0%)	(2)			
(3)	59,388	40,600	18,788	46%	Water Sales - Recycled	91,465	81,200	10,265	13%	(3)			
(4)	71,280	60,000	11,280	19%	Misc Fees and Charges	144,580	115,000	29,580	26%	(4)			
(5)	\$ 9,083,578	\$ 11,734,769	\$ (2,651,191)	(23%)	<b>Total Operating Revenues</b>	\$ 16,678,438	\$ 22,497,122	\$ (5,818,684)	(26%)	(5)			
					<b>Operating Expenses</b>								
(6)	\$ 169,579	\$ 257,837	\$ (88,258)	(34%)	(b) Management	\$ 347,703	\$ 515,674	\$ (167,971)	(33%)	(6)			
(7)	1,767,432	2,008,948	(241,517)	(12%)	(c) Finance, Admin & IT	3,283,489	4,002,897	(719,408)	(18%)	(7)			
(8)	216,741	255,685	(38,943)	(15%)	(d) Customer Care	350,554	511,369	(160,815)	(31%)	(8)			
(9)	979,533	931,131	48,402	5%	Trans & Distribution	1,642,189	1,859,263	(217,074)	(12%)	(9)			
(10)	899,168	1,796,131	(906,962)	(51%)	(d) Pumping Wells & Storage	1,604,078	3,045,061	(1,440,983)	(47%)	(10)			
(11)	673,353	938,385	(265,032)	(28%)	(e) Water Resources	986,294	1,876,769	(890,475)	(47%)	(11)			
(12)	-	209,068	(209,068)	(100%)	(f) Source of Supply	14,784	418,136	(403,352)	(97%)	(12)			
(13)	857,879	1,202,347	(344,468)	(29%)	(g) Water Quality, Treatment & Maintenance Engineering Services	1,722,108	2,318,444	(596,336)	(26%)	(13)			
(14)	339,813	333,305	6,508	2%		504,783	666,610	(161,827)	(24%)	(14)			
(15)	\$ 5,893,499	\$ 7,932,836	\$ (2,039,338)	(26%)	<b>Total Operating Expenses</b>	\$ 10,455,983	\$ 15,214,223	\$ (4,758,240)	(31%)	(15)			
(16)	\$ 3,190,079	\$ 3,801,932	\$ (611,854)	(16%)	<b>Net Operating Revenues (Expenses)</b>	\$ 6,222,455	\$ 7,282,899	\$ (1,060,444)	(15%)	(16)			
					<b>Non-Operating Revenues and (Expenses)</b>								
(17)	\$ 2,389,753	\$ 1,203,575	\$ 1,186,178	99%	(h) Non-Operating Revenues <sup>1</sup>	\$ 3,017,539	\$ 2,407,149	\$ 610,390	25%	(17)			
(18)	(1,105,942)	(6,362,178)	5,256,237	(83%)	(i) Capital Improvement Projects - Pay Go	(1,566,548)	(12,724,357)	11,157,809	(88%)	(18)			
(19)	-	-	-	0%	Debt Service	(30,768,269)	(30,768,269)	0	0%	(19)			
(20)	(3,064)	(3,333)	269	(8%)	Leases and SBTA Interest Expenses	(8,248)	(6,667)	(1,581)	24%	(20)			
(21)	\$ 1,280,747	\$ (5,161,937)	\$ 6,442,684	(125%)	<b>Net Non-Operating Revenues and (Expenses)</b>	\$ (29,325,526)	\$ (41,092,143)	\$ 11,766,617	(29%)	(21)			
(22)	\$ 4,470,826	\$ (1,360,005)	\$ 5,830,830	(429%)	<b>Increase (Decrease) in Net Position</b>	\$ (23,103,071)	\$ (33,809,244)	\$ 10,706,173	(32%)	(22)			

Monthly Changes of more than 10% and \$20,000

- (a) Overall consumption was lower than anticipated due to weather and conservation. (5.71 inches of rain received in August).
- (b) Outside Services lower than budgeted due to the timing of Perchlorate Litigation and Legal expenses.
- (c) Outside Services are lower than budgeted due to timing of billing services. Utilities under budget due to timing of Edison billing.
- (d) Professional consultant services lower than budgeted. Outside Services are lower than budgeted due to timing of billing services.
- (e) Purchased power under budget due to timing of Edison billing and solar fields operating at 100%. Outside Services are lower than budgeted due to timing of billing services.
- (f) August expenses lower due to timing of the firming and core water expenses.
- (g) Utility expense actuals lower due to the timing of SCE billing invoices. Outside services are under budget due to the timing of the Regulatory Fees.
- (h) Non-Operating Revenues are higher due to higher than budgeted Facility Capacity Fee, Property Taxes and Grants receipts.
- (i) Timing of capital projects vary from month to month.

<sup>1</sup> Non-Operating Revenues include: Grants & Reimbursements, 1% Property Tax, Cell Sites, FCF, Lab Revenues, Interest Income, Annexation Reimb.

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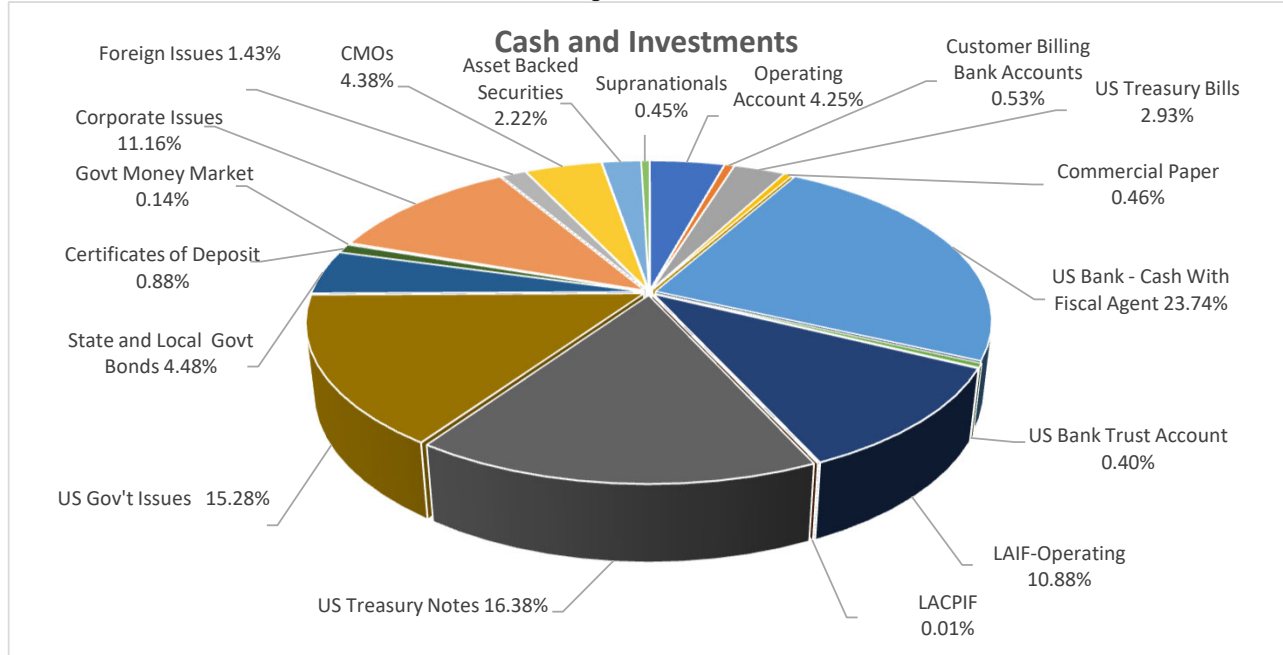
# Investment Report

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**Santa Clarita Valley Water Agency**

**Cash and Investment Summary**

August 31, 2023



Operating Account-Incl FCF's, SWP & CIP	XXX-10101	\$	13,433,647	4.25%
Customer Billing Bank Accounts	101-10105		1,679,672	0.53%
US Treasury Bills (Cash Equivalent)	101-10104		9,264,942	2.93%
Commercial Paper	101-10106		1,444,736	0.46%
US Bank - Cash with Fiscal Agent	101-102XX		75,036,899	23.74%
US Bank Trust Account (1% Prop Tax)	101-10202		1,275,092	0.40%
LAIF - Operating	101-11061		34,396,535	10.88%
LAC Pooled Investment Fund	101-11062		22,030	0.01%
US Treasury Notes	101-11063		51,783,707	16.38%
US Gov't Issues (excl T-Bills & T-Notes)	101-11064		48,287,314	15.28%
State and Local Government Bonds	101-11065		14,149,196	4.48%
Certificates of Deposit	101-11066		2,773,230	0.88%
Government Money Mkt Fund	101-11067		427,105	0.14%
Corporate Issues	101-11068		35,285,740	11.16%
Foreign Issues	101-11069		4,511,205	1.43%
CMOs	101-11070		13,854,753	4.38%
Asset Backed Securities	101-11071		7,007,230	2.22%
Supranationals	101-11072		1,438,891	0.45%
		\$	<b>316,071,926</b>	<b>100.00%</b>

**Estimated Refundable Developer Deposits:**

**\$ 7,322,739** Included in totals

**Portfolio-wide Investments:**

**Weighted Average Yield 4.448%**

Rochelle Patterson, MPA  
Treasurer/Chief Financial & Administrative Officer

Amy Aguer, CPA  
Controller

All investment actions executed since the last report have been made in full compliance with the Investment Policy, and the Agency will meet its expenditure obligations for the next six months as required by Government Code Section 53646(b)(2) and (3), respectively.

**SCV Water**  
**Consolidated Cash & Investment Summary**  
**8/31/2023**

	<u>Note</u>	<u>Acct #</u>	<u>Balance</u>	<u>Total</u>	<u>% of Total</u>
<b><u>AGENCY FUNDS</u></b>					
<b>Cash &amp; Sweep Accounts</b>					
WF Operating Account-Incl FCF's, SWP & CIP		XXX-10101	\$ 13,433,647		
Less: WF Restricted Cash (FCFs, SWP & CIP)	1	2XX-10101	(2,770,939)		
US Treasury Bills - CAM		101-10104	9,264,942		
Customer Billing - Northstar Account		101-10105	269,541		
Commercial Paper		101-10106	1,444,736		
Customer Billing - enQuesta Account		101-10107	1,410,131		
US Bank - Cash with Fiscal Agent		101-102XX	24,536		
US Bank Trust Account (1% Prop Tax)		101/204-10202	1,275,092		
Less: Restricted Cash US Bank Accts -SWP	1	204-10202	-		
<b>Subtotal - Cash &amp; Sweep Accounts Unrestricted</b>				\$ 24,351,686	7.70%
<b>Investments - Unrestricted</b>					
Local Agency Investment Fund		101/202/204-1106	\$ 34,396,535		
LAC Pooled Investment Fund		101-11062	22,030		
US Treasury Notes - US Bank		101-11063	51,783,707		
US Govt Issues (excl T-Notes & T-Bills)		101/204-11064	48,287,314		
Taxable Municipal Issues (State & Local)		101-11065	14,149,196		
Certificates of Deposit		101-11066	2,773,230		
Government Money Mkt Fund		101/204-11067	427,105		
Corporate Issues		101-11068	35,285,740		
Foreign Issues		101-11069	4,511,205		
CMOs-Collateralized Mortgage Obligations		101-11070	13,854,753		
Asset Backed Securities		101-11071	7,007,230		
Supranationals		101-11072	1,438,891		
Less: Restricted Investments - FCF	2	202-11061	(9,479,196)		
Less: Restricted Investments - SWP	3	204-11061-11067	(88,074,656)		
<b>Subtotal - Investments Unrestricted</b>				\$ 116,383,086	36.82%
<b>Cash and Investments - Restricted</b>					
Facility Capacity Fee Fund - Cash	4	202-10101	\$ -		
Facility Capacity Fee Fund - Investments	5	202-11061	9,479,196		
State Water Project - Cash (WF & US Bank)	6	204-10XXX	3,067,262		
State Water Project - Investments	7	204-11061/11063/	88,074,656		
<b>Subtotal - Investments Restricted</b>				100,621,113	31.83%
<b>TOTAL AGENCY CASH &amp; INVESTMENTS</b>				<b>\$ 241,355,885</b>	
<b><u>CAPITAL IMPROVEMENT PROJECT FUNDS</u></b>					
Cash & Sweep Accounts (WF & US Bank)	8	220/223-10101	\$ (296,322)		
US Bank - Cash with Fiscal Agent		223-102XX	75,012,363		
Local Agency Investment Fund - Restricted		220-11061	-		
<b>TOTAL CAPITAL IMPROVEMENT PROJECT FUNDS</b>				<b>\$ 74,716,041</b>	23.64%
<b>TOTAL CASH AND INVESTMENTS</b>				<b>\$ 316,071,926</b>	100.00%

**Notes**

- 1 Less: Restricted Cash - FCF's, SWP & CIP
- 2 Less: Restricted Investments - FCF's Legacy SCWD
- 3 Less: Restricted Investments - State Water Project
- 4 Restricted Cash - FCF's (Txfr'd to cover Debt Svc)
- 5 Restricted Investments - FCF's (SCWD Legacy)
- 6 Restricted Cash - SWP (State Water Project)
- 7 Restricted Investments - SWP (State Water Project)
- 8 Restricted Cash - CIP 2020A Bond Proceeds

**Agency-wide General Funds Invested:**

<b><u>Cash &amp; Cash-Equivalents</u></b>	<b><u>Cost</u></b>	<b><u>Yield</u></b>	<b><u>Purchase Date</u></b>	<b><u>Maturity Date</u></b>	<b><u>Est'd Yield</u></b>
Wells Fargo Pooled Operating Cash	\$ 13,433,647	5.202%	Various	Liquid	\$ 698,825
Less: CIP 2020A/2023A Pooled Cash	296,322	5.202%	Various	Liquid	15,415
Wells Fargo Customer Care Accounts	1,679,672	5.202%	Various	Liquid	87,377
US Bank DS Accounts	75,036,899	4.815%	Various	Liquid	3,613,027
US Bank 1% Property Tax Trust Account	1,275,092	3.900%	Various	08/15/23	49,729
US T-Bills (Cash Equiv) - CAM	9,264,942	5.079%	Various	Liquid	470,552
Commercial Paper (Cash Equiv) - CAM	1,444,736	5.158%	Various	Various	74,512
First American Gov't MM (Cash Equiv) -CAM	427,105	4.940%	Various	Liquid	21,099
<b>Total Cash &amp; Cash-Equivalents</b>	<b>\$ 102,858,416</b>	<b>4.891%</b>	<b>Weighted Avg Yield</b>		<b>\$ 5,030,536</b>

**Investments External to US Bank / Chandler Asset Management**

Local Agency Investment Fund (LAIF)	\$ 34,396,535	3.434%	Various	Liquid	1,181,177
LA County Pooled Investment Fund	22,030	3.780%	Various	Liquid	833

**Investments per US Bank / Chandler Asset Management Statements (excluding Cash Equivalents)**

Asset-Backed Securities - CAM	7,007,230	5.545%	Various	Various	\$ 388,523
Federal Agencies - CAM	48,287,316	5.239%	Various	Various	2,529,677
CMO's - Collateralized Mortgages - CAM	13,854,753	4.833%	Various	Various	669,538
Corporate Issues	35,285,740	5.230%	Various	Various	1,845,438
Municipal Bonds (State/Local Gov'ts) CAM	14,149,196	5.312%	Various	Various	751,625
Negotiable Certificates of Deposit - CAM	2,773,230	5.504%	Various	Various	152,640
US Treasury Notes - US Bank	51,783,707	4.615%	Various	Various	2,389,970
Foreign Issues & SupraNationals	5,950,096	5.269%	Various	Various	313,519
<b>Total Investments</b>	<b>\$ 213,509,835</b>	<b>4.234%</b>	<b>Weighted Avg Yield</b>		<b>\$ 9,040,930</b>

<b>Cash &amp; Investments Non-CIP</b>	<b>\$ 316,368,250</b>	<b>4.448%</b>	<b>Portfolio Weighted Avg Yield</b>		<b>\$ 14,071,465</b>
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**Reconciliation with Portfolio-wide Summary**

CIP 2020A Cash	\$ (296,322)
CIP 2020A LAIF	0
CIP Cash & Investments	<u>(296,322)</u>
Portfolio Wide Total Cash & Investments	<u>\$ 316,071,928</u>
See Note 1 On Consolidated TB	2

**CAM Managed Assets / Held at US Bank in Trust**

US T-Bills (Cash Equiv)	\$ 9,264,942
Commercial Paper	1,444,736
First American Gov't MM	427,105
Asset-Backed Securities	7,007,230
Federal Agencies	48,287,316
CMO's - Collateralized Mtgs	13,854,753
Corporate Issues (excluding Foreign Issues)	35,285,740
Municipal Bonds (State/Local)	14,149,196
Negotiable CDs	2,773,230
US Treasury Notes	51,783,707
Foreign Notes	<u>5,950,096</u>
CAM Assets Managed	<u>\$ 190,228,053</u>
	60%

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# 3-Month Cashflow

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**SANTA CLARITA VALLEY WATER AGENCY**  
**3 - Month Cash Flow Projection**

**Cash Flow for August FY24 to October FY24**

DESCRIPTION	UNRESTRICTED		RESTRICTED		
	Checking	Investments	CIP Fund	SWC	Capacity Fees
<b>Beginning Balance (estimated):</b>	\$ 57,865,864	\$ 110,476,321	\$ -	\$ 95,195,220	\$ 10,415,572
<b>August</b>					
Cash Provided from:					
Water Sales	11,634,169	-	-	-	-
Water Sales Misc <sup>1</sup>	60,000	-	-	-	-
Recycled Water Sales	40,600	-	-	-	-
Non Operating Income:					
Property Taxes	1,141,000	-	-	1,145,885	-
Capacity Fees	-	-	-	-	131,483
Interest Earned	491,166	-	142,188	327,708	-
Communication/Rental	44,189	-	-	-	-
Grants	-	-	-	-	-
Reimbursements <sup>2</sup>	392,612	-	-	-	-
Bond/Loan Proceeds	-	-	74,865,094	-	-
Other <sup>3</sup>	1,936	-	-	-	-
Cash Used/Added to/for:					
Monthly Expenses	(7,860,911)	-	-	(12,212)	-
DWR Payments	-	-	-	(693,000)	-
Misc. Water Purchases	(11,667)	-	-	(1,713,904)	-
Debt Service	(30,771,602)	-	-	-	-
CIP	(6,362,178)	-	(3,893,500)	-	-
CalPERS UAL	-	-	-	-	-
Txfr to/from	-	-	-	-	-
<b>Projected Ending Balance Aug</b>	\$ 26,665,178	\$ 110,476,321	\$ 71,113,782	\$ 94,249,696	\$ 10,547,055
<b>September</b>					
Cash Provided from:					
Water Sales	11,634,169	-	-	-	-
Water Sales Misc <sup>1</sup>	60,000	-	-	-	-
Recycled Water Sales	40,600	-	-	-	-
Non Operating Income:					
Property Taxes	-	-	-	-	-
Capacity Fees	-	-	-	-	131,483
Interest Earned	491,166	-	142,188	327,708	-
Communication/Rental	44,189	-	-	-	-
Grants	-	-	-	-	-
Reimbursements <sup>2</sup>	392,612	-	-	-	-
Bond/Loan Proceeds	-	-	-	-	-
Other <sup>3</sup>	1,936	-	-	-	-
Cash Used/Added to/for:					
Monthly Expenses	(7,860,911)	-	-	(12,212)	-
DWR Payments	-	-	-	(1,039,500)	-
Misc. Water Purchases	(11,667)	-	-	(1,496,904)	-
Debt Service	(3,333)	-	-	-	-
CIP	(6,362,178)	-	(3,893,500)	-	-
Txfr to/from	-	-	-	-	-
<b>Projected Ending Balance. Sep</b>	\$ 25,091,761	\$ 110,476,321	\$ 67,362,469	\$ 92,028,788	\$ 10,678,539

**SANTA CLARITA VALLEY WATER AGENCY**  
**3 - Month Cash Flow Projection**

**Cash Flow for August FY24 to October FY24**

DESCRIPTION	UNRESTRICTED		RESTRICTED		
	Checking	Investments	CIP Fund	SWC	Capacity Fees
<b>Beginning Balance (estimated):</b>	\$ 57,865,864	\$ 110,476,321	\$ -	\$ 95,195,220	\$ 10,415,572
<b>October</b>					
Cash Provided from:					
Water Sales	9,699,338	-	-	-	-
Water Sales Misc <sup>1</sup>	50,000	-	-	-	-
Recycled Water Sales	40,600	-	-	-	-
Non Operating Income:					
Property Taxes	-	-	-	-	-
Capacity Fees	-	-	-	-	131,483
Interest Earned	491,166	-	142,188	327,708	-
Communication/Rental	44,189	-	-	-	-
Grants	647,743	-	-	-	-
Reimbursements <sup>2</sup>	249,574	-	-	-	-
Bond/Loan Proceeds	-	-	-	-	-
Other <sup>3</sup>	1,936	-	-	-	-
Cash Used/Added to/for:					
Monthly Expenses	(7,652,511)	-	-	(12,212)	-
DWR Payments	-	-	-	(808,500)	-
Misc. Water Purchases	(11,667)	-	-	(1,486,703)	-
Debt Service	(3,333)	-	-	-	-
CIP	(6,362,178)	-	(3,893,500)	-	-
Txfr to/from	-	-	-	-	-
<b>Projected Ending Balance Oct</b>	<b>\$ 22,286,617</b>	<b>\$ 110,476,321</b>	<b>\$ 63,611,157</b>	<b>\$ 90,049,081</b>	<b>\$ 10,810,022</b>

**Notes:**

<sup>1</sup> Water Sales Misc. includes Late Charges, Misc. Retail Charges, Rebates, and Water Sales-One time

<sup>2</sup> Reimbursements include Annexation and PERCH Reimbursements - O&M & CIP

<sup>3</sup> Other includes Laboratory Revenues and Other Non-Operating Revenue

# Ten Largest Disbursements Check Register

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**SCV Water**  
 Ten Largest Disbursements  
 August 1, 2023 to August 31, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Amount
	08-30-2023	Department of Water Resources	Monthly Variable - Jul 2023 Contract 160213	CHECK	1,845,354.00
<b>1</b>		<b>Department of Water Resources</b>			<b>1,845,354.00</b>
	08-02-2023	Department of Water Resources	Monthly Variable - Jun 2023	CHECK	652,507.00
<b>2</b>		<b>Department of Water Resources</b>			<b>652,507.00</b>
	08-02-2023	American Business Bank	Retention for Progress Pays 2-12 for ESFP Washwater Return and Sludge Collection Project	CHECK	575,100.10
<b>3</b>		<b>American Business Bank</b>			<b>575,100.10</b>
	08-23-2023	So. California Edison Co.	LK Hughes E/S Dam 6/27/23-7/27/23	AUTO_DEBIT	1,237.66
			25849 1/2 Railroad Ave 6/27/23-7/27/23		11,863.51
			27234 Bouquet Canyon Rd SB 6/27/23- 7/27/23		117.68
			25401 Bouquet Canyon 6/26/23-7/26/23		243,278.97
			23308 Magic Mountain 6/8/23-7/10/23		12,202.93
			23498 Newhall Ranch Rd 6/27/23-7/27/23		18.74
			28185 The Old Rd 6/27/23-7/27/23		9,024.68
			26503 McBean Pkwy 6/27/23-7/27/23		17.51
			32700 Lake Hughes Rd W 6/27/23-7/27/23		26,027.66
			27930 1/2 Lost Canyon Rd 6/27/23- 7/27/23		171.97
			27171 1/2 Camp Plenty 6/27/23-7/27/23		38.44
			20545 Santa Clara St 6/27/23-7/27/23		267,384.98
			27295 Rolling Hills Ave 6/27/23-7/27/23		337.19
			17213 Medley Ridge Dr 6/27/23-7/27/23		41.23
			27434 1/2 Bouquet Canyon Rd 6/27/23- 7/27/23		144.75
			27475 1/2 Bouquet Canyon Rd 6/27/23- 7/27/23		87.76
			26501 Summit Cir 6/21/23-7/23/23		901.37
			26505 Summit Cir 6/21/23-7/23/23		396.60
			26979 Westridge 6/27/23-7/27/23		34.06
			27139 Honby Ave PED 6/20/23-7/20/23		27.25
<b>4</b>		<b>So. California Edison Co.</b>			<b>573,354.94</b>
	08-23-2023	So. California Edison Co.	27101 Ridge Road 160 6/21/23-7/23/23	AUTO_DEBIT	6,162.88
			26629 Bouquet Canyon Rd 6/16/23- 7/18/23		5,394.28
			22555 Brightwood Pl 6/16/23-7/18/23		119.28
			27949 Hancock Pkwy U 6/12/23-7/12/23		4,536.08
			23600 Decoro Drive 6/21/23-7/23/23		13,470.36
			24050 Valencia Blvd 6/21/23-7/23/23		194.11
			26477 Bouquet Canyon Rd 6/21/23- 7/23/23		3,290.49

**SCV Water**  
 Ten Largest Disbursements  
 August 1, 2023 to August 31, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Amount
			25112 Rye Canyon Loop 6/21/23-7/23/23		260.92
			25234 Valencia 6/21/23-7/23/23		18,832.11
			25841 Tournament Rd 6/21/23-7/23/23		24.84
			27700 Golden St 6/21/23-7/23/23		254.50
			28400 Copper Hill Dr PED 6/21/23-7/23/23		615.00
			25197 Aurora Dr 6/21/23-7/23/23		9,520.16
			28531 Farrier Dr PED 6/21/23-7/23/23		19.67
			23816 Auto Center N7 6/21/23-7/23/23		23,956.51
			23817 Auto Center N8 6/21/23-7/23/23		24,727.81
			27508 Newhall Ranch Rd 6/21/23-7/23/23		3,374.79
			24439 Valencia 6/21/23-7/23/23		310.55
			29238 Black Pine Way U 6/21/23-7/23/23		23.89
			24341 Valencia Blvd 6/21/23-7/23/23		12,954.20
			28820 Bellows Ct U 6/21/23-7/23/23		1,978.97
			23900 Bridgeport S6 6/21/23-7/23/23		3,339.78
			25600 Hwy 99/159EMG PMP 6/21/23-7/23/23		2,647.84
			26629 Bouquet Canyon Rd 7/19/23-8/16/23		4,977.65
			22555 Brightwood Pl 7/19/23-8/16/23		118.00
			23416 Magic Mountain Pkwy V5 7/11/23-8/8/23		9,191.58
			Avenida Velarte V6 7/11/23-8/8/23		344.58
			23503 Valencia Blvd N68 7/14/23-8/13/23		17,691.12
			24526 Sagecrest Cir LAR 7/12/23-8/9/23		10,864.34
			27011 Ridge Road 160 5/22/23-6/20/23		4,606.33
			27101 Ridge Road 160 4/21/23-5/21/23		4,959.26
			25901 Tournament Rd 7/12/23-8/9/23		8,029.80
			Firebrand 6/13/23-7/13/23		2,098.31
			28424 Tamarack Ln 6/15/23-7/17/23		5,852.85
			26975 Westridge Pkwy 6/13/23-7/13/23		12,959.71
			28139 Blacksmith Dr 6/15/23-7/17/23		20.87
			23790 Bridgeport S8 6/15/23-7/17/23		2,233.22
			23850 Bridgeport S7 6/15/23-7/17/23		125.20
			25001 Decoro Pump 6/15/23-7/17/23		4,793.32
			Firebrand 7/14/23-8/13/23		2,440.41
			28424 Tamarack Ln 7/18/23-8/15/23		4,701.84
			27949 Hancock Pkwy U 7/13/23-8/10/23		2,431.64
			26975 Westridge Pkwy 7/14/23-8/13/23		10,473.42
			28139 Blacksmith Dr 7/18/23-8/15/23		17.55
			23790 Bridgeport S8 7/18/23-8/15/23		822.33



**SCV Water**  
 Ten Largest Disbursements  
 August 1, 2023 to August 31, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Amount
			23850 Bridgeport S7 7/18/23-8/15/23		122.41
			25001 Decoro Pump 7/18/23-8/15/23		2,097.43
			27118 Vista Delgado Dr B 7/17/23-8/14/23		10,215.58
			26024 Kavenagh Ln 7/13/23-8/10/23		8,571.30
			27502 Hasley Canyon Rd D 6/16/23-7/18/23		1,230.38
			28053 Carnegie Ave CAR 6/20/23-7/20/23		3,464.06
			28432 Livingston Ave 6/16/23-7/18/23		3,184.44
			26280 1/2 Galdding 6/20/23-7/20/23		118.70
			28201 1/2 River Trail Ln Well 7/3/23-8/2/23		3,799.91
			28410 Hillcrest Pkwy 6/26/23-7/26/23		2,416.90
			28410 Hillcrest Pkwy 6/26/23-7/26/23		2,583.33
			30400 Vineyard Ln PED 6/26/23-7/26/23		389.32
			26908 Feedmill Rd U 6/21/23-7/23/23		38,093.85
			25101 Sagecrest Cir 6/21/23-7/23/23		270.66
			25550 Hemingway Ave 6/21/23-7/23/23		16,823.00
			26290 Shakespeare Ln 6/21/23-7/23/23		18.35
			26748 Sandburn Pl PED 6/21/23-7/23/23		31.91
			28202 Cascade Rd PED 6/21/23-7/23/23		46.47
			28318 Witherspoon Pkwy PED 6/21/23-7/23/23		18.53
			29646 The Old Rd U 6/21/23-7/23/23		27.18
			30016 Hamlet Way TPP 6/21/23-7/23/23		22.77
			25774 Oak Meadow Dr 6/21/23-7/23/23		29.61
			26608 Feedmill Rd U 6/21/23-7/23/23		21,318.64
			25507 Oak Meadow 6/21/23-7/23/23		18.10
			26994 Willowbrook Ln U 6/21/23-7/23/23		18.93
			23100 Lowridge Pl U 6/21/23-7/23/23		18.69
			30149 Galbreth Ct 6/21/23-7/23/23		16.13
			29909 Bancroft Pl 6/21/23-7/23/23		18.54
			26797 Westridge 6/21/23-7/23/23		17.32
			28636 Livingston Ave 6/21/23-7/23/23		433.34
			26353 McBean Pkwy 7/13/23-8/10/23		2,921.46
			28830 Hancock Pkwy U 6/29/23-7/31/23		5,469.18
08-23-2023			25100 Karie Ln 6/7/23-7/9/23	AUTO_DEBIT	2,210.09
			18621 Cedar Valley Way 6/6/23-7/7/23		638.28
			20081 1/2 Avenue of the Oaks 6/6/23-7/7/23		16.46
			16400 Placerita Canyon Rd 6/26/23-7/26/23		58.66
			25529 1/2 Mountain Pass Rd Pump 6/6/23-7/7/23		400.47

**SCV Water**  
 Ten Largest Disbursements  
 August 1, 2023 to August 31, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Amount
			28635 1/4 Winterdale Dr 6/23/23-7/25/23		513.82
			16742 1/2 Placerita Canyon Rd 6/26/23-7/26/23		229.04
			28340 Via Joyce Dr 6/21/23-7/23/23		41.71
			28301 Whites Canyon 6/21/23-7/23/23		631.64
			26532 Heron Ln 6/28/23-7/30/23		1,511.50
			22102 1/2 Garnet Canyon PED 6/1/23-6/29/23		13.57
			20095 Avenue of the Oaks 6/7/23-7/9/23		4,120.23
			21002 W Ranch View U 6/19/23-7/19/23		454.49
			25205 Via Princessa 6/26/23-7/26/23		3,351.29
			27100 Furnivall Ave 6/20/23-7/20/23		121.05
			23307 Magic Mountain Pkwy 6/15/23-7/17/23		7,406.59
			18090 Lost Canyon Rd 6/28/23-7/30/23		1,656.21
			27230 1/2 Bouquet Canyon Rd 6/19/23-7/19/23		56.54
			18501 1/2 Olympian Ct 6/27/23-7/27/23		53.43
			27234 Bouquet Canyon Rd 1 6/19/23-7/19/23		77.00
			26945 Cherry Willow Dr Pump 6/28/23-7/30/23		662.18
			27238 Bouquet Canyon Rd 6/12/23-7/12/23		531.55
			27501 Sierra Hwy 6/12/23-7/12/23		163.44
			27245 Luther Dr 6/12/23-7/12/23		1,986.45
			27115 Golden Valley Rd 6/12/23-7/12/23		21,956.13
			21768 Centurion Way Pump 6/16/23-7/18/23		11,965.46
			26640 1/2 Bouquet Canyon Rd 6/16/23-7/18/23		8,507.32
			26930 Ruether Ave 6/12/23-7/12/23		108.54
			45s416 Linda Vista Rd Pump 6/2/23-7/2/23		12,427.29
			21900 Centurion Way Pump 6/12/23-7/12/23		171.24
			18870 Skyline Ranch Rd 6/12/23-7/12/23		2,865.47
			28530 La Madrid Dr U 6/19/23-7/19/23		6,685.40
<b>5</b>		<b>So. California Edison Co.</b>			<b>461,181.31</b>
	08-02-2023	Association Of California Water Agencies Joint Power Insurance Authority	ACWA JPIA, Upper Santa Clara Valley Property Program Renewal - July 1, 2023 - June 30, 2024	SCV_ACH	500.00
			ACWA JPIA Property Program Renewal - July 1, 2023 - June 30, 2024		437,603.29
<b>6</b>		<b>Association Of California Water Agencies Joint Power Insurance Authority</b>			<b>438,103.29</b>

**SCV Water**  
 Ten Largest Disbursements  
 August 1, 2023 to August 31, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Amount
	08-16-2023	X-Act Technology Solutions, Inc.	Agreement Managed Security Services - Nov 2022	SCV_ACH	11,200.00
			Agreement Managed IT Support Services - Nov 2022		16,434.00
			Agreement Managed Security Services - Oct 2022		11,200.00
			Agreement Managed IT Support Services - Oct 2022		16,434.00
			Labor - Hourly Cable Techs Performed to Install Fiber Electronics Box (1/16/23:56.5 hrs) - Rio		16,950.00
			Agreement Azure Usage - Nov 2022		19,701.88
			Agreement Cloud Backup - Nov 2022		4,075.00
			Agreement Office 365 - Nov 2022		13,914.15
			Agreement Azure Usage - Aug 2023		21,536.17
			Agreement Office 365 - Aug 2023		14,724.46
			Agreement Cloud Backup - Aug 2023		4,075.00
			Agreement Managed Security Services - Aug 2023		14,200.00
			Agreement Managed IT Support Services - Aug 2023		16,434.00
			Agreement Office 365 - Oct 2022		13,911.40
			Agreement Cloud Backup - Oct 2022		4,075.00
			Agreement Azure Usage - Oct 2022		18,680.16
			<b>7</b>		
	08-23-2023	So. California Edison Co.	16747 1/2 Soledad Canyon Rd Pump 6/14/23-7/16/23	AUTO_DEBIT	4,277.10
			27200 Sand Canyon Rd 6/28/23-7/30/23		13,912.06
			23200 Avenida Velarte 6/8/23-7/10/23		7,223.53
			28244 1/2 Alaminos Dr Pump 6/19/23-7/19/23		4,046.88
			20251 Keaton St Pump 6/22/23-7/24/23		24,727.21
			End Luther Dr/Wash 6/19/23-7/19/23		129.94
			27245 Luther Dr 6/19/23-7/19/23		157.22
			19000 Whites Canyon Road 6/23/23-7/25/23		5,128.81
			26700 Sierra Estates Drive 6/6/23-7/7/23		6,317.44
			17390 Lost Canyon Rd 6/14/23-7/16/23		1,076.99
			16003 1/2 Lost Canyon 6/26/23-7/26/23		7,363.15
			17247 Sierra Hwy 6/13/23-7/13/23		133.93
			26820 Gregory Well 6/20/23-7/20/23		6,274.01
			26805 Rainbow Glen 6/20/23-7/20/23		13,578.80
			19090 Via Princessa 6/23/23-7/25/23		46,093.82
			28726 Haskell Canyon Rd 6/19/23-7/19/23		4,584.63

**SCV Water**  
 Ten Largest Disbursements  
 August 1, 2023 to August 31, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Amount
			15590 Appaloosa 6/14/23-7/16/23		6,722.14
			27320 Bouquet Canyon Rd 6/19/23-7/19/23		15,170.18
			21885 Deena Pl 6/26/23-7/26/23		7,861.54
			26715 Valley Center Dr 6/5/23-7/6/23		15,192.06
			15305 Live Oak Springs Canyon Rd 6/14/23-7/16/23		3,996.86
<b>8</b>		<b>So. California Edison Co.</b>			<b>212,986.60</b>
	08-02-2023	American Business Bank	Retention for Progress Pays 3-10 for Santa Clara and Honby PFAs Project	CHECK	210,515.92
<b>9</b>		<b>American Business Bank</b>			<b>210,515.92</b>
	08-09-2023	Hazen and Sawyer, D.P.C.	Services through 6/30/23 Construction for the Santa Clara and Honby Wells PFAS Groundwater Treatment Improvements	SCV_ACH	26,890.00
			Services through 6/30/23 Tesoro Highlands Tract 51644-19A - T&U Wells PFAS Treatment, Saugus 1 and 2 VOC Treatment, and Chemical Building		41,095.50
			Services through 6/30/23 Water Master Plan		92,453.75
			Services through 6/30/23 Planning study for PFAS, Perchlorate, and Softening Treatment for Saugus Wells (N11, N12, N13) Groundwater Treatment Improvements		43,119.50
<b>10</b>		<b>Hazen and Sawyer, D.P.C.</b>			<b>203,558.75</b>

**Total** **5,390,207.13**

**Total-All Disbursements Issued During August 2023** **10,256,772.07**

**Largest Ten Vendor Payments as Compared to Total** **53%**

# Director Stipends

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**DIRECTORS STIPENDS PAID IN SEPTEMBER 2023**  
For the Month of August 2023

**Director Kathye Armitage**

<b>Date</b>	<b>Meeting</b>	<b>Amount</b>
08/01/23	Regular Board Meeting	\$239.00
08/09/23	Executive Committee Meeting of the Special Districts of North LA County	\$239.00
08/14/23	Ad Hoc Committee Meeting - Facility Name Change	\$239.00
08/15/23	Regular Board Meeting	\$239.00
08/17/23	Public Outreach and Legislation Committee Meeting	\$239.00
08/21/23	Rescheduled Finance and Administration Committee Meeting	\$239.00
	<b>Stipend Total</b>	<b>\$1,434.00</b>
	<b>Total Paid Days</b>	<b>6</b>
	<b>Total Meetings</b>	<b>6</b>

**Director Beth Braunstein**

<b>Date</b>	<b>Meeting</b>	<b>Amount</b>
08/15/23	Regular Board Meeting	\$239.00
08/17/23	Public Outreach and Legislation Committee Meeting	\$239.00
	<b>Stipend Total</b>	<b>\$478.00</b>
	<b>Total Paid Days</b>	<b>2</b>
	<b>Total Meetings</b>	<b>2</b>

**Director Ed Colley**

<b>Date</b>	<b>Meeting</b>	<b>Amount</b>
08/14/23	Ad Hoc Committee Meeting - Facility Name Change	\$239.00
08/15/23	Regular Board Meeting	\$239.00
08/17/23	Public Outreach and Legislation Committee Meeting	\$239.00
08/21/23	Rescheduled Finance and Administration Committee Meeting	\$239.00
	<b>Stipend Total</b>	<b>\$956.00</b>
	<b>Total Paid Days</b>	<b>4</b>
	<b>Total Meetings</b>	<b>4</b>

**Director William Cooper**

<b>Date</b>	<b>Meeting</b>	<b>Amount</b>
08/01/23	Regular Board Meeting	\$239.00
08/03/23	Engineering and Operations Committee Meeting	\$239.00
08/14/23	Ad Hoc Committee Meeting - Facility Name Change	\$239.00
08/15/23	Regular Board Meeting	\$239.00
08/25/23	ACWA Code of Conduct Committee Meeting	\$239.00
08/28/23	Agenda Planning Meeting	\$239.00
08/29/23	ACWA Finance Committee Meeting	\$239.00
08/30/23	ACWA Water Quality Committee Meeting	\$239.00
	<b>Stipend Total</b>	<b>\$1,912.00</b>
	<b>Total Paid Days</b>	<b>8</b>
	<b>Total Meetings</b>	<b>8</b>





Director Ken Petersen

<b>Date</b>	<b>Meeting</b>	<b>Amount</b>
08/01/23	Regular Board Meeting	\$239.00
08/11/23	Meeting w/ Ed Means re: Strategic Planning	\$239.00
08/15/23	Regular Board Meeting	\$239.00
08/21/23	Rescheduled Finance and Administration Committee Meeting	\$239.00
	<b>Stipend Total</b>	<b>\$956.00</b>
	<b>Total Paid Days</b>	<b>4</b>
	<b>Total Meetings</b>	<b>4</b>

<b>TOTAL PAID DAYS</b>	<b>51</b>
<b>TOTAL MEETINGS</b>	<b>52</b>
<b>TOTAL STIPENDS</b>	<b>\$12,189.00</b>

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# Director Reimbursements

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**CA Govt. Code Section 53065.5**

**List of Reimbursement for "Individual Charges" = \$100 or more**

**Annual Disclosure for Fiscal Year 23/24** [AP Transactions Updated as of: 9/30/2023](#)

**DIRECTORS**

[P-Card \(VISA\) Transactions Updated as of: 9/30/23](#) \*September PCard transactions affect October cash.

<b>Date</b>	<b>Recipient of Reimbursement</b>	<b>Reason for Reimbursement</b>	<b>Amount</b>
08/01/23	Braunstein, Beth	<b>P-CARD (VISA)</b> - 2023 ACWA Spring Conference 5/9/23-5/11/23 Expense (Lodging)	574.50
08/01/23	Martin, Gary	<b>P-CARD (VISA)</b> - 2023 ACWA Spring Conference 5/9/23-5/11/23 Expense (Lodging)	303.62
08/01/23	Orzechowski, Piotr	<b>P-CARD (VISA)</b> - 2023 ACWA Spring Conference 5/9/23-5/11/23 Expense (Lodging)	420.39
08/01/23	Martin, Gary	<b>P-CARD (VISA)</b> - DCA Meeting 6/15/23 Travel Expense (Airfare)	492.96
08/01/23	Cooper, William	2023 ACWA Workshop & Board Meeting Travel Expense (Airfare, Parking, Ground Transportation- Uber, Mileage)	566.77
08/01/23	Cooper, William	2023 ACWA Workshop & Board Meeting Expense (Lodging)	234.94
08/01/23	Martin, Gary	<b>P-CARD (VISA)</b> - Urban Water Institute Water Conference - 08/23-08/25/23 - Registration	695.00
08/01/23	Martin, Gary	<b>P-CARD (VISA)</b> - VIA Bash Fire & Ice Ball 11/03/23 - Registration	150.00
08/01/23	Cooper, William	<b>P-CARD (VISA)</b> - 2023 Economic Outlook Forecast 09/15/23 - Registration	125.00
			<b>3,563.18</b>

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Minutes of the Regular Meeting of the Board of Directors of the Santa Clarita Valley Water Agency – November 21, 2023

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A regular meeting of the Board of Directors of the Santa Clarita Valley Water Agency was held at Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350 at 6:00 PM on Tuesday, November 21, 2023. A copy of the Agenda is inserted in the Minute Book of the Agency preceding these minutes. The meeting recording can be accessed by clicking on the following link: [Board Meeting Recording](#).

DIRECTORS PRESENT: Kathye Armitage, Beth Braunstein, Ed Colley, William Cooper, Dirk Marks, Gary Martin and Ken Petersen.

DIRECTORS ABSENT: Maria Gutzeit and Piotr Orzechowski.

Also present: Assistant General Manager Steve Cole, Board Secretary April Jacobs, Chief Engineer Courtney Mael, Chief Financial and Administrative Officer Rochelle Patterson, Chief Operating Officer Keith Abercrombie, Communications Manager Kevin Strauss, Director of Water Resources Ali Elhassan, General Counsel Joe Byrne, General Manager Matthew Stone, Information Technology Technician II Jonathan Thomas, as well as additional SCV Water Agency staff (Virtually), and members of the public (In Person and Virtually).

President Martin called the meeting to order at 6:01 PM. A quorum was present.

There were no changes to the November 21, 2023 Board Agenda and it was accepted as shown (Item 4).

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Upon motion of Director Marks, seconded by Director Braunstein and carried, the Board pulled Item 5.3 for further discussion and approved the remaining items on the Consent Calendar including Resolution No. SCV-393 by the following roll call votes (Item 5):

Director Armitage	Yes	Director Braunstein	Yes
Director Colley	Yes	Director Cooper	Yes
Vice President Gutzeit	Absent	Director Marks	Yes
President Martin	Yes	Vice President Orzechowski	Absent
Director Petersen	Yes		

**RESOLUTION NO. SCV-393**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY  
AUTHORIZING THE GRANT APPLICATION, ACCEPTANCE, AND EXECUTION  
OF A FUNDING AGREEMENT FOR THE NEWHALL WELLS (N11, N12, N13)  
GROUNDWATER TREATMENT IMPROVEMENTS**

**[FULL RESOLUTION MAY BE VIEWED BY VISITING THE SCV WATER WEBSITE](#)**

Upon motion of Director Armitage, seconded by Director Braunstein and carried, the Board pursuant to the previously adopted addendum to the adopted 2005 Groundwater Containment, Treatment, and Restoration Project MND and MMRP, approved Resolution SCV-394

authorizing a purchase order to Lee & Ro, Inc for an amount not-to-exceed \$600,000 for planning and final design services for Wells 206 and 207 Groundwater Treatment Improvements Project with the potential addition of certain exemption language related to CEQA planning and design, subject to legal review by General Counsel, by the following roll call votes (Item 5.3):

Director Armitage	Yes	Director Braunstein	Yes
Director Colley	Yes	Director Cooper	Yes
Vice President Gutzeit	Absent	Director Marks	Yes
President Martin	Yes	Vice President Orzechowski	Absent
Director Petersen	Yes		

#### **RESOLUTION NO. SCV-394**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE SANTA CLARITA VALLEY WATER AGENCY  
APPROVING, PURSUANT TO A PREVIOUSLY ADOPTED ADDENDUM TO THE ADOPTED  
2005 GROUNDWATER CONTAINMENT, TREATMENT, AND RESTORATION PROJECT  
MND AND MMRP, A PURCHASE ORDER TO LEE & RO, INC FOR PLANNING AND FINAL  
DESIGN SERVICES FOR WELLS 206 AND 207 GROUNDWATER TREATMENT  
IMPROVEMENTS PROJECT**

**[FULL RESOLUTION MAY BE VIEWED BY VISITING THE SCV WATER WEBSITE](#)**

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#### **General Manager's Report on Activities, Projects and Programs (Item 6).**

The General Manager reported on the following:

He mentioned next week's ACWA Conference and the opportunity (as a separate event) for the Directors and staff to get a briefing on the Delta Conveyance Project. He informed the Board that two of the SCV Water Board members and a few staff are planning to attend. He advised the Board, that if additional Directors would like to attend, to please let the Board Secretary know so there is no quorum issue.

He then gave an update on water supplies relating to current year banking and transfer activities. He mentioned that a presentation on this item was given to the Water Resources and Watershed Committee and that Committee asked the General Manager to present this information to the full Board.

Lastly, he thanked the Board for their feedback on his annual performance review that he received this past week from the Board officers and the consultants who facilitated the General Manager's review.

To hear the full comments, please refer to the Board recording by clicking the meeting recording link on the first page of these minutes or visiting the SCV Water Website.

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#### **Committee Meeting Recap Report for Informational Purposes Only (Item 7).**

There were no comments on the recap report.



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**President's Report (Item 8).**

President Martin updated the Board on upcoming meetings and events.

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**AB 1234 Written and Verbal Reports (Item 9).**

Written reports were submitted by Director Marks and were included in the Board packet.

President Martin reported that he virtually attended the monthly meeting with DCA Executive Director Graham Bradner on November 15, 2023 and attended the final Water Academy Session held at the RVWTP on November 18, 2023.

Director Cooper reported that he virtually attended the evaluation meeting of the ACWA Executive Director on November 13, 2023 and attended the ACWA Board meeting in Sacramento on November 16 and 17, 2023.

There were no other AB 1234 Reports.

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**Director Reports (Item 10).**

Director Armitage wished everyone a happy Thanksgiving.

President Martin updated the Board on the November 14, 2023 Ad Hoc Committee on Remodeling the Boardroom. He mentioned that the Ad Hoc Committee consisted of Vice Presidents Gutzeit and Orzechowski, Director Cooper and himself. He stated that this item will be coming to the December 5, 2023 regular Board meeting for consideration to move forward with a Request for Proposals on a Boardroom remodel.

There were no other Director reports.

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The Board went into Closed Session at 6:26 PM to discuss Item 11.1:

Conference with Legal Counsel – Existing Litigation (Paragraph (1) of Subdivision (d) of Section 54956.9), Santa Clarita Valley Water Agency v. 3M Company, et. al., Case No: 2:20-cv-3771-RMG

The Zoom meeting was put on hold while the Board went into Closed Session. President Martin advised the public and staff for those who wanted to stay, to remain on the current teleconference line and once Closed Session ends, the Board would reconvene for Closed Session announcements and the conclusion of the meeting.

President Martin reconvened the Open Session at 8:34 PM.

Joe Byrne, Esq., reported that there were no actions taken in Closed Session that were reportable under the Ralph M. Brown Act (Item 12).

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**Director Requests For Future Agenda Items (Item 13).**

There were no requests for future Agenda items.

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The meeting was adjourned at 8:35 PM (Item 14).

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April Jacobs, Board Secretary

ATTEST:

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President of the Board



## BOARD MEMORANDUM

**DATE:** December 5, 2023

**TO:** Water Resources and Watershed Committee

**FROM:** Ali Elhassan *AE*  
Director of Water Resources

**SUBJECT:** Approve Adopting a Resolution Approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B & C) Development

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### SUMMARY

The City of Santa Clarita (City), acting as California Environmental Quality Act (CEQA) lead agency (Lead Agency), has requested that the Santa Clarita Valley Water Agency (SCV Water) prepare a Water Supply Verification (WSV) for the Tesoro Del Valle (Areas B & C) Development (Project), Tentative Tract Map 51644-1, in accordance with 2001 Senate Bill 221 (SB 221). Under CEQA, the City is responsible for all land use decisions related to the Project. SCV Water staff has prepared for Board consideration a WSV (Attachment 1) for the Project that concludes current and future water supplies are sufficient to meet demands for the Project, consistent with SCV Water's 2020 Urban Water Management Plan (UWMP), updated with current information on water supply availability.

### BACKGROUND AND DISCUSSION

City Request for SB 221 WSV – In December 1998, the County of Los Angeles (County) Planning Department prepared and certified the Final Environmental Impact Report (EIR) for the entire Tesoro Del Valle Development. The certification of the EIR preceded the passage of Senate Bill 610 that requires a Water Supply Assessment (WSA) be completed for projects exceeding 500 units. In August 2017, Newhall County Water District (NCWD), the predecessor to SCV Water, at the request of the lead agency at the time submitted a WSA for Areas B & C of the Tesoro Del Valle Development. In 2018 the County prepared and certified a Supplemental Environmental Impact Report for Areas B & C (SEIR). The new design in the SEIR included 665 residential single-family homes, 155 multi-family senior villas, 5.21 acres of developed parks and 133.84 acres of landscaping with dedicated irrigation on approximately 243 acres. In 2022 the City annexed the portion of the proposed project located outside of the City limits and took over the responsibility as the Lead Agency from the County. SB 221 (specifically Government Code sections 65867.5 and 66473.7) requires cities and counties to condition approval of tentative tract maps that include more than 500 dwelling units on obtaining a WSV from the applicable public water system that a sufficient water supply will be available to serve the Project. Because the Project includes a total of 820 dwelling units, the City as the Lead Agency has requested SCV Water to prepare a WSV.

SB 221 WSV Requirements, Analysis, and Conclusions – In accordance with SB 221, a WSV evaluates whether the total water supplies available to SCV Water during normal, single-dry, and multiple-dry years over a 20-year projection will be sufficient to meet the projected demand associated with the proposed Project in addition to SCV Water's other existing and planned

future uses, including but not limited to agricultural and industrial uses. SCV Water staff have prepared the attached WSV in accordance with the statutory requirements of SB 221, including but not limited to a detailed analysis of existing and projected demand and supply for normal, single-dry, and multiple-dry years over a 20-year projection. As noted above, in 2018 the County prepared and approved a Supplemental EIR for the proposed Project. The WSA completed by NCWD in 2017 was incorporated in this SEIR with a total projected water demand of 728 acre-feet per year (AFY). As shown in the WSV, the water demand for the Project is now estimated to be 847 AFY in a normal year, 898 AFY in a single dry year, and 864 AFY in a multiple dry year event. The WSV is based on several water supply planning documents, including the 2020 UWMP and the 2021 Santa Clarita Valley Water Report. The water demands associated with the Project are specifically accounted for as part of SCV Water's projected water demands in the 2020 UWMP.

Based on the requirements of Government Code section 66473.7 and the supporting documentation contained in the administrative record, this WSV, based on the evaluation of the approved WSA for the Project as well as the 2020 UWMP and SCV Water's most recent supply and demand forecasts and updated demand projections for the Project, concludes that the total projected water supplies available during normal, single-dry, and multiple dry water years during a 20-year planning projection are sufficient to meet the projected water demands of the Project, in addition to SCV Water's existing and planned future uses, including but not limited to agricultural and industrial uses.

On November 8, 2023, the Water Resources and Watershed Committee considered staff's recommendation to adopt a resolution approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B and C) Development.

### **STRATEGIC PLAN NEXUS**

The approval of the resolution adopting the Water Supply Verification will help meet SCV Water's Objective and Strategic Plan Objective C.3: "Respond to SB 610 Water Supply Assessments and SB 221 Water Supply Verifications."

### **FINANCIAL CONSIDERATIONS**

None

### **RECOMMENDATION**

The Water Resources and Watershed Committee recommends that the Board of Directors adopt the attached resolution (Attachment 2) approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B & C) Development and direct staff to forward the Water Supply Verification to the City of Santa Clarita Planning Department.

RGV

Attachments

MBS

**ATTACHMENT 1**



**SB 221 Water Supply Verification**

**Tesoro Del Valle (Areas B & C)**

**Vesting Tentative Tract Map No. 51644-1**

**Prepared for:  
City of Santa Clarita**

**November 8, 2023**

*Prepared by*

**Santa Clarita Valley Water Agency  
Department of Water Resources  
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## **EXECUTIVE SUMMARY**

### **Introduction**

This Executive Summary is provided as a quick reference for the information and conclusions provided in this Water Supply Verification (WSV). On October 5, 2023, Santa Clarita Valley Water Agency (SCV Water) received a formal request from the City of Santa Clarita (City) to prepare a WSV. SCV Water has 90 days from October 5, 2023, to finalize the document and adopt a resolution approving the WSV. In the preparation of this WSV, SCV Water's projections include the most recent State Water Project reliability, up to date groundwater availability and recently proposed new EPA PFAS standards. This WSV documents that SCV Water has sufficient water supplies to meet the projected water demands of the proposed Tesoro Del Valle (Areas B & C) Development (Project) in compliance with Government Code section 66473.7, et seq. The Project meets the definition of a "subdivision" as defined in Government Code Section 66473.7, and SCV Water is required to provide this WSV.

### **Project Water Demands**

The County of Los Angeles, lead agency for the Project at the time, previously identified Newhall County Water District (NCWD), a predecessor to SCV Water, as the public water system that would serve the proposed Project. In August 2017, NCWD provided the lead agency with a Water Supply Assessment (WSA) in compliance with Water Code section 10910, et seq. That WSA identified sufficient water supplies during normal, single dry, and multiple dry years during a 20-year projection to meet projected water demands of the Project.

The Project lies entirely within the SCV Water service area, so the first step in determining whether SCV Water has sufficient water supplies to meet the Project's projected water demands is to estimate the current and future water demands for the service area, including the Project's demands, and comparing these demands to the demands calculated in the WSA as well as the most recently adopted Urban Water Management Plan (2020 UWMP).

Through changes in the design and updates to SCV Water's demand calculations in the 2020 UWMP, the Project's water demands have increased from those estimated in the 2017 WSA. Using SCV Water's water demand factors from the 2020 UWMP, the total estimated water demand for the Project at build-out is now approximately 847 acre-feet per year (AFY) in an average/normal year compared to the 728 AFY presented in the 2017 WSA, including temporary irrigation of landscaped slopes. Removing the temporary slope irrigation reduces the water demand by 126 AFY, bringing the future demand of the Project down to 721 AFY in an average/normal water year. For purposes of this WSV, the total estimated Project demand includes the temporary irrigation and is calculated to be 847 AFY in normal/average years, 898 AFY in a single dry year, and 864 AFY in multiple-dry years. The demands for the Project were included in SCV Water's 2020 UWMP.

## Water Supply

The next step in the process is to verify the availability of water supplies for the Project. As indicated above, the current demand projections for the Project have increased slightly from the demand projections in the WSA, so this WSV evaluates the current water supply conditions to these updated demand projections for the Project.

SCV Water's 2020 UWMP sets forth demand projections, including all previously approved projects and future projects, through the year 2050. The Project was included in the 2020 UWMP. The 2020 UWMP concludes that SCV Water has sufficient water supply for normal, single-dry, and multiple-dry years over its planning horizon. This conclusion is based on the reliability of water supply from imported State Water Project water, local groundwater supplies, banking programs with Semitropic and Rosedale-Rio Bravo Water Districts, long-term agreements with Buena Vista-Rosedale Rio Bravo Water Districts, recycled water as well as conservation measures and other water exchanges and transfers as shown in the Executive Summary, Table 1 – Summary of Projected Supplies and Demands, below. The 2020 UWMP also assessed and incorporated potential impacts from climate change as it relates to both the supply and demands projections.

This WSV also relies on the most recent information in regard to water quality challenges impacting the local groundwater basins. A key factor to meeting future demands is restoring existing groundwater supplies that are currently contaminated with perchlorate, per- and poly fluorinated alkyl substances (PFAS), and volatile organic compounds (VOCs).

Recently, two wells (Well 205 and Well 201) which initially were scheduled to be back on-line in 2023 due to treatment for perchlorate and VOCs have had their timeline extended to 2025. Two additional wells (Saugus 1 and Saugus 2) are also scheduled for VOC treatment planned to be completed by 2025. The proposed timeline for all wells impacted by perchlorate, VOCs and PFAS can be found in Tables 4-3(a)(b). The temporary reduction in supply due to new treatment timelines was incorporated into our calculations in this WSV.

In March 2023, the United States Environmental Protection Agency (USEPA) announced a proposal to establish national standard maximum contaminant levels (MCL) for PFAS in drinking water. These newly proposed MCL's may affect SCV Water's ability to pump groundwater locally and may require SCV Water to perform PFAS treatment on up to 31 impacted wells. Although these proposed changes are not anticipated to be finalized until 2024 with an additional 3 years for compliance, SCV Water has amended its Groundwater Treatment Implementation Plan<sup>1</sup> which evaluated these proposed changes and their potential impacts on our groundwater supply. The plan identifies additional wells needing PFAS treatment and provides a schedule where the wells will be returned to service by 2030. This WSV includes this new information and evaluates impacts from the newly proposed MCL's and determines SCV water can reliably utilize other water supply sources until the affected wells have been returned to

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<sup>1</sup> Kennedy/Jenks Consultants. 2023. Addendum to the Santa Clarita Valley Water Agency Groundwater Treatment Implementation Plan. August

service. The impacts of water quality affecting the local groundwater basins are explained in more detail in Section 4.2.

Executive Summary Table 1 below shows current water supply projections, which include only existing and recovered supplies, taking the new treatment schedules and USEPA MCL's for PFAS into account, compared to water demand projections.

**EXECUTIVE SUMMARY TABLE 1  
SUMMARY OF PROJECTED SUPPLIES AND DEMANDS (AF)**

Summary of SCV Water's Existing and Recovered Supplies									
Year	Normal Year Supply (AF) <sup>(a)</sup>	Normal Year Demand (AF) with Project <sup>(a)</sup>	Remaining Balance (AF)	Single-Dry Year Supply (AF) <sup>(b)</sup>	Single-Dry Year Demand (AF) with Project <sup>(b)</sup>	Remaining Balance (AF)	5-Year Dry Period Supply (AF) <sup>(c)</sup>	5-Year Dry Period Demand (AF) with Project <sup>(c)</sup>	Remaining Balance (AF)
2025	94,039	76,400	17,639	86,547	81,000	5,547	98,043	77,830	20,213
2030	104,196	81,700	22,496	104,356	86,600	17,756	114,023	83,620	30,403
2035	108,988	88,700	20,288	115,550	94,000	21,550	125,229	90,570	34,659
2040	109,435	93,600	15,835	116,719	99,200	17,519	129,706	95,780	33,926
2045	110,436	97,500	12,936	117,720	103,400	14,320	130,636	99,670	30,966

Notes:

- (a) Reference Table 5-2 for Normal Year supply and demands with active and passive conservation.
- (b) Reference Table 5-3 for Single Dry Year supply and demands with active and passive conservation.
- (c) Reference Table 5-4 for Multi Dry Year supply and demands with active and passive conservation.

### Verification of Sufficient Water Supply

This WSV is based on the evaluation of the approved WSA for the Project as well as the 2020 UWMP updated with the most recent information regarding the Project and the current status of SCV Water's supplies. This WSV concludes that the total projected water supplies available during normal, single-dry, and multiple-dry water years during a 20-year planning projection are sufficient to meet the projected water demands of the Project, in addition to SCV Water's existing demands and planned future demands, including but not limited to agricultural and industrial uses.

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## List of Acronyms

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AF	Acre-Feet
AFY	Acre-Feet Per Year
AIP	Agreement in Principle
AVEK	Antelope Valley East-Kern Water Agency
Bay-Delta	San Francisco Bay/Sacramento-San Joaquin Delta Estuary
BO	Biological Opinion
BVWSD	Buena Vista Water Storage District
Cal OES	California Office of Emergency Services
CASGEM	California Statewide Groundwater Elevation Monitoring
CCR	California Code of Regulations
CCWA	Central Coast Water Authority
CEC	California Energy Commission
CESA	California Endangered Species Act
CEQA	California Environmental Quality Act
CEPA	California Environmental Protection Agency
CDFW	California Department of Fish and Wildlife
cfs	Cubic Feet Per Second
CII	Commercial, Industrial, Institutional
CLWA	Castaic Lake Water Agency
CNRA	California National Resources Agency
COA	Coordinated Operation Agreement
CORPS	Corps of Engineers



CVP	Central Valley Project
BPD	Disinfection By-Products
DCP	Delta Conveyance Project
DCP	Delivery Capability Report
DDW	Division of Drinking Water
DFW	Department of Fish and Wildlife
DLR	Detection Level for Reporting
DPH	California Department of Public Health
DPR	Direct Potable Reuse
DSS	Decision Support System
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
FBR	Fluidized Bed Reactor
FWS	Fish and Wildlife Service
GSA	Groundwater Sustainability Agency
GSP	Groundwater Sustainability Plan
GWMP	Groundwater Management Plan
HET	High Efficiency Toilets
HEU	High Efficiency Urinals
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ESA	Endangered Species Act
FBR	fluidized bed reactor
GIS	Geographic Information System
HAA5	Haloacetic Acids
KCWA	Kern County Water Agency
IRWMP	Integrated Regional Water Management Plan
LACWWD 36	Los Angeles County Water Works District 36
LARWQCB	Los Angeles Regional Water Quality Control Board
MAF	Million Acre-Feet
MGD	Million Gallons per Day
MGL	Micrograms per Liter
MOU	Memorandum of Understanding
NCWD	Newhall County Water District
NEPA	National Environmental Policy Act
Ng/L	nanograms per liter
NL	Notification Level
NLF	Newhall Land and Farming
NMFS	National Marine Fisheries Service
NPDES	National Pollutant Discharge Elimination System
NOP	Notice of Preparation
NWD	Newhall Water Division
OAL	Office of Administrative Law
OVOV	One Valley One Vision

PFAS	Per- and Polyfluoroalkyl Substances
PFOA	Perfluorooctonic acid
PFOS	Perflurooctane sulfonate
PWAs	Public Water Agencies
RL	Response Level
RRBWSD	Rosedale Rio-Bravo Water Storage District
RWMP	Recycled Water Management Plan
SATP	Saugus Aquifer Treatment Plant
SB	Senate Bill
SCWD	Santa Clarity Water Division
SCVSD	Santa Clarita Valley Sanitation District
SCV Water	Santa Clarita Valley Water Agency
Semitropic	Semitropic Water Storage District
SGMA	Sustainable Groundwater Management Act
SLDMWA	San Luis & Delta Mendota Water Authority
SNMP	Salt and Nutrient Management Plan
SOC	Synthetic organic compounds
SWRCB	State Water Resources Control Board
SWP	State Water Project
SWRU	Stored Water Recovery Unit
THMS	Trihalomethanes
TTHMs	Total Trihalomethanes
TMDL	Total Maximum Daily Load
TOC	Total Organic Carbon
USCR	Upper Santa Clara River
VOC	Volatile Organic Compound
WMT	Water Management Tools
WQOs	Water Quality Objectives
WSA	Water Supply Assessment
WSV	Water Supply Verification
WUESP	Water Use Efficiency Strategic Plan
ug/L	micrograms per liter
UIF	Unimpaired Flow
UWCD	United Water Conservation District
USEPA	United State Environmental Protection Agency
USBR	United States Bureau of Reclamation
UWMP	Urban Water Management Plan
UV	Ultra-Violet
WKWD	West Kern Water District
WQR	Water Quality Report
WRP	Water Reclamation Plant
VWC	Valencia Water Company
VWD	Valencia Water Division

## **Section 1: Introduction**

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### **1.1 Background**

This Water Supply Verification (WSV) has been prepared by the Santa Clarita Valley Water Agency (SCV Water) for the Tesoro Del Valle (Areas B & C) Development (Project), which consists of 665 single family home lots, 155 senior villas, 5.21 acres of developed parks and 133.84 acres of dedicated irrigation, located in the City of Santa Clarita, Los Angeles County, California. The WSV is prepared pursuant to the requirements of California Government Code Sections 66473.7, et seq., commonly known as Senate Bill 221 (SB 221; Kuehl; Chapter 642, Stats. 2001).<sup>1</sup>

SB 221 amended state law, effective January 1, 2002, to improve the link between information on water supply availability and certain land use decisions made by cities and counties. Generally, SB 221 requires cities and counties to condition their approvals of tentative maps that include a “subdivision” (defined as a proposed residential development of more than 500 dwelling units) on obtaining written verification from the applicable “public water system” that a sufficient water supply will be available to serve the proposed subdivision in addition to existing and planned future uses.”

The Water Code defines “public water system” to mean “a system for the provision of piped water to the public for human consumption that has 3,000 or more service connections.” SCV Water serves piped water to the public (i.e., residents of the Santa Clarita Valley) within its current service area, and the area includes about 73,542 service connections in the City of Santa Clarita and in the neighboring unincorporated Los Angeles County communities. As a result, SCV Water is the “public water system” for the purposes of this WSV and would serve as the water purveyor for the Project.

The Project involves a tentative map that includes more than 500 residential dwelling units. The City of Santa Clarita has thus conditioned approval of Tentative Tract Map No. 51644-1 for the Project on obtaining a WSV to show that a sufficient water supply will be available to serve the Project in accordance with the SB 221 standards.<sup>2</sup> SCV Water is the retail purveyor for the Project, and thus SCV Water is required to prepare a WSV, pursuant to a request by CEQA lead agency, which is the City of Santa Clarita.<sup>3</sup>

### **1.2 Purpose and Applicable Requirements**

As noted above, SB 221 requires cities and counties to condition their approvals of tentative maps that include a “subdivision” (defined as a proposed residential development of more than 500 dwelling units) on obtaining written verification from the applicable “public water system” that a “sufficient water supply” will be available to serve the proposed subdivision in addition to existing and planned future uses, including, but not limited to agricultural and industrial uses. (Govt. Code § 66437.7(a)-(b).) “Sufficient water supply” means the total water supplies available during normal, single-dry, and multiple-dry years within a 20-year projection that will meet the projected demand associated with the specified subdivision, in addition

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<sup>1</sup> SB 221, filed with Secretary of State October 9, 2001, amended Section 11010 of the Business and Professions Code and Section 65867.5 of the Government Code (Subdivision Map Act), and added Sections 66455.3 and 66473.7 to the Government Code (Subdivision Map Act).

<sup>2</sup> Government Code § 66473.7(a)(1). This section also includes other types of development that are defined as a “project” by this section of the code.

<sup>3</sup> Government Code § 66473.7(a)(1)

to existing and planned future uses, including, but not limited to, agricultural and industrial uses. (Govt. Code § 66437.7(a)(2).)

In determining whether a sufficient water supply will be available, all of the following factors must be considered:

(a) the availability of water supplies over a historical record of at least 20 years (Table 5-1);

(b) the applicability of an urban water shortage contingency analysis prepared pursuant to Section 10632 of the Water Code that includes actions to be undertaken by the public water system in response to water supply shortages<sup>4</sup>;

(c) the reduction in water supply allocated to a specific water use sector pursuant to a resolution or ordinance adopted, or a contract entered into, by the public water system, as long as that resolution, ordinance, or contract does not conflict with Section 354 of the Water Code; and

(d) the amount of water that the water supplier can reasonably rely on receiving from other water supply projects such as conjunctive use, reclaimed water, water conservation, and water transfer, including programs identified under federal, state, and local water initiatives<sup>5</sup>.

(e) if the Project relies in whole or in part on groundwater, the following factors:

(i) For a basin for which a court or the State Water Resources Control Board has adjudicated the rights to pump groundwater, the order or decree adopted by the court or the State Water Resources Control Board.

(ii) For a basin that has not been adjudicated, as follows:

(I) For a basin designated as high- or medium-priority pursuant to Section 10722.4 of the Water Code, the most recently adopted or revised adopted groundwater sustainability plan or approved alternative. If there is no adopted groundwater sustainability plan or approved alternative, information as to whether the Department of Water Resources has identified the basin or basins as over drafted or has projected that the basin will become over drafted if present management conditions continue<sup>6</sup>.

(II) For a basin designated as low- or very low priority pursuant to Section 10722.4 of the Water Code, information as to whether the Department of Water Resources has identified the basin or basins as over drafted or has projected that the basin will become over drafted if present management conditions continue.

(see Govt. Code § 66437.7(a)(2)(A)-(E).)

SB 221 provides that a WSV must be based on substantial evidence, which may include, but is not limited to:

(a) the water agency's most recently adopted Urban Water Management Plan<sup>7</sup>;

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<sup>4</sup> See link in Section 6 to Santa Clarita Valley Water Agency 2020 Water Shortage Contingency Plan Section 4

<sup>5</sup> See Section 5 Tables 5-2, 5-3 and 5-4

<sup>6</sup> See link in Section 6 to Santa Clara River Valley East Groundwater Subbasin Groundwater Sustainability Plan, 2022

<sup>7</sup> See link in Section 6 to SCVWA 2020 Urban Water Management Plan

(b) a Water Supply Assessment previously prepared for the project under SB 610<sup>8</sup>;

(c) a groundwater sustainability plan adopted or alternative approved pursuant to Part 2.74 (commencing with Section 10720) of Division 6 of the Water Code<sup>9</sup>; and

(d) information and analysis that is substantially similar to that contained in the water agency's water shortage contingency plan.

(Govt. Code § 66437.7(c).)

If the subdivision relies on water sources that are not currently available to the water agency, the WSV must be based, as to those sources of projected supplies, on the following elements, as applicable<sup>10</sup>:

(a) written contracts or other proof of valid rights to the supply that identify the terms and conditions under which the water will be available to serve the proposed subdivision;

(b) copies of capital outlay programs for delivery financing;

(c) applicable construction permits for infrastructure necessary to serve the subdivision; and

(d) any other necessary regulatory approvals.

(Govt. Code § 66437.7(d).)

In addition to the above requirements, the WSV must include a description to the extent data is reasonably available, of the reasonably foreseeable impacts of the proposed subdivision on the availability of water resources for agricultural and industrial uses within the water agency's service area<sup>11</sup>.

(Govt. Code § 66437.7(g).)

Where the water supply for a proposed subdivision includes groundwater, the WSV also must evaluate the extent to which the water supplier and/or project applicant has the right to extract any groundwater on which the subdivision will rely<sup>12</sup>.

(Govt. Code § 66437.7(h).)

This WSV addresses and meets all of these SB 221.

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<sup>8</sup> See link in Section 6 to NCWD Tesoro Del Valle Development Water Supply Assessment, August 2017

<sup>9</sup> See link in Section 6 to Santa Clara River Valley East Groundwater Subbasin Groundwater Sustainability Plan, 2022

<sup>10</sup> See link in Section 6 to SCVWA Biennial Budget and Section 3.8

<sup>11</sup> See Section 5.1.1

<sup>12</sup> See Groundwater Section 3.3.3

<b>Government Code Section</b>	<b>Information Location</b>
66473.7(a)(2)(A)	Section 5 - Table 5-1
66473.7(a)(2)(B)	Section 6 Link - 2020 Water Shortage Contingency Plan Section 4
66473.7(a)(2)(D)	Section 5 - Tables 5-2, 5-3 and 5-4
66473.7(a)(2)(E)	Section 6 Link - 2022 SCRV Groundwater Sustainability Plan
66473.7(c)(a)	Section 6 Link - 2020 SCVWA Urban Water Management Plan
66437.7(c)(b)	Section 6 Link - 2017 NCWD Tesoro Del Valle Development WSA
66437.7(c)(c)	Section 6 Link - 2022 SCRV Groundwater Sustainability Plan
66437.7(d)	Section 6 Link - SCVWA Biennial Budget 23/24, 24/25 and Section 3.8
66437.7(g)	Section 5.1.1
66437.7(h)	Groundwater Section 3.3.3

### **1.3 Project Description**

The Project (Vesting Tentative Tract Map 51644-1) is a 1274.9+/- acre subdivision of which approximately 243-acres in Phases B & C will be developed with residential homes, parks and landscape with dedicated irrigation, the balance being unirrigated open space. The Project is located east of the I-5 Freeway along the northern boundary of the City of Santa Clarita. The Project site is adjacent to, and northwesterly of, the mostly constructed Phase A of the Tesoro Del Valle development, just north of Avenida Rancho Tesoro and west of Casa Luna Place. The Project is located within SCV Water’s service area as shown in Figure 1-1. The Project consists of 665 single family residential homes, 155 multi-family senior villas, 5.21 acres of developed parks and 133.84 acres of landscaping with dedicated irrigation. The total estimated water demand for the Project at build-out is approximately 847 AFY in an average/normal year. The Project Site Plans are shown in Appendix A.

#### **1.3.1 Project CEQA Discussion**

In December 1998, the County of Los Angeles certified the Final Environmental Impact Report (FEIR) for the entire Tesoro Del Valle development. The certification of the FEIR came before the passing of State Bill 610 that requires a Water Supply Assessment be completed for any projects exceeding 500 units. In 2018, the County of Los Angeles certified a Supplemental Environmental Impact Report (SEIR) for the Project. The SEIR included a SB 610 Water Supply Assessment prepared by Newhall County Water District (NCWD), a predecessor to Santa Clarita Valley Water Agency. The WSA states that the total projected water supplies available during the ensuing twenty years would be adequate to meet the projected water demands associated with the Project as well as existing and other planned uses within SCV Water’s service area. This determination was consistent with the Castaic Lake Water Agency’s, a predecessor to SCV Water, 2015 UWMP.

Figure 1-1 Project Location Map



## **1.4 Santa Clarita Valley Water Agency**

SCV Water is located in the northwestern portion of Los Angeles County. SCV Water is the regional water wholesaler and retailer for the Santa Clarita Valley. The Project site is located within SCV Water's service area, and the lead agency has identified SCV Water as the water supplier for the Project.

SCV Water's service area includes nearly the entire city of Santa Clarita and neighboring unincorporated portions of Los Angeles County. SCV Water's current service area includes a mix of residential and commercial, and light industrial land uses, mostly comprised of single-family homes, apartments, condominiums, and several local shopping centers and neighborhood commercial developments. SCV Water serves approximately 73,542 service connections. SCV Water generally meets potable water demands using a mix of local groundwater, banked groundwater supplies, imported State Water Project (SWP) water, and other imported supplies. Recycled water is delivered to some customers for non-potable uses, such as landscape irrigation.

The groundwater basin in the Santa Clarita Valley, the Santa Clara River East Subbasin, is unadjudicated, meaning that SCV Water does not have specific adjudicated, or court-defined, water rights or specific limitations that dictate its groundwater supply. However, in practice, SCV Water assesses available groundwater supplies pursuant to appropriate groundwater rights in the basin and in accordance with a groundwater operating plan developed by SCV Water and other retail water purveyors in the Santa Clarita Valley and complemented by analyses based on a numerical groundwater flow model of the basin. SCV Water is also a member of the Santa Clarita Valley Groundwater Sustainability Agency (SCV-GSA) for the Santa Clara River East Subbasin. In preparing the basin's Groundwater Sustainability Plan (GSP), it conducted additional numeric modeling that further refined the groundwater operating plan for the basin as further discussed in Section 3.3.2.1. The Project landowner will not pump groundwater to serve the Project. SCV Water has rights to and will pump groundwater, as part of its water supply portfolio, to serve the Project as detailed more fully herein.

### **1.4.1 Water Management Within SCV Water**

SCV Water was formed on January 1, 2018, when the Castaic Lake Water Agency (CLWA), which included Santa Clarita Water Division (SCWD), merged with Newhall County Water District (NCWD) to become a single agency pursuant to state legislation (SB 634, Chapter 833 2017). Later in January 2018, Valencia Water Company (VWC) was dissolved, and its assets were transferred to SCV Water. The SCV Water service area is shown in Figure 1-1. The formation of SCV Water occurred through a collaborative process. Until the merger, CLWA served as the regional wholesaler to the Santa Clarita Valley, encompassing a service area of 195 square miles in Los Angeles and Ventura Counties. SCV Water now serves the same service area which covers nearly the entire City of Santa Clarita and unincorporated portions of Los Angeles County. In addition, SCV Water serves as a wholesale water provider to Los Angeles County Water Works District 36 (LACWWD 36) whose service area includes the Hasley Canyon and the Val Verde communities in unincorporated Los Angeles County. LACWWD 36, which is in the SCV Water service area, relies in part on its own groundwater. SCV Water provides imported water as a supplemental supply.

## **1.5 2020 Urban Water Management Plan**

Under SB 221, the most recently adopted Urban Water Management Plan (UWMP)<sup>13</sup> is a foundational document for WSV's and can be used as substantial evidence to support the conclusions in the WSV. The

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<sup>4</sup> Urban Water Management Planning Act (UWMP Act), Water Code § 10610, et seq.



2020 UWMP was adopted by the SCV Water Board of Directors in June 2021 and filed with DWR.<sup>14</sup> Since the 2020 UWMP was submitted to DWR in 2021, additional information has become available, which staff incorporated into this WSV. These updates primarily reflect revised SWP reliability data, which became available from the October 2021, Final SWP Delivery Capability Report (DCR 2021) (see Section 3.2.7 SWP Water Supply Estimate) as well as updated planning, construction, and permitting schedules for several groundwater well recovery projects (see Section 3.3.2.3 Available Groundwater Supplies). The 2020 UWMP information was therefore updated to provide the SCV Water Board with the most current information when it considers adoption of this WSV.

The 2020 UWMP is a planning document covering the SCV Water service area. The 2020 UWMP encouraged extensive public participation that included information dissemination; public workshops, meetings, and hearings; plan adoption; and plan submittal to DWR. The 2020 UWMP includes the following ten major sections:

- Section 1: Introduction
- Section 2: Water Use
- Section 3: SBX7-7 Baseline, Targets, and 2020 Compliance
- Section 4: Water Resources
- Section 5: Recycled Water
- Section 6: Water Quality
- Section 7: Reliability Planning
- Section 8: Demand Management Measures
- Section 9: Catastrophic Interruptions in Water Service
- Section 10: References

Consistent with the UWMP Act, the 2020 UWMP accomplishes water supply planning over the required 20-year period in five-year increments. While not required, SCV Water exceeded the requirements of the UWMP Act by including a span of 30 years in the 2020 UWMP, extending out to 2050. The 2020 UWMP identifies and quantifies sufficient water supplies for existing and future demands in normal/average, single-dry, and multiple-dry years and describes implementation of conservation and efficient use of urban water supplies.

Due to the fact that the County of Los Angeles had certified an EIR for the Project and their Planning Department was involved in the preparation of 2020 UWMP to the extent of notifying SCV Water of all known future projects, the Project's total projected water demand was accounted for in the 2020 UWMP. This information is incorporated by reference in this WSV and can be found on SCV Water's website at <https://yourscvwater.com/uwmp/>. Demands for the Project are included in Section 2.3 of this WSV.

## **1.6 SCV Water Policies and Regulatory Approvals/Permits**

The Project will be subject to all SCV Water policies that govern development and connection to the SCV Water public water system. As with other projects within its service area, the Project applicant is responsible for making appropriate financial and contractual arrangements with SCV Water to assure the necessary improvements are made to the water supply infrastructure to serve the Project site.

Other Regulatory Approvals/Permits: SCV Water is regulated by the State Water Resources Control Board – Division of Drinking Water (DDW) and must meet rigorous water quality standards.

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<sup>14</sup> The 2020 UWMP, Section 1.

## 1.7 Information Used or Relied Upon in Preparing this WSV

This WSV used or relied on information contained in the documents listed below. Documents may be available online, as set forth in Section 6 – References, and/or by contacting the SCV Water - Water Resources Department at (661) 297-1600. The documents are part of SCV Water's record for the preparation of this WSV.

- California Department of Water Resources, 2021 Final State Water Project Delivery Capability Report.
- California Department of Water Resources 2019 State Water Project Delivery Capability Report.
- California Department of Water Resources Contract Extension Amendment, February 2019.
- California Department of Water Resources Addendum to the Coordinated Operations Agreement with the Bureau of Reclamation, December 2018.
- California Department of Water Resources. 2018. Delta Flood Emergency Plan.
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- California Department of Water Resources and the Army Corps of Engineers, 2019. Delta Emergency Integration Plan.
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- California Division of Drinking Water, November 1997. Policy Memo 97-005: Policy Guidance for Direct Domestic Use of Extremely Impaired Sources.
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- Carollo Engineers, June 2015. Santa Clarita Valley Water Agency Water Resources Reconnaissance Study.
- CH2M Hill, 2004a. Regional Ground water Flow Model for the Santa Clarita Valley, Model Development and Calibration.
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- CH2M Hill, 2005a. Technical Memorandum, Calibration Update of the Regional Ground Water Flow Model for the Santa Clarita Valley, Santa Clarita, California.
- CH2M Hill and Luhdorff & Scalmanini, Consulting Engineers, 2005. Analysis of Ground Water Basin Yield, Upper Santa Clara River Groundwater Basin, East Subbasin, Los Angeles County, California, prepared for Upper Basin Water Purveyors.

- Geoscience. 2014. Salt and Nutrient Management Plan for the Upper Santa Clara River Groundwater Basin Volumes 1 and 2.
- GSI Water Solutions (GSI), Inc. 2022. Santa Clara River Valley East Groundwater Sustainability Plan.
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- GSI & LSCE. 2014. Draft Report: Perchlorate Containment Plan for Well V201 and Saugus Formation Groundwater in the Santa Clarita Valley (Task 3 of the Well V201 Restoration Program).
- Kennedy/Jenks Consultants. 2023. Santa Clarita Valley Water Agency Addendum to the Groundwater Treatment Implementation Plan.
- Kennedy/Jenks Consultants 2021. Santa Clarita Valley Water Agency Groundwater Treatment Implementation Plan Addendum.
- Kennedy/Jenks Consultants. 2021. Santa Clarita Valley 2020 Urban Water Management Plan
- Kennedy/Jenks Consultants. 2016a. Recycled Water Master Plan Update.
- Kennedy/Jenks Consultants. 2016b. Santa Clarita Valley Recycled Water Rules and Regulations Handbook.
- Kennedy/Jenks Consultants. 2015. Final Preliminary Design Report for the Recycled Water System Phase 2B.
- Kennedy/Jenks Consultants. 2014 and 2018 Update. Integrated Regional Water Management Plan for the Upper Santa Clara River Region.
- Kennedy/Jenks Consultants. 2002. Recycled Water Master Plan Update.
- Los Angeles Regional Water Quality Control Board (LARWQCB). 1994. Water Quality Control Plan: Los Angeles Region Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, 2020 version.
- Luhdorff & Scalmanini, Consulting Engineers, 2021. 2020 Santa Clarita Valley Water Report.
- Luhdorff & Scalmanini, Consulting Engineers, 2020. 2019 Santa Clarita Valley Water Report.
- Luhdorff & Scalmanini and GSI Water Solutions. August 2009. Analysis of Ground Water Supplies and Ground water Basin Yield, Upper Santa Clara River Ground Water Basin, East Subbasin.
- Luhdorff and Scalmanini, 2005. Consulting Engineers, Impact and Response to Perchlorate Contamination, Valencia Water Company Well Q2, prepared for Valencia Water Company.
- Luhdorff & Scalmanini, Consulting Engineers, December 2003. Ground Water Management Plan for the Santa Clara Valley Ground Water Basin, East Subbasin.
- M&N. 2007. Levee Repair, Channel Barrier, and Transfer Facility Concept Analyses to Support Emergency Preparedness Planning.
- Maddaus Water Management (MWM), Inc. 2021. Draft 2021 SCV Demand Study: Land-Use-Based Demand Forecast Analysis.
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- Richard C. Slade & Associates, LLC, 1988. Investigation of Perennial Yield and Artificial Recharge Potential of the Alluvial Sediments in the Santa Clarita River Valley of Los Angeles County, California, Vols. I and II, prepared for Upper Santa Clara Water Committee.
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- Santa Clarita Valley Water Agency (SCV Water), Biennial Budget, FY 2023/24 and FY 2024/25.
- Santa Clarita Valley Water Agency (SCV Water). 2023. 2021 Santa Clarita Valley Water Report.
- Santa Clarita Valley Water Agency (SCV Water). 2021. Water Supply Reliability Plan Update, prepared by Geosyntec.
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- Santa Clarita Valley Water Agency (SCV Water), 2021. Final Water Shortage Contingency Plan.
- Santa Clarita Valley Water Agency (SCV Water), Two-for-One Water Exchange Program with Antelope Valley-East Kern Water Agency (AVEK), 2019.
- Santa Clarita Valley Water Agency (SCV Water) Two-for-One Water Exchange Program with United Water Conservation District, 2019.
- Santa Clarita Valley Water Agency (SCV Water), 2018, Yuba Accord Agreement.
- Santa Clarita Valley Water Agency (SCV Water), July 2015. Castaic Lake Water Agency 2015 Strategic Plan, 2017 Addendum.
- Santa Clarita Valley Water Agency (SCV Water), State Water Contract with the Department of Water Resources (DWR).
- Santa Clarita Valley Water Agency (SCV Water), 2015, Agreement with Ventura County for use of their Flexible Storage Account.
- Santa Clarita Valley Water Agency (SCV Water), Agreement with Semitropic Water Storage District for participation in the Storage Water Recovery Unit (SWRU), 2015.
- Santa Clarita Valley Water Agency (SCV Water), 2014, Agreement in Principle with the Department of Water Resources for extension of contracts, September 12, 2014.
- Santa Clarita Valley Water Agency (SCV Water), Transfer Agreement with Buena Vista Water Storage District and Rosedale Rio Bravo Water Storage District, 2007.
- Santa Clarita Valley Water Agency (SCV Water), Water Banking and Exchange Program Agreement with Rosedale Rio Bravo Water Storage District, 2005-2015.

- Santa Clarita Valley Water Agency (SCV Water), 1996. Contract with the Santa Clarita Valley Sanitation District.
- Sites Program Management Team. 2020. Sites Reservoir Value Planning Report.
- Wang, Jianzhong, Hongbing Yin, Erik Reyes, Tara Smith, Francis Chung (California Department of Water Resources). 2018. Mean and Extreme Climate Change Impacts on the State Water Project. California's Fourth Climate Change Assessment. Publication number: CCCA4-EXT-2018-004.
- Woodard and Curran, 2021. Recycled Water Seasonal Storage Study Technical Memo, January 14, 2021.

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## **Section 2: Historical and Projected Water Supplies and Demands**

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This section describes historical and projected water supplies and demands in the SCV Water service area and the methodology used to project future demands within SCV Water service area. In order to estimate demand out to 2050 (assumed year of designated land use-buildout), population and water use projections were made based upon existing land uses and planned land use development compiled for the service area, including the City of Santa Clarita and County of Los Angeles land use plans, also known as the One Valley One Vision general plan (OVOV). The Project is located in the City of Santa Clarita and covered by the OVOV. It is SCV Water’s understanding that this development is contained in and consistent with the OVOV plan. As the UWMP incorporates the housing and commercial development projected in the OVOV plan, the Project’s water demand has already been incorporated into the existing UWMP demand projections. In addition, weather and water conservation effects on water usage were considered for this WSV consistent with the approach of the 2020 UWMP.

### **2.1 Historical Use and Existing and Projected SCV Water Demands**

As part of the 2020 UWMP update, an analysis was performed that combined growth projections with water use data to forecast total water demand in future years. Water uses were broken out into specific categories and assumptions were made to accurately project water use over the next 30 years. The demand projections include econometric modeling and plumbing code changes and assume that water conservation programs will continue to be implemented. Climate change impacts on demands were also assessed and incorporated in the demand projections. Demand projections were based on the 2021 Maddaus Technical Memorandum, which serves as the land-use demand forecast for SCV Water and its service area. SCV Water’s service area historical and current potable water demands are shown in Table 2-1 and graphically in Figure 2-1.

**TABLE 2-1  
HISTORICAL WATER USE IN THE SCV WATER SERVICE AREA  
BASED ON AVAILABLE SUPPLIES USED (AF)<sup>(a)</sup>**

<b>Year</b>	<b>Population<sup>(d)</sup></b>	<b>SCV Water</b>	<b>LACWWD 36<sup>(b)</sup></b>	<b>Total<sup>(c)</sup></b>
1995	161,234	45,196	477	45,673
1996	164,417	49,614	533	50,147
1997	168,825	53,388	785	54,173
1998	173,802	48,280	578	48,858
1999	179,260	56,596	654	57,250
2000	186,236	60,188	800	60,988
2001	196,619	59,784	907	60,691
2002	206,400	67,156	1,069	68,225
2003	215,779	66,272	1,175	67,447
2004	227,823	71,062	1,234	72,296
2005	237,065	69,568	1,200	70,768
2006	242,464	72,837	1,289	74,126
2007	247,194	76,086	1,406	77,492
2008	248,909	74,546	1,354	75,900
2009	250,624	68,731	1,243	69,974
2010	254,548	62,925	1,141	64,066
2011	257,095	63,633	1,172	64,805
2012	259,730	68,447	1,265	69,712
2013	260,377	72,164	1,296	73,460
2014	265,061	66,936	1,242	68,178
2015	266,530	53,515	976	54,491
2016	269,220	56,916	1,050	57,966
2017	271,940	62,461	1,094	63,555
2018	274,660	64,011	1,209	65,220
2019	277,305	59,098	979	60,077
2020	280,588	64,734	1,262	65,996
2021	286,868	66,418	1,244	67,662
2022	295,639	60,912	986	61,898

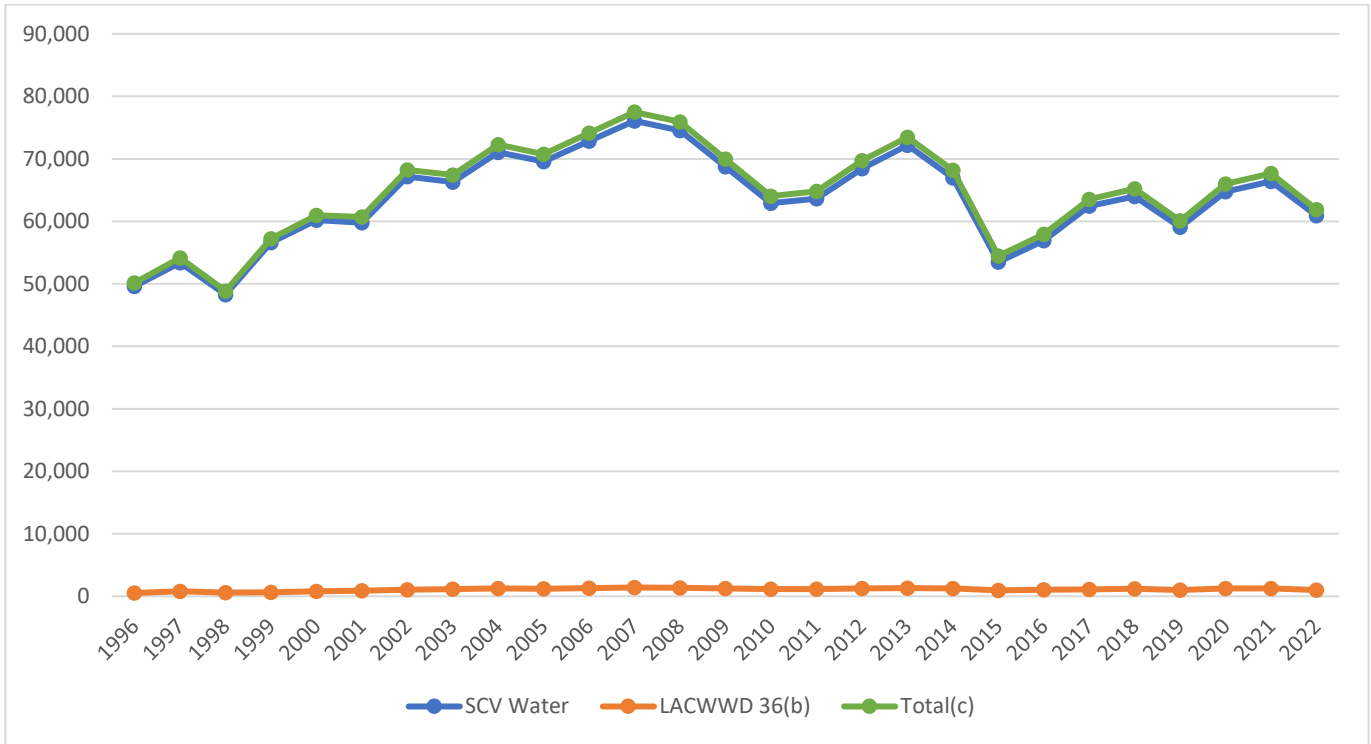
Source: 2021 Santa Clarita Valley Water Report (January 2023) and 2022 data provided by SCV Water and LACWWD 36.

Notes:

- (a) Total potable and non-potable water use.
- (b) LACWWD 36 is included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.
- (c) Does not include required groundwater discharge to the stormwater system during initial operation at multiple SCV Water Groundwater Treatment Facilities
- (d) Population does not include LACWWD 36



**FIGURE 2-1  
HISTORICAL WATER USE IN THE SCV WATER SERVICE AREA (AF)<sup>(a)</sup>**



Source: 2021 Santa Clarita Valley Water Report (January 2023) and 2022 data provided by SCV Water and LACWWD 36.

Notes:

- (a) Water use shown here includes potable and non-potable (recycled water) use. Recycled water makes up less than 1 percent of total use.
- (b) LACWWD 36 is included for purposes of providing regional completeness; however, it is not required to prepare an UWMP
- (c) Does not include required groundwater discharge to the stormwater system during initial operation at multiple SCV Water Groundwater Treatment Facilities

**TABLE 2-2  
SUMMARY OF WATER SUPPLIES USED IN 2022 (AF)**

	<b>2022<sup>(a)</sup></b>
Existing Groundwater	
Alluvial Aquifer	13,616
Saugus Formation	10,434
<b>Total Groundwater<sup>(b)</sup></b>	<b>24,050</b>
Recycled Water	
<b>Total Recycled</b>	<b>340</b>
Imported Water	
State Water Project <sup>(b)</sup>	6,447
Buena Vista-Rosedale <sup>(c)</sup>	6,242
Yuba Accord Water	748
Flexible Storage	1,993
Mitigation Water	13
<b>Total Imported</b>	<b>15,443</b>
Existing Banking and Exchange Programs	
Rosedale Rio-Bravo Bank	17,776
Semitropic Bank	5,000
<b>Total Bank/Exchange</b>	<b>22,776</b>
<b>Total Supplies</b>	<b>62,609</b>

Notes:

(a) Actual 2022 supplies utilized. These values are not indicative of available future supplies.

(b) Includes Table A, Article 56 and Back-up supplies.

(c) 11,000 AF water purchase. 6242 AF used in service area with remainder allocated to San Luis backup storage for use in 2023

## 2.2 Projected Water Use

The demand projections for the SCV Water service area have been estimated through 2050. For the UWMP, a land use-based approach was used (which incorporates information from a population-based approach) because such an approach can further reflect assumptions regarding how future development is planned. It can also demonstrate how water usage patterns have evolved from what they were in the past as the Santa Clarita Valley approaches buildout.

### 2.2.1 Potable Water Use Projections

Potable water use projections are based on a combination of SCV Water and LACWWD 36 demands. For SCV Water's three retail water divisions, the potable demand forecast was determined from land-use-based estimates from 2020 through 2050 (buildout). The land use-based estimates were determined in a land use analysis that compiled data from planned development contracts and the OVOV General Plan. In general, the land use analysis leveraged the following information:

- Estimated dwelling units provided by City of Santa Clarita and Los Angeles County Planning Department,

- Land use-based GIS map shape files from City of Santa Clarita and Los Angeles County planners for determining the appropriate number of dwelling units and non-residential building area,
- Queries from GIS maps to determine dwelling units were multiplied by persons per household from the U.S. Census appropriate to each retailer’s service area,
- Monthly billing data by customer category (single-family, multi-family, non-residential, etc.),
- Climate and economic adjustment factors for normalizing demands, and
- Future demand factors.

The LACWWD 36 potable demand projections relied on a population-based approach using OVOV-based population estimates. Based on these estimates for SCV Water and LACWWD 36, potable demand projections were developed using a Least Cost Planning Decision Support System Model (DSS Model), which incorporates econometric-based adjustments to better develop an accurate forecast through the year 2050. The DSS Model accounts for existing and future potable water consumption by water customers and estimated passive and active water conservation savings. Demand adjustments include accounting for climate change, drought rebound, weather normalization, work-at-home trends, and overwatering/irrigation equipment efficiency degradation.

In addition, recent legislation provides that, where available, demand projections in the UWMP “shall” display and account for the water savings estimated to result from adopted codes, standards, ordinances, or transportation and land use plans identified by the urban water supplier, as applicable to the service area. If such information is reported, the verification will provide citations of the various codes, standards, ordinances, or transportation and land use plans utilized in making the projections. The UWMP must indicate the extent that the demand projections consider savings from codes, standards, ordinances, or transportation and land use plans (referred to as savings from passive conservation).

The demand forecast conducted for the UWMP, and incorporated herein, accounts for savings from passive conservation and active conservation. Passive conservation savings focus on plumbing code change impacts on indoor fixtures and include the following laws, codes, and regulations:

- National Plumbing Code (also known as the Energy Policy Act) – Passed in 1992, has long required more efficient plumbing fixtures to be for sale throughout the United States.
- Assembly Bill (AB) 715 – California Plumbing Code includes the new California Code of Regulations (CCR) Title 20 Appliance Efficiency Standards requiring High Efficiency Toilets and High Efficiency Urinals to be exclusively sold in the state by January 1, 2014.
- SB 407 and SB 837 – SB 407 addresses plumbing fixture retrofits on resale or remodel, requiring single family residential property owners of pre-1994 buildings or dwelling units to replace existing plumbing fixtures with water conserving fixtures by 2017 and multi-family and commercial property owners of pre-1994 buildings to replace fixtures by 2019. It also requires all owners to upgrade existing buildings upon any remodel initiated after January 1, 2014, and authorizes the enactment of local ordinances for greater water savings. SB 837 (enacted in 2011) requires that sellers of real estate property disclose in their Real Estate Transfer Disclosure Statement whether their property complies with these requirements. Both laws are intended to accelerate the replacement of older, low efficiency plumbing fixtures, and ensure that only high efficiency fixtures are installed in new residential and commercial buildings.

- 2019 CALGreen and 2015 California Code of Regulations Title 20 Appliance Efficiency Regulations – Fixture characteristics in the DSS Model are tracked in new accounts, which are subject to the requirements of the 2019 California Green Building Code and 2015 California Code of Regulations Title 20 Appliance Efficiency Regulations adopted by the California Energy Commission (CEC) on September 1, 2015. The CEC 2015 appliance efficiency standards apply to the following new appliances, if they are sold in California: showerheads, lavatory faucets, kitchen faucets, metering faucets, replacement aerators, wash fountains, tub spout diverters, public lavatory faucets, commercial pre-rinse spray valves, urinals, and toilets. The DSS Model accounts for plumbing code savings due to the effects these standards have on showerheads, faucet aerators, urinals, toilets, and clothes washers.
- AB 1881 – State Model Water Efficient Landscape Ordinance adopted by the City of Santa Clarita effective January 1, 2010; improves efficiency in water use in new and existing urban irrigated landscapes.

The conservation savings analysis includes SCV Water’s current active water conservation measures and also passive water savings such as indoor plumbing code measures as follows:

- |  |                                    |
|--|------------------------------------|
| • Fixture Retrofit on Resale or Water Account Change | • Smart Controller Rebates         |
| • New Development Submetering                        | • Irrigation Incentives            |
| • Landscape & Irrigation Codes                       | • Irrigation Check-Ups             |
| • Water Waste Implementation                         | • Pool Cover Rebates               |
| • AMI  | • Residential Check-Ups            |
| • Real Water Loss Reduction                          | • Hot Water on Demand Rebate       |
| • Education  | • CII Check-Ups                    |
| • Water Smart Workshop Credit                        | • CII HET and HEU Rebates          |
| • Landscape Transformation Incentives                | • High Efficiency Fixture Giveaway |
|  | • Schools Retrofits                |

This active conservation methodology is an update from SCV Water’s 2016 Water Use Efficiency Strategic Plan (WUESP) and the 2015 UWMP analysis. In 2018, the State of California legislature passed AB 1668 and SB 606 to support ‘Making Conservation a California Way of Life.’ The water conservation long-term framework (Framework) builds upon water use efficiency successes realized during implementation of SBx7-7, which required urban water suppliers to achieve, at a minimum, 20% reduction in gallons per capita day (GPCD) by 2020, where SCV Water customers achieved 24% reductions in GPCD by 2020. The framework will establish annual urban water use objectives for residential indoor and outdoor use, commercial dedicated irrigation use, and water loss. Additionally, the framework establishes water use performance standards for commercial, industrial, and institutional (CII) uses of water. The framework will start in 2024 with enforcement provisions scheduled to begin in 2027. In 2023, SCV Water will launch its water conservation planning updates to incorporate the framework and to identify smart strategies to achieve annual compliance. These efforts will have additional influence on reducing demands going forward, but conservatively are not currently included in the demand projections.

Table 2-3 provides a summary of the projected total water use for the SCV Water service area in a normal/average water year. Table 2-4 provides projected demands in a single-dry year and Table 2-5 provides demands in a multiple-dry year.

Additional details of the demand projections analysis are provided in the 2021 Maddaus Technical Memorandum (Maddaus 2021).

**TABLE 2-3**  
**SCV WATER PROJECTED NORMAL/AVERAGE YEAR DEMANDS (AFY)<sup>(a)(b)</sup>**

Year	2025	2030	2035	2040	2045	2050
<b>Total Water Use</b>	76,400	81,700	88,700	93,600	97,500	101,000

Source: Maddaus Water Management (MWM), Inc. 2021. Draft 2021 SCV Demand Study: Land-Use-Based Demand Forecast Analysis. April. Table 5-2 Estimated total demand with active conservation and plumbing code savings. Demands include climate change and recycled water.

<sup>a</sup> LACWWD 36 is included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

<sup>b</sup> Demands include the Project.

**TABLE 2-4**  
**SCV WATER PROJECTED SINGLE-DRY YEAR DEMANDS (AFY)<sup>(a)(b)(c)</sup>**

Year	2025	2030	2035	2040	2045	2050
<b>Total Water Use</b>	81,000	86,600	94,000	99,200	103,400	107,100

Source: WSV Table 5-3. Demands include savings from plumbing code and standards, and active conservation. Demands account for an estimated increase from climate change.

<sup>a</sup> LACWWD 36 is included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

<sup>b</sup> Demands include the Project

<sup>c</sup> Demands assume a 6% increase above normal demand during dry years.

**TABLE 2-5**  
**SCV WATER PROJECTED MULTIPLE-DRY YEAR DEMANDS (AFY)<sup>(a)(b)(c)</sup>**

Year	2025	2030	2035	2040	2045	2050
<b>Total Water Use</b>	77,830	83,620	90,570	95,780	99,670	102,870

Source: WSV Table 5-4.

<sup>a</sup> LACWWD 36 is included for purposes of providing regional completeness; however, it is not required to prepare an UWMP.

<sup>b</sup> Demands include the Project.

<sup>c</sup> Demands are weather adjusted for dry 1988-1992 hydrology.

## 2.3 Tesoro Del Valle (Areas B & C) Project Demands

Using SCV Water’s water demand factors from 2021 Maddaus Technical Memorandum, the total estimated water demand for the Project at build-out is approximately 847 AFY in an average/normal year. Water demand for the Project at build-out may increase by approximately six percent in a single dry year to a total of 898 AFY and approximately two percent in multiple-dry years to a total of 864 AFY, consistent with projections from SCV Water’s 2020 UWMP. The total estimated water demand for the Project at build-out is summarized in Table 2-6 below.

**TABLE 2-6**

<b>WATER DEMAND ESTIMATE - TESORO DEL VALLE (AREAS B &amp; C) DEVELOPMENT</b>			
<b>Projected Normal/Average Year Demands</b>			
<b>Unit</b>	<b># of Units</b>	<b>Unit Type</b>	<b>Demand (AFY)</b>
Single Family (<1 du/ac)	15	DU	7.29
Single Family (1-5 du/ac)	650	DU	309.62
HOA/Dedicated Irrigation	133.84	Acres	436.07
Developed Park	5.21	Acres	16.97
Senior Villa Lots (MF)	155	DU	77.39
	<b>Total Average Year Demands (AFY)</b>		<b>847</b>
	<b>Projected Single Dry Year Demands (AFY)</b>		<b>898</b>
	<b>Projected Multiple Dry Year Demands (AFY)</b>		<b>864</b>

**TABLE 2-7**  
**DEMAND FACTORS USED IN WATER SUPPLY VERIFICATION CALCULATIONS<sup>(a)</sup>**

<b>Land Use</b>	<b>Residential Indoor Demand (GPCD)</b>	<b>PPL/DU</b>	<b>Residential Outdoor Demand (Gal/Ac/Year)</b>	<b>Non-Residential Demand (Gal/TSF/Year)</b>
Single Family (<1 du/ac)	50	3.74	1,260,050	
Single Family (1-5 du/ac)	50	3.57	1,260,050	
Single Family (6-10 du/ac)	50	3.74	1,260,050	
Accessory Dwelling Unit	50	1	0	
Condo/Townhome	50	3.62	2,520,100	
Apartment	50	2.46	2,520,100	
Mobile Home	50	2.37	2,520,100	
Senior Living Facility	50	1.87	2,520,100	
HOA/Dedicated Irrigation			1,023,100	
Developed Park			1,023,100	
Commercial				90,000
Industrial Park				20,000
Institutional				330,000

Notes:

(a) Demand factors derived from 2020 UWMP and 2021 Maddaus Technical Memorandum.

## **Section 3: Existing and Projected Water Supplies**

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In determining whether a sufficient water supply exists for the Project this WSV considers the following factors:

1. The availability of water supplies over a historical record of at least 20 years.
2. The applicability of an urban water shortage contingency analysis prepared pursuant to Section 10632 of the Water Code that includes actions to be undertaken by the public water system in response to water supply shortages.
3. The reduction in water supply allocated to a specific water use sector pursuant to a resolution or ordinance adopted, or a contract entered into, by the public water system, as long as that resolution, ordinance, or contract does not conflict with Section 354 of the Water Code.
4. The amount of water that the water supplier can reasonably rely on receiving from other water supply projects, such as conjunctive use, reclaimed water, water conservation, and water transfer, including programs identified under federal, state, and local water initiatives, to the extent that these water supplies meet the criteria of subdivision (d).
5. Relevant groundwater-related analysis, e.g., adjudication, overdraft, and basin priority status.

Where this WSV relies on a water supply not currently available to SCV Water, as to those projected supplies, the WSV identifies the following, as applicable:

1. Written contracts or other proof of entitlement to an identified water supply;
2. Copies of a capital outlay program for financing the delivery of a water supply that has been adopted by the public water system;
3. Federal, state, and local permits for construction of necessary infrastructure associated with delivering the water supply; and
4. Any necessary regulatory approvals that are required in order to be able to convey or deliver the water supply.

In accordance with SB 221 (Government Code Section 66473.7(2)(A)), Section 2 of the 2020 UWMP (June 2020) and the 2019 Santa Clarita Valley Water Report summarize the total quantity of water used by SCV Water to meet water demand since importation of SWP water began in 1980. Also, Section 1.7, above, and Section 6 below, contain a list of documents with information related to the identification of the existing water supply entitlements, water rights, or water service contracts relevant to meet the Project's water demand, in addition to the existing and projected water supplies reported in the 2020 UWMP and the most recent 2019 and 2020 Santa Clarita Valley Water Reports.

SCV Water has existing water entitlements, rights, and contracts to meet demand as needed over a 25-year horizon and beyond and has committed sufficient capital resources and planned investments in various water programs and facilities to serve all its existing and planned customers. As discussed herein, SCV Water also has identified an operational strategy combined with a prudent and flexible management approach to ensure water supply reliability.

SCV Water's existing supplies include imported water, local groundwater, recycled water, and water from existing groundwater banking programs. Planned supplies not presently available include new groundwater production and recycled water system use expansion as well as additional banking programs. The mix of supplies can vary significantly depending on local and statewide hydrology, access to groundwater, and other factors. For example, in 2019, a wet year, imported water supplies made up 58%, groundwater 41%, and recycled water less than 1%. In 2020, dry hydrology and perchlorate and PFAS in local groundwater resulted in groundwater production making up approximately 26% of SCV Water's total supplies, imported water making up 39%, recycled water making up less than 1% of supplies, and existing banking and exchange programs making up approximately 34% of total supplies. A further description of the variability of the mix of supplies is included in Section 5.1 of this WSV.

### **3.1 Imported Water Supplies**

SCV Water's imported water supplies consist primarily of SWP supplies, which were first delivered to SCV Water (then CLWA) in 1980. From the SWP, SCV Water also has access to water from Flexible Storage Accounts in Castaic Lake, which are planned for dry-year use, but are not strictly limited as such. In addition to its SWP supplies, SCV Water has an imported supply from the Buena Vista Water Storage District (BVWSD) and Rosedale Rio-Bravo Water Storage District (RRBWSD) in Kern County, which was first delivered to SCV Water (then CLWA) in 2007. Additionally, Newhall Land and Farming Company (Newhall Land or NLF) (now also referred to as Five Point) has a water transfer supply from a source in Kern County, referred to as Nickel Water that is planned to be available beginning in 2035.

### **3.2 State Water Project Supplies**

#### **3.2.1 SWP Facilities**

The SWP is the largest state-built, multi-purpose water project in the country. It was authorized by the California State Legislature in 1959, with the construction of most initial facilities completed by 1973. Today, the SWP includes 28 dams and reservoirs, 26 pumping and generating plants, and approximately 660 miles of aqueducts. The primary water source for the SWP is the Feather River, a tributary of the Sacramento River. Storage released from Oroville Dam on the Feather River flows down natural river channels to the Sacramento-San Joaquin River Delta (Delta). While some SWP supplies are pumped from the northern Delta into the North Bay Aqueduct, the vast majority of SWP supplies are pumped from the southern Delta into the 444-mile-long California Aqueduct. The California Aqueduct conveys water along the west side of the San Joaquin Valley to Edmonston Pumping Plant, where water is pumped over the Tehachapi Mountains and the aqueduct then divides into the East and West Branches. SCV Water takes delivery of its SWP water at Castaic Lake, a terminal reservoir of the West Branch. From Castaic Lake, SCV Water delivers its SWP water supplies to its surface water treatment plants and then to its customers through an extensive transmission and distribution pipeline system.

#### **3.2.2 SWP Water Supply Contract Amendments**

##### **SWP Contract and Extension**

The Department of Water Resources (DWR) provides water supply from the SWP to 29 SWP Contractors (Contractors) in exchange for Contractor payment of all costs associated with providing that supply. DWR and each of the Contractors entered into substantially uniform long-term water supply contracts (Contracts) in the 1960s with 75-year terms. The first Contract terminates in 2035, and most of the remaining Contracts terminate within three years after that. SCV Water is one of the 29 Contractors that has an SWP Contract with DWR.



The majority of the capital costs associated with the development and maintenance of the SWP are financed using revenue bonds. These bonds have historically been sold with 30-year terms. It has become more challenging in recent years to affordably finance capital expenditures for the SWP because bonds used to finance these expenditures are limited to terms that only extend to the year 2035, fewer than 15 years from now. To ensure continued affordability of debt service to Contractors, it was necessary to extend the termination date of the Contracts to allow DWR to continue to sell bonds with 30-year terms.

Public negotiations to extend the Contracts took place between DWR and the Contractors during 2013 and 2014. An Agreement in Principle (AIP) was reached and was the subject of analysis under the requirements of the CEQA (Notice of Preparation dated September 12, 2014). On December 11, 2018, the DWR Director approved the Water Supply Contract Extension Project. In accordance with CEQA, DWR filed its Notice of Determination for the project with the Governor's Office of Planning and Research. In addition, DWR filed an action in Sacramento County Superior Court to validate the Contract Extension Amendments (<https://Water.ca.gov/Programs/State-Water-Project/Management/Water-Supply-Contract-Extension>).

After CEQA was completed and contract language was finalized, DWR and 22 contractors executed the Extension Amendment, including SCV Water, which executed the amendment in February 2019. The Extension Amendment extends the contracts through 2085 or the period ending with the latest maturity date of any bond issued to finance the construction costs of Project facilities, whichever is longer. The Extension Amendment improves the project's overall financial integrity and management. The Extension Amendment is the subject of a validation action and two CEQA lawsuits. However, the trial court in these cases ruled in favor of DWR on all causes of action. While an appeal is pending, the Extension Amendment took effect on January 1, 2023, and DWR has implemented the Extension Amendment.

### **Water Management Tools Contract Amendment**

In a December 2017 Notice to Contractors, DWR indicated its desire to supplement and clarify existing SWP Contract's water transfer and exchange provisions to provide improved water management among public water agencies (PWAs). The purpose was to seek greater flexibility to manage the system in order to address changes in hydrology and further constraints placed on DWR's operation of the SWP. To this end, PWAs and DWR conducted public negotiations in 2017 with the purpose of improving these water management tools (WMT). Importantly, the transfers and exchanges provided for in a WMT Contract amendment are limited to those transfers and exchanges between PWAs with SWP Contracts.

In June 2018, PWAs and DWR agreed upon an Agreement in Principle (AIP), which included specific principles to accomplish this goal. These principles included a process for transparency for transfers and exchanges, new flexibility for single and multi-year non-permanent water transfers, allowing PWAs to set terms of compensation for transfers and exchanges, and providing for the limited transfer of carryover and Article 21 water. The AIP was subsequently updated and finalized on May 20, 2019.

In October 2018, a Draft Environmental Impact Report (DEIR) was circulated based on the agreed upon AIP principles for a WMT Contract amendments. DWR certified the Final EIR in August 2020. Two court cases were filed challenging the EIR, as well as alleging public trust and Delta Reform Act violations. These cases are pending in the trial court. Despite these cases, the WMT Amendment became effective for those PWAs who executed the amendment on February 28, 2021. The transfer and exchange tools are available and will remain in effect unless there is a final court order that prohibits their continuation.

### **Delta Conveyance Project Agreement in Principle**

On March 29, 2021, as part of a public negotiation that began in 2019, DWR and PWAs agreed upon an Agreement in Principle for a Contract amendment on a Delta Conveyance Project (DCP). The objective of the DCP Agreement in Principle (DCP AIP) is to develop an agreement to equitably allocate costs and

benefits among SWP PWAs of a potential Delta Conveyance Facility that preserves operational flexibility. A decision by each participating PWA for approving a contract amendment with DWR would not occur until after the environmental review for the DCP is completed. The EIR is estimated to be finalized in early 2024.

### **3.2.3 SWP Water Supplies**

Each SWP contractor's SWP Contract contains a "Table A," which lists the maximum amount of contract water supply, or "Table A Water," an agency may request each year throughout the life of the contract. The Table A Amounts in each contractor's SWP Contract ramped up over time, based on projections at the time the contracts were signed and future increases in population and water demand, until they reached a maximum Table A Amount. Most contractor Table A Amounts reached their maximum levels in the early to mid-1990s. Table A Amounts are used in determining each contractor's proportionate share, or "allocation", of the total SWP Water supply DWR determines to be available each year.

The total planned annual delivery capability of the SWP and the sum of all contractors' maximum Table A Amounts was originally 4.23 million acre-feet (MAF). The initial SWP storage facilities were designed to meet contractors' water demands in the early years of the SWP, with the construction of additional storage facilities planned as demands increased. However, essentially no additional SWP storage facilities have been constructed since the early 1970s. SWP conveyance facilities were generally designed and have been constructed to deliver maximum Table A amounts to all contractors. After the permanent retirement of some Table A amount by two agricultural contractors in 1996, the maximum Table A Amounts of all SWP contractors now total about 4.17 MAF. Currently, SCV Water's annual Table A Amount is 95,200 AF,<sup>15</sup>

The primary supply of SWP water made available under the SWP Contracts is allocated Table A supply.

In addition to Table A supplies, the SWP Contracts provide for additional types of water that may periodically be available, including "Article 21" water and water made available through transfers from other SWP Contractors pursuant to the WMT amendment described above (amended Article 56). Article 21 water (which refers to the SWP Contract provision defining this supply) is water that may be made available by DWR when excess flows are available in the Delta (i.e., when Delta outflow requirements have been met, SWP storage south of the Delta is full and conveyance capacity is available beyond that being used for SWP operations and delivery of allocated and scheduled Table A supplies). Article 21 water is made available on an unscheduled and interruptible basis and is typically available only in average to wet years, generally only for a limited time in the late winter.

The availability of Article 21 water and water from transfers with other SWP Contractors can fluctuate significantly. When available, these supplies provide additional water that SCV Water may be able to use, either directly to meet demands or for later use after storage in its groundwater banking programs. Because of the fluctuations in availability of Article 21 water and water from transfers, supplies of these types of SWP water are not included in this WSV. However, to the extent SCV Water is able to make use of these supplies when available, SCV Water may be able to improve the reliability of its SWP supplies beyond the values used throughout the 2020 UWMP and this WSV.

While not specifically provided for in the SWP Contracts, DWR or the State Water Contractors have in dry years facilitated Dry Year Water Purchase Programs for contractors needing additional supplies. Through

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<sup>15</sup> SCV Water's original SWP Contract with DWR was amended in 1966 for a maximum annual Table A Amount of 41,500 AF. In 1991, SCV Water (CLWA at the time) purchased 12,700 AF of annual Table A Amount from a Kern County Water district, and in 1999 purchased an additional 41,000 AF of annual Table A Amount from another Kern County Water district, for a current total annual Table A Amount of 95,200 AF.

these programs, water is purchased from willing sellers in areas that have available supplies and is then sold to contractors willing to purchase those supplies. The availability of these supplies is annually variable and therefore they are not included in this WSV. However, SCV Water's access to these supplies when they are available would enable it to improve the reliability of its dry-year supplies beyond the values used throughout this WSV.

### **Flexible Storage Account**

As part of its SWP Contract with DWR, SCV Water has access to a portion of the storage capacity of Castaic Lake. This Flexible Storage Account allows SCV Water to utilize up to 4,684 AF of the storage in Castaic Lake for SCV Water. Any of this amount that SCV Water withdraws must be returned to storage by SCV Water within five years of its withdrawal. SCV Water manages this storage by keeping the account full in normal and wet years and then delivering that stored amount (or a portion of it) during dry periods. The account is refilled during the next year that adequate SWP supplies are available to SCV Water to do so. In 2005 and again in 2015, SCV Water negotiated with Ventura County SWP contractor agencies to obtain the use of their Flexible Storage Account. This allows SCV Water access to another 1,376 AF of storage in Castaic Lake. With the extension to the term of the agreement, SCV Water access to this additional storage is available on a year-to-year basis through 2025. While it is expected that SCV Water and Ventura County will extend the existing flexible storage agreement beyond the 2025 term, it is not assumed to be available beyond 2025 in the 2020 UWMP or this WSV.

### **Water Management Provisions**

The SWP Contract includes a number of provisions that give each contractor flexibility in managing the supplies that are available to it in a given year. For example, a contractor may take delivery of its allocated SWP supplies for direct use or storage within its service area, store that water outside its service area for later withdrawal and use within its service area, carry over a portion of that supply for storage on an as-available-basis in SWP reservoirs for delivery in following years (commonly referred to as "carryover"), exchange a portion of that supply with others for return in a future year, or transfer water with other PWAs pursuant to the newly approved WMT amendment. The SWP Contract also provides for DWR to deliver non-SWP water supplies for contractors through SWP conveyance facilities.

SCV Water takes advantage of these water management provisions in wetter years by storing excess SWP allocated water supply, either in groundwater banking programs or as carryover, or by exchanging supplies with another contractor or water agency. Then in drier years, SCV Water withdraws its previously stored supplies or recovers water from its exchange partner(s). Water stored in groundwater banking programs has the benefit of remaining available until needed, and the water SCV Water currently has in storage is assumed to be available as described in the 2020 UWMP and incorporated herein. At current demand levels, SCV Water also regularly stores a portion of any excess supply as carryover in SWP reservoirs, which can provide it with additional supply for use in following years. Carryover is a no-added-cost storage option, is an easily and quickly accessible supply, and is a valuable benefit if the next year is dry. However, SCV Water carryover water may be lost when SWP reservoirs fill, which can occur in wetter years. Although the carryover water is considered in the 2021-2025 water drought assessment, because of the variability in how frequently SWP reservoir space would be available to store SCV Water's carryover, it is not specifically included in other supply projections of the 2020 UWMP or this WSV.

### **3.2.4 Factors Affecting SWP Table A Supplies**

While Table A identifies the maximum annual amount of Table A Water a SWP contractor may request, the amount of SWP water actually available and allocated to SWP contractors each year is dependent on

a number of factors and can vary significantly from year to year. The primary factors affecting SWP supply availability include: the availability of water at the source of supply in northern California, the ability to transport that water from the source to the primary SWP diversion point in the southern Delta, and the magnitude of total contractor demand for that water.

### **Availability of SWP Source Water**

SWP supplies originate in northern California, primarily from the Feather River Watershed. The availability of these supplies is dependent on the amount of precipitation in the Watershed, the amount of that precipitation that runs off into the Feather River, water use by others in the Watershed, and the amount of water in storage in the SWP's Lake Oroville at the beginning of the year. Variability in the location, timing, amount, and form (rain or snow) of precipitation, as well as how wet or dry the previous year was, produces variability from year to year in the amount of water that flows into Lake Oroville. However, Lake Oroville acts to regulate some of that variability, storing high inflows in wetter years that can be used to supplement supplies in dry years with lower inflows.

In DWR's 2019 and 2021 State Water Project Delivery Capability Reports (2019/2021 DCR), climate change adds another factor in estimating the future availability of SWP source water. Current projections indicate that global warming may change precipitation patterns in California from the patterns that have occurred historically. While different climate change models show differing effects, potential changes are anticipated to include more precipitation falling in the form of rain rather than snow and earlier snowmelt, which would result in more runoff occurring in the winter and early spring rather than spread out over the winter and spring, creating challenges in capturing this runoff for later use in the SWP delivery system.

### **Ability to Convey SWP Source Water**

As discussed previously, water released from Lake Oroville flows down natural river channels into the Delta. The Delta is a network of channels and reclaimed islands at the confluence of the Sacramento and San Joaquin rivers. The SWP and the federal CVP use Delta channels to convey water to the southern Delta for diversion, making the Delta a focal point for water distribution throughout the state.

A number of issues affecting the Delta can impact the ability to divert water supplies from the Delta, including water quality, fishery protection and levee system integrity. Water quality in the Delta can be adversely affected by both SWP and CVP diversions, which primarily affect salinity, as well as by urban discharge and agricultural runoff that flows into the Delta, which can increase concentrations of constituents such as mercury, organic carbon, selenium, pesticides, toxic pollutants and reduce dissolved oxygen. The Delta also provides a unique estuarine habitat for many resident and migratory fish species, some of which are listed as threatened or endangered. The decline in some fish populations is likely the result of a number of factors, including water diversions, habitat destruction, degraded water quality, and the introduction of non-native species. Delta islands are protected from flooding by an extensive levee system. Levee failure and subsequent island flooding can lead to increased salinity requiring the temporary shutdown of SWP pumps. In addition, climate change analyses also project that salinity issues will increase with sea level rise, requiring extra Delta outflow to dilute more brackish Delta water to meet environmental standards.

In order to address some of these issues, SWP and CVP operations in the Delta are limited by a number of regulatory and operational constraints. These constraints are primarily incorporated into the SWRCB Water Rights Decision 1641 (D-1641), which establishes Delta water quality standards and outflow

requirements with which the SWP and CVP must comply. In addition, SWP and CVP operations are further constrained by requirements included in Biological Opinions (BOs) for the protection of threatened and endangered fish species in the Delta issued by the FWS in December 2008 and the NMFS in June 2009, and most recently in 2019 by the FWS as described in Section 4.2. The requirements in the BOs are based on real-time physical and biological phenomena (such as turbidity, water temperature, and location of fish), which results in uncertainty in estimating potential impacts on supply of the additional constraints imposed by the BOs.

### **Demand for SWP Water**

The reliability of SWP supplies is affected by the total amount of water requested and used by SWP contractors, since an increase in total requests increases the competition for limited SWP supplies. As previously mentioned, contractor Table A Amounts in the SWP Contracts ramped up over time, based on projected increases in population and water demand at the time the contracts were signed. Urban SWP contractors' requests for SWP water were low in the early years of the SWP, but have increased steadily over time, although more slowly than the initial ramp-up in their Table A Amounts, which reached a maximum for most contractors in the early to mid-1990s. Since that time, urban contractors' requests for SWP water have continued to increase until recent years when nearly all SWP contractors are requesting their maximum Table A Amounts.

Consistent with other urban SWP contractors, SWP deliveries to SCV Water have increased as its requests for SWP water have increased. Historical total SWP deliveries to SCV Water are shown in the 2020 UWMP.<sup>16</sup> The table shows deliveries to the SCV Water service area for supply to the purveyors, as well as delivery of SCV Water supplies to storage programs outside the service area and to exchange partners. SCV Water demand projections provided to DWR are typically conservative in order to maximize water deliveries available to SCV Water in any given year for both deliveries and to current and future storage programs.

### **3.2.5 Biological Opinion**

In late 2019, the FWS and NMFS issued new Biological Opinions (BOs) for the Long-Term Operation of the CVP and SWP. Consultation on the BOs began in 2016 to update the prior 2008 and 2009 BO and provide Federal Endangered Species Act (ESA) compliance for the CVP and SWP. Additionally, in early 2020, the California Department of Fish and Wildlife (DFW) issued DWR an Incidental Take Permit for the Long-Term Operation of the SWP pursuant to the California Endangered Species Act (CESA) with regards to state-protected longfin smelt and state- and federally protected delta smelt, winter-run Chinook and spring-run Chinook. Previously, DFW had issued the SWP an Incidental Take Permit for the state-listed longfin smelt and Consistency Determinations with the 2008 and 2009 Biological Opinions for the state and federally listed species, not a separate permit. Some of the operational restrictions in the 2019 Biological Opinions differ from those in the 2020 Incidental Take Permit. Specifically, even though the projects' operations are coordinated, the SWP is subject to additional operational constraints that reduce SWP supplies and create operational conflicts. Both the 2019 BOs and the 2020 Incidental Take Permit are subject to multiple court challenges that are ongoing.

**Biological Opinion Litigation.** Two cases were filed challenging the BOs under the ESA, Administrative Procedure Act, and National Environmental Policy Act (NEPA). The first case, *Pacific Coast Federation of Fisherman's Association, et al. v. Ross* (Case No. 1:20-CV-00431-DAD-SAB ("*PCFFA v. Ross*"), was

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<sup>16</sup> SCV Water 2020 Urban Water Management Plan – Table 4-3

brought by six environmental organizations. The second case, California Natural Resources Agency, et al. v. Ross (Case No. 1:20) (“CNRA v. Ross”), was brought by the California Natural Resources Agency (CNRA), the California Environmental Protection Agency, and the California Attorney General. The State’s case includes a cause of action under CESA alleging that the federal CVP must comply with CESA. The cases were coordinated and transferred to the Eastern District. State and federal water contractors have intervened as defendants in both cases. On October 1, 2021, the federal agencies announced re-initiation of consultation on the BOs, which is currently in progress. The court has adopted a series of Interim Operations Plans (IOP) that are more restrictive than the BOs under certain water conditions, the latest of which was adopted on February 24, 2023, and will remain in effect until December 31, 2023. It is possible that an additional IOP will be issued when the current one expires while the consultation continues.

**CESA Incidental Take Permit Litigation.** Eight cases, listed below, have been filed in state court by public agencies, environmental organizations, and a Native American tribe challenging DWR’s approval of the Long-Term Operations of the SWP and associated environmental review. Most of the cases also challenge CDFW’s issuance of an Incidental Take Permit for the SWP.

*North Coast Rivers Alliance, et al. v. Department of Water Resources, et al.*, County of San Francisco Superior Court Case No. CPF-20-517078, filed April 28, 2020;

*State Water Contractors, et al. v. California Department of Water Resources, et al.*, County of Fresno Superior Court Case No. 20CECG01302, electronically filed April 28, 2020;

*Tehama-Colusa Canal Authority, et al. v. California Department of Water Resources, et al.*, County of Fresno Superior Court Case No. 20CECG01303, electronically filed April 28, 2020;

*The Metropolitan Water District of Southern California, et al. v. California Department of Water Resources, et al.*, County of Fresno Superior Court Case No. 20CECG01347, electronically filed April 28, 2020;

*Sierra Club, et al. v. California Department of Water Resources*, County of San Francisco Superior Court Case No. CPF-20-517120, filed April 29, 2020;

*Central Delta Water Agency, et al. v. California Department of Fish and Wildlife, et al.*, County of Sacramento Superior Court Case No. 34-2020-80003368, filed May 6, 2020;

*San Bernardino Valley Municipal Water District v. California Department of Water Resources, et al.*, County of Fresno Superior Court Case No. 20CECG01556, filed May 28, 2020;

*San Francisco Baykeeper, et al. v. California Department of Water Resources, et al.*, County of Alameda Superior Court Case No. RG20063682, filed June 5, 2020.

The challenges are raised on several legal grounds, including CESA, California Environmental Quality Act, the Delta Reform Act, Public Trust Doctrine, area of origin statutes, breach of contract, and breach of covenant of good faith and fair dealing. All eight cases have been coordinated in Sacramento County Superior Court.

Litigation over the 2019 BOs and 2020 Incidental Take Permit will likely take several years. The projects began operating in accordance with the new requirements in 2020. Throughout implementation, any party may seek preliminary injunctive relief during the litigation, such as that described above. It is likely that the 2019 BOs and 2020 Incidental Take Permit, or some form of interim operations, will govern operations until final judicial determinations on the merits are made or the reinitiated consultation results in a new

Biological Opinion and amended Incidental Take Permit. Thus, it is unlikely that SWP water supply would increase beyond that resulting from the limitations in the 2019 BOs and 2020 Incidental Take Permit during this timeframe.

### **3.2.6 SWP Table A Supply Assessment**

DWR prepares a biennial report to assist SWP contractors and local planners in assessing the availability of supplies from the SWP. DWR issued the 2019 DCR, in August 2020. In this update, DWR provided SWP supply estimates for SWP Contractors to use in their planning efforts, including for use in their 2020 UWMPs. The 2019 DCR included DWR's estimates of SWP water supply availability under both existing (2020) and future conditions (2040).

DWR's estimates of SWP deliveries are based on a computer model that simulates monthly operations of the SWP and Central Valley Project systems. Key inputs to the model include the facilities included in the system, hydrologic inflows to the system, regulatory and operational constraints on system operations, and contractor demands for SWP water. In conducting its model studies, DWR must make assumptions regarding each of these key inputs.

In the 2019 DCR for its model study under existing conditions, DWR assumed: existing facilities, hydrologic inflows to the model based on 82 years of historical inflows (1922 through 2003), current regulatory and operational constraints including 2018 Coordinated Operation Agreement Amendment, 2019 BOs and 2020 Incidental Take Permit, and contractor demands at maximum Table A Amounts. The long-term average allocation reported in the 2019 DCR for the existing conditions study provides an appropriate estimate of the SWP water supply availability under current conditions.

To evaluate SWP supply availability under future conditions, the 2019 DCR included a model study representing hydrologic and sea level rise conditions in the year 2040. The future condition study used all the same model assumptions as the study under existing conditions, but reflected changes expected to occur from climate change, specifically, projected temperature and precipitation changes centered around 2035 (2020 to 2049) and a 45 cm sea level rise. For the long-term planning purposes of the 2020 UWMP, the long-term average allocations reported for the future conditions study from 2019 DCR was the most appropriate estimate of future SWP water supply availability. Since this time, the new 2021 DCR has been finalized and is now the most appropriate to estimate future SWP supply availability. The future conditions study in the 2021 DCR reflected changes expected to occur from climate change, specifically, projected temperature and precipitation changes centered around a 55 cm sea level rise. The new 2021 DCR estimates are utilized in this WSV as described in the following section.

### **3.2.7 SWP Water Supply Estimates**

Each year by October 1, SWP contractors submit their requests for SWP supplies for the following calendar year. By December 1, DWR estimates the available water supply for the following year and sets an initial supply allocation based on the total of all contractors' requests, current reservoir storage, forecasted hydrology through the next year, and target reservoir storage for the end of the next year. Of these, the most difficult factor to evaluate is the forecasted hydrology. In setting water supply allocations, DWR uses a conservative 90% hydrologic forecast, where nine out of ten years will be wetter and one out of ten years drier than assumed. DWR re-evaluates its estimate of available supplies throughout the runoff season of winter and early spring, using updated reservoir storage and hydrologic forecasts, and revises SWP supply allocations as warranted. Since most of California's annual precipitation falls in the winter and early spring, by the end of spring the supply available for the year is much more certain, and in most years DWR issues its final SWP allocation by this time. While most of the water supply is certain by this time, runoff in the late fall remains somewhat variable as the next year's runoff season begins. A drier than forecasted fall can

result in not meeting end-of-year reservoir storage targets, which means less water available in storage for the following year.

Water year 2013 was a year with two hydrologic extremes. October through December 2012 was one of the wettest fall periods on record but was followed by the driest consecutive 12 months on record. The supply allocation for 2013 was a 35% allocation. However, the 2013 hydrology ended up being even drier than DWR's conservative hydrologic forecast, so the SWP began 2014 with reservoir storage lower than targeted levels and less stored water available for 2014 supplies. Compounding this low storage situation, 2014 also was a critically dry year, with runoff for water year 2014 the fourth driest on record.

The exceedingly dry sequence from the beginning of January 2013 through the end of 2014 was one of the driest two-year periods in the historical record, resulting in the first ever and lowest 5% SWP Allocation in 2014. The dry-year sequence in 2020 through 2021 also represents an extreme hydrologic event in terms of temperature and precipitation. Water Year 2020 was California's fifth driest year on record based on statewide runoff, followed by Water Year 2021 which was the second driest year and warmest year on record, resulting in the second lowest 5% SWP Allocation in 2021. Hydrologic impacts from 2021 continued into 2022 resulting in the third lowest 5% SWP Allocation. The warmer temperatures in 2014 and 2021 resulted in an increased climatic water deficit. This historical data has shown that California's climate is transitioning to a much warmer setting where historical relationships among temperature, precipitation and runoff are changing, and these conditions may become more frequent. The assumption for SCV Water in the 2020 UWMP was that a 5% allocation in 2014 and 2021 represents the "worst-case" scenario. These assumptions have since been updated to align with the more recent 2021 DCR and SCV Water continues to utilize a more conservative approach for the "worst-case" scenario reflected in Table 3-1. In contrast, dry conditions were expected to continue through 2023, but drastically shifted in December 2022 and continued into 2023 resulting in a 100% SWP Allocation.

The 2020 UWMP reflected information from DWR's 2019 DCR. The report was based on DWR's CALSIM 2 model that utilizes a repeat of the historic hydrologic period of 1922 through 2003. DWR's analysis of existing (2020) conditions was used to estimate SWP supplies between 2020 and 2040 and its analysis of future (2040) conditions is used to estimate 2040-2050 SWP supplies. SWP supplies for the five-year increments between 2020 and 2040 are interpolated between these values. SWP supplies for years beyond 2040 are assumed to be the same as for 2040.

In September 2022, DWR released its Final 2021 DCR. This report is based on DWR's new CALSIM 3 model that extends the hydrologic period through 2015 thus incorporating the historic dry years of 2014 and 2015 but does not include the wet years in 2017 and 2019. This report reduced the 2020 average reliability from 58% to 56% and down to 52% for future average reliability. Thus, the SWP reliability shown in Table 3-1 reflects reduced reliability of 56% in 2020 and other year's supplies are interpolated between 2020 and 2040 values. The new findings of the 2021 DCR were incorporated into the evaluation of this WSV.

The 2021 DCR also reduced the single dry year delivery capability in 2020 to 6% with future reliability down to 4%. SCV Water has decided to use a more conservative approach in calculating our SWP deliveries in single dry years, assuming no guarantee of carryover water, thus using a 3% current allocation and dropping to 2% in the future. This is reflected in Table 3-1.

The 2021 DCR did not provide Table A allocations for each individual year that would enable a re-analysis of the five-year multiple dry year period. The report does contain a summary of a six-year drought that indicates an average allocation of 25% of Table A amounts. That is the same average value that was used



in the 2020 UWMP. Thus, for purposes of this WSV, Table 3-1 reflects the same five-year multiple dry year analysis.

<b>Table 3-1</b>					
<b>SWP TABLE A SUPPLY RELIABILITY (AF)<sup>(a)(b)</sup></b>					
<b>Wholesaler (Supply Source)</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040-2050</b>
<b>Average Water Year<sup>(c)</sup></b>					
SWP Table A Supply	53,312	52,360	51,408	50,456	49,504
% of Table A Amount <sup>(d)</sup>	56%	55%	54%	53%	52%
<b>Single-Dry Year<sup>(e)</sup></b>					
SWP Table A Supply	2,856	2,618	2,380	2,142	1,904
% of Table A Amount <sup>(d)</sup>	3%	3%	3%	2%	2%
<b>Multiple-Dry Year<sup>(f)</sup></b>					
SWP Table A Supply	23,800	23,800	23,800	23,800	23,800
% of Table A Amount <sup>(d)</sup>	25%	25%	25%	25%	25%

Notes:

- (a) Supplies to SCV Water are based on DWR analyses presented in its 2021 Final DCR, assuming existing SWP facilities and current regulatory and operational constraints (except as otherwise indicated in Note f).
- (b) Table A supplies include supplies allocated in one year that are carried over for delivery the following year.
- (c) Based on average deliveries over a repeat of the study's historic hydrologic period of 1922 through 2015 from 2021 DCR.
- (d) Supply as a percentage of SCV Water's Table A Amount of 95,200 AF.
- (e) SCV Water's more conservative approach for single dry year assumptions which do not assume carryover supplies. Percent allocations extrapolated out and rounded in table, but Table A Supply is reflective of decimal percentages.
- (f) Supplies shown are annual averages over five consecutive dry years, based on a repeat of the historic five-year dry period of 1988-1992.

### **3.2.8 Coordinated Operations Agreement**

The Coordinated Operation Agreement (COA) was originally signed in 1986 and defines how the state and federal water projects share the available water supply and the obligations including senior water right demands, water quality and environmental flow requirements imposed by regulatory agencies. The agreement calls for periodic review to determine whether updates are needed in light of changed conditions. After completing a joint review process, DWR and the Bureau of Reclamation agreed to an addendum to the COA in December 2018, to reflect water quality regulations, biological opinions and hydrology updated since the agreement was signed.

The COA Addendum includes changes to the percentages for sharing responsibilities for in basin uses, sharing available export capacity, and the review process. The 1986 Agreement required CVP to meet 75% of the in basin uses and the SWP to meet 25%. The COA Addendum now distinguishes responsibility based on water year type and CVP responsibilities range from 80% in wet years to 60% in critical years. SWP responsibility ranges from 20% in wet years to 40% in critical years. Additionally, the COA Addendum changed sharing export capacity. Previously, export capacity was shared 50% to CVP and 50% to SWP. The COA addendum changed this formula to be 65% CVP and 35% SWP during balanced conditions and

60% CVP and 40 % SWP during excess conditions. Overall, based on modeling, these changes result in an approximately 115,000 AFY on average reduction in SWP supplies.

Finally, the 2018 COA Addendum updated the review process to require review of the COA Agreement and Addendum every 5 years.

### **3.2.9 Delta Conveyance Project**

Consistent with Executive Order N-10-19, in early 2019, the state announced a new single tunnel project, which proposed a set of new diversion intakes along Sacramento River in the north Delta for the SWP. In 2019, DWR initiated planning and environmental review for a single tunnel DCP to protect the reliability of SWP supplies from the effects of climate change and seismic events, among other risks. DWR's current schedule for the DCP environmental planning and permitting extends through the end of 2024. DCP will potentially be operational in 2040 following extensive planning, permitting and construction.

DWR estimates of SWP supply reliability in its 2019 and 2021 DCR are based on existing facilities, and so do not include the proposed conveyance facilities that are part of the DCP. Since the 2020 UWMP uses DWR's 2019 DCR to estimate SWP supplies at 2040, any changes in SWP supply reliability that would result from the proposed DCP are not included in the UWMP. If the DCP is implemented, SWP reliability would improve, but to be conservative, that analysis is not incorporated in this WSV. The planning costs associated with the DCP are included in SCV Water's most recently adopted budget. If the DCP moves forward, the future capital and operating costs would be included in the SCV Water's State Water Project Statement of Charges. SCV Water has the ability to set the ad valorem tax rate by which these costs would be paid within its service area.

### **3.2.10 Emergency Freshwater Pathway Description (Sacramento-San Joaquin Delta)**

It has been estimated by DWR that in the event of a major earthquake in or near the Delta, water supplies could be interrupted for up to three years, posing a significant and unacceptable risk to the California business economy. A post-event strategy would provide necessary water supply protections to avert this catastrophe. Such a plan has been coordinated through DWR, Corps of Engineers (Corps), Reclamation, California Office of Emergency Services (Cal OES), the Metropolitan Water District of Southern California, and the State Water Contractors.

**DWR Delta Flood Emergency Management Plan:** The Delta Flood Emergency Management Plan (DWR, 2018) provides strategies for response to Delta levee failures, up to and including earthquake-induced multiple island failures during dry conditions when the volume of flooded islands and saltwater intrusion are large, resulting in curtailment of export operations. Under these severe conditions, the plan includes a strategy to establish an emergency freshwater pathway from the central Delta along Middle River and Victoria Canal to the export pumps in the south Delta. The plan includes the repositioning of emergency construction materials at existing and new stockpile and warehouse sites in the Delta, and development of tactical modeling tools (DWR Emergency Response Tool) to predict levee repair logistics, timelines of levee repair and suitable water quality to restore exports. The Delta Flood Emergency Management Plan has been extensively coordinated with state, federal and local emergency response agencies. DWR, in conjunction with local agencies, the Corps and Cal OES, conduct tabletop and field exercises to test and revise the plan under real time conditions.

DWR and the Corps provide vital Delta region response to flood and earthquake emergencies, complementary to Cal OES operations. These agencies perform under a unified command structure and

response and recovery framework. The Northern California Catastrophic Flood Response Plan (Cal OES, 2018) incorporates the DWR Delta Flood Emergency Management Plan. The Delta Emergency Operations Integration Plan (DWR and USACE, 2019) integrates personnel and resources during emergency operations.

**Pathway Implementation Timeline:** The Delta Flood Emergency Management Plan has found that using pre-positioned stockpiles of rock, sheet pile and other materials, multiple earthquake-generated levee breaches and levee slumping along the freshwater pathway can be repaired in less than six months. A supplemental report (Levee Repair, Channel Barrier, and Transfer Facility Concept Analyses to Support Emergency Preparedness Planning, M&N, August 2007) evaluated among other options, the placement of sheet pile to close levee breaches, as a redundant method if availability of rock is limited by possible competing uses. The stockpiling of sheet pile is vital should more extreme emergencies warrant parallel and multiple repair techniques for deep levee breaches. Stockpiles of sheet pile and rock to repair deep breaches and an array of levee slumping restoration materials are stored at DWR and Corps stockpile sites and warehouses in the Delta.

**Emergency Stockpile Sites and Materials:** DWR has acquired lands at Rio Vista and Stockton as major emergency stockpile sites, which are located and designed for rapid response to levee emergencies. The sites provide large loading facilities, open storage areas and new and existing warehousing for emergency flood fight materials, which augment existing warehousing facilities throughout the Delta. The Corps maintains large warehousing facilities in the Delta to store materials for levee freeboard restoration, which can be augmented upon request of other stockpiles in the United States. Pre-positioned rock and sheet pile are used for closure of deep levee breaches. Warehoused materials for rapid restoration of slumped levees include muscle (k-rail) walls, super sacks, caged rock containers, sandbags, stakes, and plastic tarp. Stockpiles will be augmented as materials are used.

**Emergency Response Drills:** Earthquake-initiated multiple island failures will mobilize DWR and Corps resources to perform Delta region flood fight activities within an overall Cal OES framework. In these events, DWR and the Corps integrate personnel and resources to execute flood fight plans through the Delta Emergency Operations Integration Plan (DWR and USACE, 2019). DWR, the Corps and local agencies perform emergency exercises focusing on communication readiness and the testing of mobile apps for information collection and dissemination. The exercises train personnel and test the readiness of emergency preparedness and response capabilities under unified command and provide information to help to revise and improve plans.

**Levee Improvements and Prioritization:** The DWR Delta Levees Subventions and Special Projects Programs have prioritized, funded, and implemented levee improvements along the emergency freshwater pathway and other water supply corridors in the central and south Delta. These efforts are complementary to the Delta Flood Emergency Management Plan, which along with pre-positioned emergency flood fight materials, ensures reasonable seismic performance of levees and timely pathway restoration after a severe earthquake. These programs have been successful in implementing a coordinated strategy of emergency preparedness to the benefit of SWP and CVP export systems.

Significant improvements to the central and south Delta levees systems along Old and Middle Rivers began in 2010 and are continuing to the present time. This complements substantially improved levees at Mandeville and McDonald Islands and portions of Victoria and Union Islands. Levee improvements along the Middle River emergency freshwater pathway and Old River consist of crest raising, crest widening, landside slope fill and toe berms, which improve seismic stability, reduce levee slumping, and create a more robust flood-fighting platform. Urban agencies, including Metropolitan, Contra Costa Water District, East Bay Municipal Utility District, and others have participated in levee improvement projects along or near the Old and Middle River corridors.

### **3.2.11 Sisk Dam Raise and San Luis Reservoir Expansion**

Reclamation and San Luis & Delta Mendota Water Authority (SLDMWA) are proposing to raise Sisk Dam and increase storage capacity in San Luis Reservoir. The proposed 10-foot dam raise is in addition to the ongoing 12-foot raise of Sisk Dam to improve dam safety and would expand San Luis Reservoir storage by 130 thousand AF. The final supplemental EIS/EIR, released on December 18, 2020, estimated that the SWP exports could potentially reduce by about 23 thousand AFY on average under the preferred alternative. This project is currently undergoing design, environmental planning, and permitting. Construction is estimated to be completed by 2030, following environmental planning and permitting.

DWR estimates of SWP supply reliability in its 2019 DCR are based on existing facilities, and do not include this project.

### **3.2.12 SWP Seismic Improvements**

DWR's recent SWP seismic resiliency efforts have focused heavily on SWP Dam Safety. The most prominent is the joint Reclamation/DWR corrective action study of Sisk Dam which will result in a massive seismic stability alteration project and is expected to begin construction in 2022. Several analyses have been conducted on SWP dam outlet towers/access bridges which has resulted in seismic upgrades (some completed/some on-going). Castaic Reservoir outlet towers were determined to be vulnerable to a major earthquake. DWR has recently performed seismic retrofits to the access bridge to the Castaic outlet tower, completing the work in November 2021. Updated dam seismic safety evaluations are being performed on the Oroville Dam embankment and the radial gate control structure on the flood control spillway.

Seismic retrofits have also been completed on 23 SWP bridges located in four Field Divisions with additional retrofits in various development stages. DWR has also updated the earthquake notification procedures and has replaced and expanded instrumentation for the SWP's seismic network.

### **3.2.13 Water Quality Control Plan/Voluntary Agreement**

The State Water Board is responsible for adopting and updating the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary (Bay-Delta Plan), which establishes water quality control objectives and flow requirements needed to provide reasonable protection of beneficial uses in the Watershed. The State Water Board has been engaged for many years in updating the Bay Delta Plan.

The Bay-Delta Plan is being updated through phases. Phase 1 is updating the Bay-Delta Plan objectives for the San Joaquin River and its major tributaries and the southern Delta salinity objectives. Phase 2 is updating the objectives for the Sacramento River and Delta and their major tributaries. (Plan amendments). On December 12, 2018, through State Water Board Resolution No. 2018-0059, the State Water Board adopted the Phase 1 Plan amendments and Final Substitute Environmental Document (SED) establishing the Lower San Joaquin River flow objectives and revised southern Delta salinity objectives. On February 25, 2019, the Office of Administrative Law approved the Plan amendments. The amended Plan requires an adaptive range of 30-50 percent of the unimpaired flow to be maintained from February through June in the Stanislaus, Tuolumne, and Merced Rivers, with a starting point of 40 percent of the unimpaired flow. During this same time period, the flows at Vernalis on the San Joaquin River, as provided by the unimpaired flow objective, are required to be no lower than a base flow of 1,000 cubic feet per second (cfs), with an adaptive range between 800 and 1,200 cfs, inclusive. Phase 1 plan amendments are the subject of litigation.

The State Water Board is also considering Phase 2 Plan amendments focused on the Sacramento River and its tributaries, Delta eastside tributaries (including the Calaveras, Cosumnes, and Mokelumne rivers), Delta outflows, and interior Delta flows. Staff is recommending an adaptive range of 45-65 percent Unimpaired Flow (UIF) objective with a starting point of 55 percent. Once the State Water Board adopts Phase 2 Plan amendments, the Board will need to conduct hearings to determine, consistent with water rights, water users' responsibilities for meeting the objectives in both Phase 1 and 2. At this time, the potential impacts to the SWP are unknown, but this objective would have a large impact on water users in the Phase 2 planning area.

The State and several water users began working on an alternative to the Bay-Delta Plan update in 2018, known as the Voluntary Agreement process. The Voluntary Agreement process offers an alternative to the State Water Board staff's flow only approach. A Voluntary Agreement, if agreed to by the State Water Board, would be a substitute for the UIF approach and would become the Program of Implementation for the Plan amendments. Implementing the Voluntary Agreement would not require a water rights hearing because the parties are agreeing to take the actions. The Voluntary Agreement approach would provide flow, and funding for flows, habitat actions, and a robust science program. The Voluntary Agreement approach could provide an opportunity to combine flow and habitat actions to protect public trust resources, while providing certainty for water users. If successful, it provides a pathway to avoid years of hearings and litigation. The Voluntary Agreement approach is described as one potential approach in a recently released draft State Board staff report.

### **3.2.14 Delta Reliance**

Approximately half of SCV Water's water supply comes from the Delta. The 2020 UWMP Guidebook describes how urban water suppliers that anticipate participating in or receiving water from a "covered action" related to the Delta should provide information in their 2020 UWMPs to demonstrate consistency with *Delta Plan Policy WR P1, Reduce Reliance on the Delta Through Improved Regional Water Self-Reliance* (Reduced Reliance Policy). SCV Water completed such documentation which is included in Appendix K of the 2020 UWMP.

### **3.2.15 Other Imported Supplies**

The following supplies are available to SCV Water through agreements that have been executed since 2005. These supplies are now part of the imported supplies available to the service area.

### **3.2.15.1 Buena Vista-Rosedale Rio Bravo**

SCV Water has executed a long-term transfer agreement for 11,000 AFY with BVWSD and RRBWSD. These two districts, both located in Kern County, joined together to develop a program that provides both a firm water supply and a water banking component. Both districts are member agencies of the Kern County Water Agency (KCWA), a SWP contractor, and both districts have contracts with KCWA for SWP Table A Amounts. The supply is based on existing long-standing Kern River water rights held by BVWSD and is delivered by exchange of the two districts' SWP Table A supplies or directly to the California Aqueduct via the Cross Valley Canal. This water supply is firm; that is, the total amount of 11,000 AFY is available in all water year types based on the Kern River Water right. SCV Water began taking delivery of this supply in 2007 and can continue to take deliveries through 2036 with options to extend further. The cost for this agreement is included in SCV Water's most recently adopted budget.

SCV Water has entered into agreements that reserved 3,378 AF of the Buena Vista-Rosedale Rio Bravo water for potential annexations into its service area. 489 AF has been reserved for the Tapia Ranch development with development estimated to be completed in the late 2020s. 2,500 AF is reserved for the planned Legacy Village development. This development is assumed to occur after 2030 but before 2035. During the periods before demands for these developments occur, or if these developments occur but do not use all the amounts reserved for them in any year or years, the remaining supply would be available to the entire SCV Water service area.

### **3.2.15.2 Nickel Water – Newhall Land**

Newhall Land (NLF) has acquired a water supply from Kern County sources known as the Nickel water. This source of supply totals 1,607 AFY. As provided in its water purchase agreement, the Nickel water provides a firm source of supply and is available in all hydrologic water year types. This source of supply was acquired in anticipation of the development of the Newhall Ranch Specific Plan Development. Newhall Land currently stores the annual supply of Nickel water in its Semitropic Water Storage District Water Banking Program. Per agreement and upon completion of the Newhall Ranch Specific Plan, Newhall Land will transfer its rights to this supply to SCV Water. In the 2020 UWMP, it is assumed for planning purposes that Newhall Ranch will be developed and that this water supply will be transferred to SCV Water in 2035 (i.e., the assumed completion of the Newhall Ranch Specific Plan), thereafter becoming available as an annual supply to SCV Water. Prior to any permanent transfer to SCV Water, Newhall Land may make this supply available to SCV Water for purchase. However, because there is no history of such purchases, the 2020 UWMP, and this WSV, does not assume this Nickel water will be generally available to meet SCV Water demands until 2035. Further, SCV Water is not aware of any agreement that Newhall Land has entered into to sell this water to other public water systems prior to the transfer of the Nickel water to SCV Water.

SCV Water and NLF will monitor the use and storage of Nickel water. SCV Water is required to undertake this effort to manage its overall supply portfolio, to meet SCV Water's obligations under applicable state law, and at the request of the County of Los Angeles in the Specific Plan EIR. Based on current estimates, the Nickel water and the stored water in the Semitropic bank provide adequate reserves for potential future needs within the Specific Plan area. Under the Specific Plan EIR, NLF is to transfer Nickel water from its Semitropic Water Bank to make up a shortfall.

### **3.2.15.3 Yuba Accord Water**

In 2008, SCV Water entered into the Yuba Accord Agreement, which allows for the purchase of water from the Yuba County Water Agency through DWR to 21 SWP contractors (including SCV Water) and the San Luis and Delta-Mendota Water Authority. Yuba Accord water comes from north of the Delta, and the water purchased under this agreement is subject to losses associated with transporting it through the Delta. These losses can vary from year to year, depending on Delta conditions at the time the water is transported. Under the agreement, an estimated average of up to 1,000 AFY of non-SWP supply (after losses) is available to SCV Water in dry years, through 2025. In 2021, with a SWP allocation of 5% of Table A Amount, a supply of 1,640 AF north of the Delta is available to SCV Water (based on September 27, 2021, estimate). Under certain hydrologic conditions, additional water may be available to SCV Water from this program. SCV Water received 748 AF from this source in 2022.

## **3.3 Groundwater**

This section presents information about groundwater supplies, including a summary of the previously adopted groundwater management plan (GWMP) along with the recently adopted GSP.

### **3.3.1 Santa Clara River Groundwater Basin – East Subbasin**

The sole source of local groundwater for urban water supply in the Valley is the groundwater Basin identified in the DWR Bulletin 118 (DWR 2016) as the Santa Clara River Valley Groundwater Basin, East Subbasin (Basin) (Basin No. 4-4.07). The un-adjudicated Basin is comprised of two aquifer systems, the Alluvium and the Saugus Formation. The Alluvium generally underlies the Santa Clara River and adjacent areas, including its several tributaries, to maximum depths of about 200 feet; and the Saugus Formation underlies practically the entire Upper Santa Clara River (USCR) area, to depths of at least 2,000 feet. There are also some scattered outcrops of Terrace deposits in the Basin that likely contain limited amounts of groundwater. However, since these deposits are located in limited areas situated at elevations above the regional water table and are also of limited thickness, they are of no practical significance as aquifers for municipal water supply; consequently, they have not been developed for any significant water supply in the Basin and are not included as part of the existing or planned groundwater supplies described in this WSV. The Basin is defined in Bulletin 118 as being bordered on the north by the Piru Mountains, on the west by impervious rocks of the Modelo and Saugus Formations and a constriction in the alluvium, on the south by the Santa Susana Mountains, and on the south and east by the San Gabriel Mountains (DWR 2016). The extent of the basin generally coincides with the outer extent of the Alluvium and Saugus Formation.

The Santa Clara River Valley Groundwater Basin, East Subbasin has been identified by DWR as a high priority basin, not subject to critical conditions of overdraft, thereby requiring preparation of a GSP, described below.

### **3.3.2 Groundwater Management Planning**

As part of legislation authorizing SCV Water to provide retail water service to individual municipal customers, Assembly Bill (AB) 134 (2001) included a requirement that SCV Water prepare a GWMP (provided as Appendix I of the 2020 UWMP) in accordance with the provisions of Water Code Section 10753, which was originally enacted by AB 3030. This legislation has since been superseded by the passage of SGMA in 2014 and the submittal of a GSP to DWR by the SCV-GSA in January 2022. The GSP is available at <https://scvgsa.org/wp-content/uploads/2021/12/SCV-GSP-Sections-Combined-20211217.pdf>. The GSP was in large part built on the GWMP with the groundwater basin operating within the yields identified in the GWMP. A summary of GWMP and the GSP is provided below.

### **3.3.2.1 Groundwater Sustainability Plan**

The Santa Clarita Valley Groundwater Sustainability Agency (SCV-GSA) operates under a Joint Powers Agreement, which was executed by member Agencies in 2018. The SCV-GSA has adopted the State-required GSP for the East Subbasin of the Santa Clara River Valley Groundwater Basin. The plan represents a significant multi-year undertaking concluding with its adoption and submittal to DWR in January 2022. Development of the GSP reflected a significant stakeholder engagement effort with the involvement of a Stakeholder Advisory Committee to reflect the views from private well owners, members at large, environmental interests, and the business community. This Stakeholder Advisory Committee met regularly to review technical memoranda and provide advisement to the GSA on materials and assistance with several public workshops.

The final Board- adopted GSP is consistent with the current groundwater operating plan as described in the GWMP (AB 3030 plan), and its 2009 update, described below. The GSP, however refined the technical analysis as it utilized a new groundwater flow model (an unstructured grid version of ModFlow called ModFlow USG) that models the groundwater operating plan. These refinements include updates such as redistribution of pumping and current Basin conditions. The plan also developed minimum thresholds as a basis to determine that the groundwater basin is being managed in a sustainable manner. The SCV-GSA will conduct the required annual monitoring and reports for the GSP.

### **3.3.2.2 Groundwater Management Plan**

The general contents of the GWMP were outlined in 2002, and a detailed plan was adopted in 2003 to satisfy the requirements of AB 134. The plan both complements and formalizes a number of existing water supply and water resource planning and management activities in SCV Water's service area, which effectively encompasses the East Subbasin of the Santa Clara River Valley Groundwater Basin. Notably, the GWMP also includes a basin-wide monitoring program, the results of which provide input to annual reporting on water supplies and water resources in the Basin, as well as input to assessment of Basin yield for water supply as described herein. Groundwater level data from the existing groundwater monitoring program is reported to DWR as part of SBX7-6 implementation CASGEM. SCV Water serves as the monitoring entity for CASGEM for the basin. Available groundwater level data for the CASGEM program is submitted twice a year. SCV Water will continue to provide groundwater level data consistent with the CASGEM program.

The GWMP contains four management objectives, or goals, for the Basin including (1) development of an integrated surface water, groundwater and recycled water supply to meet existing and projected demands for municipal, agricultural and other water uses; (2) assessment of groundwater basin conditions to determine a range of operational yield values that use local groundwater conjunctively with supplemental SWP supplies and recycled water to avoid groundwater overdraft; (3) preservation of groundwater quality, including active characterization and resolution of any groundwater contamination problems, and (4) preservation of interrelated surface water resources, which includes managing groundwater to not adversely impact surface and groundwater discharges or quality to downstream basin(s).

Prior to preparation and adoption of the GWMP, a local MOU process among the former CLWA, the CLWA retail water purveyors and UWCD in neighboring Ventura County, downstream of the East Subbasin of the Santa Clara River Valley, produced the beginning of local groundwater management. This is now embodied in the GWMP prepared and implemented in 2001. The MOU was a collaborative and integrated approach to several aspects of water resource management included in the GWMP. As a result of the MOU, the cooperating agencies integrated their respective database management efforts and continued to monitor and report on the status of Basin conditions, as well as on geologic and hydrologic aspects of



their respective parts of the overall stream-aquifer system. Following adoption of the GWMP, the water suppliers developed and utilized a numerical groundwater flow model for analysis of groundwater basin yield and for analysis of extraction and containment of groundwater contamination. The results of those basin yield and contamination analyses, updated in 2009 by Luhdorff and Scalmanini Consulting Engineers and GSI Water Solutions, Inc. (LSCE & GSI, 2009), are bases for the amounts and allocations of groundwater supplies in the 2020 UWMP.

The adopted GWMP includes 14 elements intended to accomplish the Basin management objectives listed above. In summary, the plan elements include:

- Monitoring of groundwater levels, quality, production, and subsidence
- Monitoring and management of surface water flows and quality
- Determination of Basin yield and avoidance of overdraft
- Development of regular and dry-year emergency water supply
- Continuation of conjunctive use operations
- Long-term salinity management
- Integration of recycled water
- Identification and mitigation of soil and groundwater contamination, including involvement with other local agencies in investigation, cleanup, and closure
- Development and continuation of local, state, and federal agency relationships
- Groundwater management reports
- Continuation of public education and water conservation programs
- Identification and management of recharge areas and wellhead protection areas
- Identification of well construction, abandonment, and destruction policies
- Provisions to update the groundwater management plan

Work on a number of the GWMP elements had been ongoing for some time prior to the formal adoption of the GWMP and expanded work on implementation of the GWMP will continue on an ongoing basis through the administration of the GSP. The GSP evaluates the operating plan going forward and these analyses of the groundwater basin are reflected in the 2020 UWMP and this WSV. Notable in the implementation of the GWMP has been the annual preparation of a Santa Clarita Valley Water Report (Annual Report) that summarizes (1) water requirements, (2) all three sources of water supply (groundwater, imported surface water and recycled water, all as part of the GWMP's overall management objectives), and (3) projected water supply availability to meet the following year's projected water requirements. Besides addressing GWMP requirements, the Annual Report is also prepared in response to a request by the Los Angeles County Board of Supervisors and the MOU between the water purveyors in the Basin and UWCD. SGMA also requires preparation of an annual report on basin conditions. The SCV GSA adopted its second annual report in March 2023, describing groundwater conditions relative to the GSP's basin metrics, for example, water level thresholds and other sustainable management criteria.

### **3.3.2.3 Available Groundwater Supplies**

The groundwater component of overall water supply in the Valley derives from a groundwater operating plan developed and analyzed to meet water requirements (municipal, agricultural, small domestic) while maintaining the Basin in a sustainable condition, specifically no long-term depletion of groundwater or interrelated surface water. The operating plan also addresses groundwater contamination issues in the Basin, all consistent with the GWMP described above. The groundwater operating plan and the GSP are based on the concept that pumping can vary from year to year to allow increased groundwater use in dry periods and increased recharge during wet periods to collectively assure that the groundwater Basin is

adequately replenished through various wet/dry cycles. As ultimately formalized in the GWMP and described in the Basin Yield Report (LSCE and GSI, 2009), and in the GSP, the operating yield concept has been quantified as ranges of annual pumping volumes to capture year-to-year pumping fluctuations in response to both hydrologic conditions and customer demand.

Ongoing work through implementation of the GWMP has produced three detailed technical reports in addition to the annual Water Reports (the most recent of which, for 2020, was the twenty-third annual report). The first detailed technical report (CH2M Hill, April 2004) documents the construction and calibration of the groundwater flow model for the Valley. The second report (CH2M Hill and LSCE, August 2005) presents the initial modeling analysis of the purveyors' original groundwater operating plan. The most recent report, an updated analysis of the Basin (LSCE & GSI, 2009) presents the modeling analysis of the current groundwater operating plan, including restoration of two Saugus Formation wells for municipal supply after treatment and also presents a range of potential impacts deriving from climate change considerations. All those results are reflected in this WSV. The primary conclusion of the technical analysis is that the groundwater operating plan will not cause detrimental short- or long-term effects to the groundwater and surface water resources in the Valley and is therefore sustainable. The analysis of sustainability for groundwater and interrelated surface water is described in detail in "Analysis of Groundwater Supplies and Groundwater Basin Yield, USCR Groundwater Basin, East Subbasin" (Basin Yield Analysis) prepared August 2009 (LSCE & GSI, 2009).

Additional technical work performed for the SCV-GSA in preparation of its GSP confirmed previous conclusions that the basin plan was sustainable. Utilizing the new MODFLOW-USG model, additional analysis of the basin plan operating plan was performed for the Water Budget Development for the Santa Clara River Valley East Groundwater Subbasin report, GSI Water Solutions Inc, October 2021. The analysis was based on the existing operating plan, modified spatial pumping distribution, incorporated updated climate change data, and made other refinements. The analysis concluded that chronic lowering of groundwater levels and groundwater storage would not occur under the operating plan and therefore operation was within the safe yield of the Basin.

The updated groundwater operating plan (LSCE & GSI, 2009), as well as operations anticipated under the GSP are summarized in Table 3-2, is as follows:

**Alluvium:** Pumping from the Alluvial Aquifer in a given year is governed by local hydrologic conditions in the eastern Santa Clara River Watershed. Pumping for municipal, agricultural, and private purposes ranges between 30,000 and 40,000 AFY during normal and above-normal rainfall years. However, due to hydrogeologic constraints in the eastern part of the Basin along with distribution of groundwater pumping, pumping is reduced to between 30,000 and 35,000 AFY during locally dry years. These amounts result in an ability to operate supply wells in the Basin in a feasible and sustainable manner.

**Saugus Formation:** Pumping from the Saugus Formation in a given year is tied directly to the availability of other water supplies, particularly from the SWP. During average-year conditions within the SWP system, Saugus pumping ranges between 7,500 and 15,000 AFY. Planned dry-year pumping from the Saugus Formation ranges between 15,000 and 25,000 AFY during a drought year and can increase to between 21,000 and 25,000 AFY if SWP deliveries are reduced for two consecutive years and between 21,000 and 35,000 AFY if SWP deliveries are reduced for three consecutive years. Such high pumping would be followed by periods of reduced (average-year) pumping, at rates between 7,500 and 15,000 AFY, to further enhance the effectiveness of natural recharge processes that would recover water levels and groundwater storage volumes after the higher pumping during years with low SWP allocations.

**TABLE 3-2  
GROUNDWATER OPERATING PLAN FOR THE SANTA CLARITA VALLEY**

<b>Aquifer</b>	<b>Groundwater Production (AF)</b>			
	<b>Normal Years</b>	<b>Dry Year 1</b>	<b>Dry Year 2</b>	<b>Dry Years 3-5</b>
Alluvium	30,000 to 40,000	30,000 to 35,000	30,000 to 35,000	30,000 to 35,000
Saugus Formation	7,500 to 15,000	15,000 to 25,000	21,000 to 25,000	21,000 to 35,000
<b>Total</b>	<b>37,500 to 55,000</b>	<b>45,000 to 60,000</b>	<b>51,000 to 60,000</b>	<b>51,000 to 70,000</b>

Within the groundwater operating plan, three factors affect the availability of groundwater supplies: sufficient source capacity (wells and pumps), sustainability of the groundwater resource to meet pumping demand on a renewable basis, and protection of groundwater sources (wells) from known contamination, or provisions for treatment in the event of contamination. These factors are discussed below.

The protection of groundwater sources and provisions for treatment in the event of contamination is briefly discussed below and discussed further in Section 4.

Perchlorate has been a water quality concern since 1997 when first detected in SCV Water’s service area. Several Saugus Formation and Alluvial wells were initially removed from service. Treatment facilities for two wells, Saugus 1 and Saugus 2, have been installed and are currently operational. A treatment facility has been installed for the V201 well and awaits final permitting. Treatment system design has been initiated for Well 205. Additionally, two new wells, Saugus 3 and 4 are currently being drilled. Additional details on DDW permitting and associated timeline for both Saugus and Alluvial wells are provided in Section 4.

In 2016, the USEPA provided a health advisory of lifetime exposure to PFOA and PFOS of 70 parts per trillion (or 70 nanogram per liter (ng/l)). The health advisory is non-enforceable and non-regulatory and is intended to provide technical information to local and state agencies. In March of 2019, DDW issued a series of Orders for water utilities to test for PFAS compounds on a quarterly basis, which included 15 SCVWA wells. In August 2019, SCVWA voluntarily began testing all wells. In August of 2019, set notification levels (NL) for PFOA (5.1 ng/L) and PFOS (6.5 ng/L) and in February of 2020 established running annual response levels for PFOA (10 ng/L) and PFOS (40 ng/L). In addition, DDW has set notification and response levels for two additional PFAS chemicals (PFBS and PFHxS). SCV Water wells were tested and as of February 2020, over 60% of Alluvium wells exceeded the NL or RL for PFOA and/or PFOS. This resulted in 25 wells initially being taken out of service. Currently there are 20 wells out of service due to PFAS. Treatment for four of these wells (N, N7, N8 and Valley Center ) has been installed and the wells are now operational. Construction is underway for the treatment of two additional wells, Honby and Santa Clara, scheduled to be back online by 2024.

In March 2023, the USEPA announced a proposal to establish national maximum contaminant levels (MCL) for several PFAS chemicals in drinking water. The proposal includes limiting PFOA and PFAS to 4 parts per trillion (ppt, ng/L) and usage of a Hazard Index (HI) approach for several other PFAS including PFHxS, PFBS, PFNA, and HFPO-DA. The HI is a tool used to evaluate potential health risks from exposure to chemical mixtures based on an assumption of dose additivity. A 2023 Addendum to the SCV Water Groundwater Treatment Implementation Plan has been prepared by Kennedy Jenks Consultants to update the wells which may require treatment due to the proposed MCL’s as well as a schedule of completion for their treatment.

The Addendum to the 2021 Implementation Plan evaluated all SCV Water groundwater wells' recent contaminant levels and concluded that an additional 9 wells fell above 80% of the proposed new MCL levels. Preliminary design for the treatment of a total of 34 wells is currently being planned and all wells are anticipated to be back online by 2030.

During this interim period of operation, pumping from non-impacted alluvium wells and Saugus Formation wells may be increased to partially mitigate lost production capacity. The pumping distribution for alluvium wells and Saugus wells is shown in Table 3-4(a) and Table 3-4(b) respectively and summarized in Table 3-4 below. The originally anticipated schedule for installation of treatment for alluvium wells and Saugus Formation wells is contained in Appendix E of the 2020 UWMP. Updated Detailed Water Supply Tables are provided in Tables 3-4(b), 3-4(c), 3-5(b) and 3-5(c) (these tables updated planning and construction and permitting schedules and have been prepared in consultation with SCV Water's Engineering and Operations divisions). For example, the online date for Saugus Formation Well 201 was changed from 2022 to 2024 to reflect inclusion of VOC treatment facilities. Similarly, the Santa Clara and Honby alluvial wells, originally scheduled to be online in 2023, are now scheduled to be available in 2024 to reflect scheduling experience gained from the previously constructed treatment facilities at the N wells. These tables are provided to reflect likely operations moving forward. Additional information regarding SCV Water's financing of the Groundwater Treatment Implementation Plan is presented in the Capital Outlay Section 3.8 of this WSV.

Recent historical groundwater pumping by SCV Water and other groundwater users is summarized in Table 3-3. The quantity of groundwater used can significantly vary year to year based on a number of factors. For example, in 2016 continued dry conditions in northern California resulted in an allocation of only 20% of SCV Water's Table A amount and SCV Water relied more heavily on groundwater. In contrast 2017 and 2019 were wet years in the watersheds that provide SWP supplies, and higher SWP allocations allowed SCV Water to reduce groundwater extraction and rely more on SWP supplies. 2020 groundwater production was significantly curtailed due to newly implemented PFAS regulatory actions.

Planned future groundwater pumping in normal years, by the retail water purveyors as well as by other groundwater users, is summarized in Table 3-4. Existing and planned groundwater pumping by SCV Water as well as by other groundwater users, for normal, single-dry and multiple-dry year periods, are summarized in Section 4 and in Table 3-6 through Table 3-8 below.

**TABLE 3-3  
RECENT HISTORICAL GROUNDWATER PRODUCTION (AF)<sup>(a)(e)</sup>**

<b>SCRV East Subbasin</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>
SCWD	6,892	3,900	5,383	5,948	5,311	5,438	4,494
Alluvium	3,485	907	2,465	2,762	2,517	2,884	2,963
Saugus Formation <sup>(b)</sup>	3,407	2,993	2,918	3,186	2,794	2,554	1,531
LACWWD36	1,047	1,093	1,204	972	1,257	1,239	985
Alluvium	0	0	0	0	0	0	895
Saugus Formation	1,047	1,093	1,204	972	1,257	1,239	90
NCWD	4,468	2,303	2,608	3,708	4,591	5,868	5,955
Alluvium	626	780	728	1,044	1,322	1,749	1,423
Saugus Formation	3,842	1,523	1,880	2,664	3,269	4,119	4,532
VWD	13,922	9,107	13,674	6,919	6,173	13,001	12,615
Alluvium	11,133	7,737	10,837	5,243	3,732	9,435	9,233
Saugus Formation	2,789	1,370	2,837	1,676	2,441	3,566	3,382
<b>Total Purveyor</b>	<b>26,329</b>	<b>16,403</b>	<b>22,869</b>	<b>17,547</b>	<b>17,332</b>	<b>25,546</b>	<b>24,049</b>
<b>Alluvium</b>	<b>15,244</b>	<b>9,424</b>	<b>14,030</b>	<b>9,049</b>	<b>7,571</b>	<b>14,068</b>	<b>14,514</b>
<b>Saugus Formation</b>	<b>11,085</b>	<b>6,979</b>	<b>8,839</b>	<b>8,498</b>	<b>9,761</b>	<b>11,478</b>	<b>9,535</b>
Agricultural and Other <sup>(c)(d)</sup>	14,359	13,438	13,280	13,034	10,250	13,710	14,091
Alluvium	13,605	12,554	12,437	11,967	9,190	12,510	13,508
Saugus Formation	754	884	843	1067	1060	1200	583
<b>Total Basin</b>	<b>40,688</b>	<b>29,841</b>	<b>36,149</b>	<b>30,581</b>	<b>27,582</b>	<b>39,256</b>	<b>38,140</b>
<b>Alluvium</b>	<b>28,849</b>	<b>21,978</b>	<b>26,467</b>	<b>21,016</b>	<b>16,761</b>	<b>26,578</b>	<b>28,022</b>
<b>Saugus Formation</b>	<b>11,839</b>	<b>7,863</b>	<b>9,682</b>	<b>9,565</b>	<b>10,821</b>	<b>12,678</b>	<b>10,118</b>
<b>Groundwater Percentage of Total Municipal Water Supply</b>	<b>56%</b>	<b>39%</b>	<b>45%</b>	<b>41%</b>	<b>36%</b>	<b>48%</b>	<b>50%</b>

Notes:

- (a) Data reference from annual SCV Water Reports, 2022 data from drafted SCV Water Report.
- (b) Represents pumping from Saugus 1 and Saugus 2 wells.
- (c) Includes agricultural and other small private well pumping.
- (d) 2022 Agricultural and Other alluvial production includes Pitches Detention Center, Sand Canyon Country Club, Small Pumpers and 2022 Newhall Land and Farming pumping. Saugus includes private irrigation pumping from Valencia Country Club and Vista Valencia Golf Course and Whittaker Bermite Treatment.
- (e) Historical Groundwater use back through 2003 can be found in Table 5-1

**TABLE 3-4  
PROJECTED GROUNDWATER PRODUCTION (NORMAL YEAR) (AF)**

Basin Name	Groundwater Pumping (AF)					
	2025	2030	2035	2040	2045	2050
Santa Clara River Valley East Subbasin						
<b>Purveyor</b>						
Alluvium <sup>(a)</sup>	16,310	27,740	30,480	30,480	30,480	30,480
Saugus Formation <sup>(b)</sup>	12,940	9,900	9,900	9,900	9,900	9,900
<b>Total Purveyor</b>	<b>29,250</b>	<b>37,640</b>	<b>40,380</b>	<b>40,380</b>	<b>40,380</b>	<b>40,380</b>
Non Purveyor (Agricultural and Other) <sup>(c)</sup>						
Alluvium <sup>(d)</sup>	11,540	9,150	6,410	6,410	6,410	6,410
Saugus Formation	1,200	1,200	1,200	1,200	1,200	1,200
<b>Total Agricultural and Other</b>	<b>12,740</b>	<b>10,350</b>	<b>7,610</b>	<b>7,610</b>	<b>7,610</b>	<b>7,610</b>
Santa Clara River Valley East Subbasin						
<b>Alluvium</b>	<b>27,850</b>	<b>36,890</b>	<b>36,890</b>	<b>36,890</b>	<b>36,890</b>	<b>36,890</b>
<b>Saugus Formation</b>	<b>14,140</b>	<b>11,100</b>	<b>11,100</b>	<b>11,100</b>	<b>11,100</b>	<b>11,100</b>
<b>Total Basin</b>	<b>41,990</b>	<b>47,990</b>	<b>47,990</b>	<b>47,990</b>	<b>47,990</b>	<b>47,990</b>

**Notes:**

- (a) Includes existing, future (associated with the assumed development under the Newhall Ranch Specific Plan) and recovered pumping capacity after PFAS and Perchlorate treatment.
- (b) Saugus Normal Year pumping in 2025 is higher than normal to mitigate lost alluvial pumping capacity due to impacted PFAS wells.
- (c) Non purveyor pumping includes Five Point (Newhall Ranch Agriculture), Pitches Detention Center, and Small Private Domestic pumping and irrigation at Sand Canyon Country Club, private irrigation pumping from Valencia Country Club and Vista Valencia Golf Course, as well as projected Whittaker-Bermite pumping for perchlorate treatment.
- (d) Reflects reduction of up to 7,038 AF associated with the assumed development under the Newhall Ranch Specific Plan.

As reflected in Table 3-4, the groundwater operating plan recognizes ongoing pumping for the two major uses of groundwater in the Basin, municipal and agricultural (including private pumpers) water supply. Consistent with the groundwater operating plan, projected groundwater pumping includes an ongoing conversion of pumping, coincident with planned land-use changes, from agricultural to municipal water supply. This is shown in Table 3-4, with projected pumping by agricultural and other users decreasing as purveyor pumping increases in such a manner that overall pumping remains within the basin operating plan. The reduction in pumping for agricultural supply is primarily due to the development of Newhall Ranch (expected buildout date of 2034) and is expected to shift to an increase in pumping by SCV Water. The groundwater operating plan and projected pumping also includes other small private domestic and related pumping. As shown in Table 3-4, total projected groundwater pumping by all users within each aquifer is within the ranges for normal year pumping identified in the groundwater operating plan (Table 3-2). SCV Water recognizes that these estimates of projected groundwater use are subject to adjustment based on various factors and conditions occurring from time to time. These estimates are provided for the planning purposes of this report and the UWMP, and do not constitute an allocation of groundwater from the local groundwater basins.

### **3.3.2.4 Alluvium**

Based on a combination of historical operating experience and groundwater modeling analyses (2005 and 2009 groundwater operation plan updates), the Alluvial Aquifer can supply groundwater on a long-term sustainable basis in the overall range of 30,000 to 40,000 AFY, with a probable reduction in dry years to a range of 30,000 to 35,000 AFY. Both of those ranges include 13,000 to 6,400 AFY (as reflected in Table 3-6 and Table 3-7) of Alluvial pumping for agricultural and other non-municipal water uses. The dry year reduction is a result of practical constraints in the eastern part of the Basin, where lowered groundwater levels in dry periods have the effect of reducing pumping capacities in that shallower portion of the aquifer. The GSP also considers potential impacts on Groundwater Dependent Ecosystems throughout the basin and available analysis supports a determination that historic pumping patterns and future pumping patterns consistent with the Groundwater Basin Operating Plan were protective of these systems. In addition, in general, increased water conservation practices are expected to reduce both indoor and outdoor irrigation demands. Less outdoor irrigation water use creates less return flow to the basin and less indoor water use creates less recycled water both for use within SCV Water and for return to the Santa Clara River. SCV Water will monitor these effects to ensure that pumping by SCV Water does not impact groundwater supply for other uses, including groundwater dependent ecology. Additionally, the SCV-GSA will monitor groundwater conditions and implement management actions if Sustainable Management Criteria, or Groundwater Dependent Ecosystem triggers are reached so as to protect resources and ensure sustainable operation of the basin.

One notable change in the future geographic patterns of production compared to historical distributions concerns the historic distribution of agricultural pumping compared to future distribution among SCV Water wells. Under the Newhall Ranch Specific Plan, NLF is to dedicate up to 7,038 AFY by fallowing lands and reducing agricultural pumping on its lands. Under the Specific Plan, SCV Water would then have the ability to pump water to serve the new development. The project will be constructed in stages over a number of years depending on market conditions. Likewise, SCV Water pumping would increase over time in such a manner that the overall pumping remains within the basin operating plan. The Specific Plan development is projecting to implement water conservation practices which will reduce both indoor and outdoor irrigation demands. This reduces the overall water demand of the development. Consistent with the above, SCV Water will monitor the transfer of water from NLF to ensure it does not impact other uses.

If the 7,038 AFY dedicated by NLF is not sufficient to support the Specific Plan Development, NLF (or its successor in interest), will transfer additional water to SCV Water from the Nickel Water and/or the Semitropic Water Bank to backstop demands. In anticipation of this development, VWC, a PUC regulated private utility then owned by NLF, installed four wells. However, to manage future potential reductions in groundwater levels in the vicinity of these new wells, particularly during drought conditions, the GSP Water Budget Analysis indicated it would be desirable to install several wells located near the confluence of Castaic Creek and the Santa Clara River near the existing "C" wells that are currently used for agricultural production for Newhall Land's operations in Los Angeles County.

#### ***Adequacy of Supply***

Three factors affecting the availability of groundwater are (1) sufficient source infrastructure capacity (wells and pumps), (2) sustainability of the groundwater resource to meet pumping demand on a renewable basis, and (3) protection of groundwater sources (wells) from known contamination or from potential sources of contamination.

For source infrastructure, existing and planned wells, and pumps, SCV Water has a combined pumping capacity from active Alluvial wells of approximately 51,000 gallons per minute (gpm), which translates to over two and a half times the anticipated annual pumping thus demonstrating that there is sufficient alluvial source pumping capacity to achieve the sustainable yield objectives of the groundwater basin. The higher individual and cumulative pumping capacities are primarily for operational reasons (i.e., to meet daily and other fluctuations from average day to maximum day and peak hour system demands). Further, to achieve sufficient levels of production, SCV Water must complete treatment facilities for PFAS and Perchlorate compliance. The timing for returning PFAS and Perchlorate impacted wells is shown in the 2020 UWMP and updated for this WSV to reflect the most recent projections. Alluvial pumping capacity from all the active and future municipal supply wells is summarized in Table 3-4(c).

In terms of adequate source capacity to provide flexible and adaptive management in the sustainable use of groundwater resources, the current and projected availability of Alluvial groundwater source capacity of municipal wells is more than sufficient to meet the 21,400 AFY in 2025 and increases to 30,800 in 2035 (Table 3-4). As illustrated on Table 3-4(c), the balance of all Alluvial pumping 37,200 AFY, including non-SCV Water pumping, remains within the sustainable operating plan range of 30,000 to 40,000 AFY projected in the GSP.



**TABLE 3-4(a)**  
**COMPARISON OF EXISTING AND FUTURE/RECOVERED ALLUVIAL WELL CAPACITY TO**  
**ANTICIPATED PUMPING <sup>(a)</sup>**

Well	Permitted Capacity (gpm) <sup>(i)</sup>	Max. Annual Capacity (AF) <sup>(i)</sup>	GSP Water Budget Analysis(b)	
			Normal Year (AF)	Dry Year (AF)
<b>Existing Wells<sup>(c)</sup></b>				
Castaic 1	640	1,030	430	420
Castaic 2	500	810	220	220
Castaic 4	330	530	-	-
Castaic 6	600	970	-	-
Castaic 7	2,000	3,230	580	730
Pinetree 3	550	890	-	-
Pinetree 4	500	810	-	-
Guida	1,000	1,610	560	560
Lost Canyon 2 <sup>(d)</sup>	800	1,290	410	250
Lost Canyon 2A <sup>(d)</sup>	1,000	1,610	420	160
N. Oaks West	750	1,210	-	-
Sand Canyon	1,200	1,940	730	310
Well E-15 <sup>(d)</sup>	1,400	2,260	725	1,360
Well W9	800	1,290	1,010	700
Well W11	1,000	1,610	1,180	1,000
Well E-17 <sup>(d)</sup>	1,200	1,940	725	620
<b>Existing Subtotal</b>	<b>14,270</b>	<b>23,030</b>	<b>6,990</b>	<b>6,330</b>
<b>Future<sup>(e)</sup> and Recovered Wells</b>				
Pinetree 1 <sup>(f)</sup>	300	480	190	-
Pinetree 5 <sup>(f)</sup>	500	810	200	-
Clark <sup>(f)</sup>	550	890	380	270
Honby <sup>(f)</sup>	950	1,530	760	110
Mitchell 5B <sup>(f)</sup>	1,000	1,610	200	60
N. Oaks Central <sup>(f)</sup>	1,200	1,940	500	340
N. Oaks East <sup>(f)</sup>	950	1,530	500	220
Santa Clara <sup>(f)</sup>	1,500	2,420	770	250
Sierra <sup>(f)</sup>	1,000	1,610	400	60
Valley Center <sup>(f)</sup>	1,200	1,940	1,000	610
Well D <sup>(f)</sup>	1,050	1,690	1,210	920
Well N <sup>(f)</sup>	1,250	2,020	630	1,060
Well N7 <sup>(f)</sup>	2,500	4,040	1,470	1,680
Well N8 <sup>(f)</sup>	2,500	4,040	1,430	1,680
Well Q2 <sup>(g)</sup>	1,200	1,940	770	850
Well S6 <sup>(f)</sup>	2,000	3,230	640	2,080
Well S7 <sup>(f)</sup>	2,000	3,230	620	780
Well S8 <sup>(f)</sup>	2,000	3,230	610	760
Well T7 <sup>(f)</sup>	1,200	1,940	880	360
Well U4 <sup>(f)</sup>	1,000	1,610	940	570
Well U6 <sup>(f)</sup>	1,250	2,020	1,050	660
Well W10 <sup>(f)</sup>	1,500	2,420	1,700	1,490
Well E-14 <sup>(h)</sup>	1,200	1,940	725	610
Well E-16 <sup>(h)</sup>	1,200	1,940	725	610
Well G-45 <sup>(h)</sup>	1,200	1,940	1,670	1,430
Well C-11 <sup>(h)</sup>	2,000	3,230	1,600	1,360
Well C-12 <sup>(h)</sup>	2,000	3,230	1,600	1,360
S9 (Mitchell 5A Replacement) <sup>(h)</sup>	1,000	1,610	320	320
<b>Future Subtotal</b>	<b>37,200</b>	<b>60,060</b>	<b>23,490</b>	<b>20,500</b>
<b>Total</b>	<b>51,470</b>	<b>83,090</b>	<b>30,480</b>	<b>26,830</b>

Notes:

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Draft Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) Production for Normal and Dry years represented in this table represents the period after all impacted wells (PFAS and Perchlorate impacts) are recovered. See Tables 3-4b and 3-4c for anticipated production from 2021-2030. Dry-year production represents anticipated maximum dry year production. Schedule for recovered well capacity based on 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021. All tables have been updated from 2020 UWMP in Appendix E.
- (c) Existing Category include all wells online and in use during the 2020 UWMP update. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment.
- (d) In 2020 UWMP E wells and Lost Canyon were not above the RL but were still anticipated to be connected into central treatment systems. Most recent water quality updates confirm treatment will be needed at these facilities.
- (e) Future Category includes all wells restored from PFAS and Perchlorate water quality issues, and other future alluvial wells including those associated with development under the Newhall Ranch Specific Plan during the 2020 UWMP update.
- (f) PFAS impacted well.
- (g) Perchlorate impacted well.
- (h) Future wells.
- (i) Permitted and Maximum Annual Capacity for wells does not represent the anticipated water supply provided by wells.

**TABLE 3-4(b)**  
**ACTIVE MUNICIPAL GROUNDWATER SOURCE CAPACITY AND**  
**NORMAL YEAR PRODUCTION AMOUNT**  
**EXISTING, FUTURE AND RECOVERED ALLUVIAL AQUIFER WELLS<sup>(a)</sup>**  
**NORMAL YEAR DETAIL (2021-2030)**

Well	Permitted Capacity (gpm) <sup>(i)</sup>	Max. Annual Capacity (AFY) <sup>(i)</sup>	Normal Year (AF) <sup>(b)</sup>									
			2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Existing Wells<sup>(c)</sup></b>												
Castaic 1	640	1,030	430	430	430	430	430	430	430	430	430	430
Castaic 2	500	810	220	220	220	220	220	220	220	220	220	220
Castaic 4	330	530	-	-	-	-	-	-	-	-	-	-
Castaic 6	600	970	-	-	-	-	-	-	-	-	-	-
Castaic 7	2,000	3,230	580	580	580	580	580	580	580	580	580	580
Pinetree 3	550	890	310	310	310	310	310	310	-	-	-	-
Pinetree 4	500	810	-	-	-	-	-	-	-	-	-	-
Guida	1,000	1,610	560	560	560	560	560	560	560	560	560	560
Lost Canyon 2 <sup>(d)</sup>	800	1,290	410	410	-	-	-	-	-	410	410	410
Lost Canyon 2A <sup>(d)</sup>	1,000	1,610	420	420	-	-	-	-	-	420	420	420
N. Oaks West	750	1,210	-	-	-	-	-	-	-	-	-	-
Sand Canyon	1,200	1,940	730	730	-	-	-	-	-	730	730	730
Well E-15 <sup>(d)</sup>	1,400	2,260	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,680	1,600	1,600
Well W9	800	1,290	1,030	1,030	1,030	1,030	1,030	1,030	-	1,030	1,010	1,010
Well W11	1,000	1,610	1,240	1,240	1,240	1,240	1,240	1,240	1,180	1,180	1,180	1,180
Well E-17 <sup>(d)</sup>	1,200	1,940	1,290	1,290	1,290	1,290	1,290	1,290	1,290	1,290	730	730
<b>Existing Subtotal</b>	<b>14,270</b>	<b>23,030</b>	<b>8,900</b>	<b>8,900</b>	<b>7,340</b>	<b>7,340</b>	<b>7,340</b>	<b>7,340</b>	<b>5,940</b>	<b>8,530</b>	<b>7,870</b>	<b>7,870</b>
<b>Future and Recovered Wells<sup>(e)</sup></b>												
Pinetree 1 <sup>(f)</sup>	300	480	-	-	-	-	-	-	-	-	-	190
Pinetree 5 <sup>(f)</sup>	500	810	-	-	-	-	-	-	-	-	-	200
Clark <sup>(f)</sup>	550	890	-	-	-	-	-	-	-	380	380	380
Honby <sup>(f)</sup>	950	1,530	-	-	-	760	760	760	760	760	760	760
Mitchell 5B <sup>(f)</sup>	1,000	1,610	-	-	-	-	-	-	-	200	200	200
N. Oaks Central <sup>(f)</sup>	1,200	1,940	-	-	-	-	-	-	-	500	500	500
N. Oaks East <sup>(f)</sup>	950	1,530	-	-	-	-	-	-	-	500	500	500
Santa Clara <sup>(f)</sup>	1,500	2,420	-	-	-	1,010	1,010	1,010	1,010	1,010	1,010	1,010
Sierra <sup>(f)</sup>	1,000	1,610	-	-	-	-	-	-	-	400	400	400
Valley Center <sup>(f)</sup>	1,200	1,940	-	1,190	1,190	1,030	1,030	1,030	1,030	1,030	1,030	1,030
Well D <sup>(f)</sup>	1,050	1,690	-	-	-	-	-	-	-	1,210	1,210	1,210
Well N <sup>(f)</sup>	1,250	2,020	980	1,000	870	870	870	630	630	630	630	630
Well N7 <sup>(f)</sup>	2,500	4,040	1,800	1,800	2,180	2,180	2,180	1,470	1,470	1,470	1,470	1,470
Well N8 <sup>(f)</sup>	2,500	4,040	1,800	1,800	2,180	2,180	2,180	1,430	1,430	1,430	1,430	1,430
Well Q2 <sup>(g)</sup>	1,200	1,940	-	-	940	940	940	770	770	770	770	770
Well S6 <sup>(f)</sup>	2,000	3,230	-	-	-	-	-	0	640	640	640	640
Well S7 <sup>(f)</sup>	2,000	3,230	-	-	-	-	-	0	620	620	620	620
Well S8 <sup>(f)</sup>	2,000	3,230	-	-	-	-	-	0	610	610	610	610
Well T7 <sup>(f)</sup>	1,200	1,940	-	-	-	-	-	750	750	750	750	750
Well U4 <sup>(f)</sup>	1,000	1,610	-	-	-	-	-	700	700	700	700	700
Well U6 <sup>(f)</sup>	1,250	2,020	-	-	-	-	-	800	800	800	800	840
Well W10 <sup>(f)</sup>	1,500	2,420	-	-	-	-	-	-	-	1,650	1,650	1,650
Well E-14 <sup>(h)</sup>	1,200	1,940	-	-	-	-	-	-	740	740	740	740
Well E-16 <sup>(h)</sup>	1,200	1,940	-	-	-	-	-	-	650	650	650	650
Well G-45 <sup>(h)</sup>	1,200	1,940	-	-	-	-	-	-	-	-	1,670	1,670
Well C-11 <sup>(h)</sup>	2,000	3,230	-	-	-	-	-	-	-	-	-	-
Well C-12 <sup>(h)</sup>	2,000	3,230	-	-	-	-	-	-	-	-	-	-
S9 (Mitchell 5A Replacement) <sup>(h)</sup>	1,000	1,610	-	-	-	-	-	-	-	320	320	320
<b>Future Subtotal</b>	<b>37,200</b>	<b>60,060</b>	<b>4,580</b>	<b>5,790</b>	<b>7,360</b>	<b>8,970</b>	<b>8,970</b>	<b>9,350</b>	<b>12,610</b>	<b>17,770</b>	<b>19,440</b>	<b>19,870</b>
<b>Total</b>	<b>51,470</b>	<b>83,090</b>	<b>13,480</b>	<b>14,690</b>	<b>14,700</b>	<b>16,310</b>	<b>16,310</b>	<b>16,690</b>	<b>18,550</b>	<b>26,300</b>	<b>27,310</b>	<b>27,740</b>

Notes:

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) Schedule for recovered well capacity based on 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (c) Existing Category include all wells online and in use during the 2020 UWMP update. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment.
- (d) In 2020 UWMP E wells and Lost Canyon were not above the RL but were anticipated to be connected into central treatment systems. Most recent water quality updates confirm treatment will be needed at these facilities.
- (e) Future Category includes all wells restored from PFAS and Perchlorate water quality issues, and other future alluvial wells including those associated with development under the Newhall Ranch Specific Plan during the 2020 UWMP update.
- (f) PFAS impacted well.
- (g) Perchlorate impacted well.
- (h) Future wells.
- (i) Permitted and Max. Annual Capacity for wells does not represent the anticipated water supply provided by wells.

**TABLE 3-4(c)**  
**ACTIVE MUNICIPAL GROUNDWATER SOURCE CAPACITY**  
**AND DRY YEAR PRODUCTION AMOUNT**  
**EXISTING, FUTURE AND RECOVERED ALLUVIAL AQUIFER WELLS<sup>(a)</sup>**  
**DRY YEAR DETAIL (2021-2030)**

Well	Permitted Capacity (gpm) <sup>(i)</sup>	Max. Annual Capacity (AFY) <sup>(i)</sup>	Dry Year (AF) <sup>(b)</sup>									
			2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
<b>Existing Wells<sup>(c)</sup></b>												
Castaic 1	640	1,030	420	420	420	420	420	420	420	420	420	420
Castaic 2	500	810	220	220	220	220	220	220	220	220	220	220
Castaic 4	330	530	-	-	-	-	-	-	-	-	-	-
Castaic 6	600	970	-	-	-	-	-	-	-	-	-	-
Castaic 7	2,000	3,230	730	730	730	730	730	730	730	730	730	730
Pinetree 3	550	890	-	-	-	-	-	-	-	-	-	-
Pinetree 4	500	810	-	-	-	-	-	-	-	-	-	-
Guida	1,000	1,610	560	560	560	560	560	560	560	560	560	560
Lost Canyon 2 <sup>(d)</sup>	800	1,290	250	250	-	-	-	-	-	250	250	250
Lost Canyon 2A <sup>(d)</sup>	1,000	1,610	160	160	-	-	-	-	-	160	160	160
N. Oaks West	750	1,210	-	-	-	-	-	-	-	-	-	-
Sand Canyon	1,200	1,940	310	310	-	-	-	-	-	310	310	310
Well E-15 <sup>(d)</sup>	1,400	2,260	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,360
Well W9	800	1,290	940	940	940	940	940	940	-	940	940	700
Well W11	1,000	1,610	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,210	1,000
Well E-17 <sup>(d)</sup>	1,200	1,940	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	620
<b>Existing Subtotal</b>	<b>14,270</b>	<b>23,030</b>	<b>7,300</b>	<b>7,300</b>	<b>6,580</b>	<b>6,580</b>	<b>6,580</b>	<b>6,580</b>	<b>5,640</b>	<b>7,300</b>	<b>7,300</b>	<b>6,330</b>
<b>Future and Recovered Wells<sup>(e)</sup></b>												
Pinetree 1 <sup>(f)</sup>	300	480	-	-	-	-	-	-	-	-	-	-
Pinetree 5 <sup>(f)</sup>	500	810	-	-	-	-	-	-	-	-	-	-
Clark <sup>(f)</sup>	550	890	-	-	-	-	-	-	-	270	270	270
Honby <sup>(f)</sup>	950	1,530	-	-	-	800	800	110	110	110	110	110
Mitchell 5B <sup>(f)</sup>	1,000	1,610	-	-	-	-	-	-	-	60	60	60
N. Oaks Central <sup>(f)</sup>	1,200	1,940	-	-	-	-	-	-	-	340	340	340
N. Oaks East <sup>(f)</sup>	950	1,530	-	-	-	-	-	-	-	220	220	220
Santa Clara <sup>(f)</sup>	1,500	2,420	-	-	-	800	800	250	250	250	250	250
Sierra <sup>(f)</sup>	1,000	1,610	-	-	-	-	-	-	-	60	60	60
Valley Center <sup>(f)</sup>	1,200	1,940	-	800	1,000	1,000	1,000	1,000	610	610	610	610
Well D <sup>(f)</sup>	1,050	1,690	-	-	-	-	-	-	-	920	920	920
Well N <sup>(f)</sup>	1,250	2,020	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060	1,060
Well N7 <sup>(f)</sup>	2,500	4,040	2,310	2,310	2,310	2,310	2,310	2,310	1,680	1,680	1,680	1,680
Well N8 <sup>(f)</sup>	2,500	4,040	2,310	2,310	2,310	2,100	2,310	2,310	1,680	1,680	1,680	1,680
Well Q2 <sup>(g)</sup>	1,200	1,940	-	1,110	1,110	1,110	1,110	1,110	850	850	850	850
Well S6 <sup>(f)</sup>	2,000	3,230	-	-	-	-	-	-	2,080	2,080	2,080	2,080
Well S7 <sup>(f)</sup>	2,000	3,230	-	-	-	-	-	-	780	780	780	780
Well S8 <sup>(f)</sup>	2,000	3,230	-	-	-	-	-	-	760	760	760	760
Well T7 <sup>(f)</sup>	1,200	1,940	-	-	-	-	-	360	360	360	360	360
Well U4 <sup>(f)</sup>	1,000	1,610	-	-	-	-	-	570	570	570	570	570
Well U6 <sup>(f)</sup>	1,250	2,020	-	-	-	-	-	660	660	660	660	660
Well W10 <sup>(f)</sup>	1,500	2,420	-	-	-	-	-	-	-	1,030	1,030	1,490
Well E-14 <sup>(h)</sup>	1,200	1,940	-	-	-	-	-	-	620	620	620	620
Well E-16 <sup>(h)</sup>	1,200	1,940	-	-	-	-	-	-	580	580	580	580
Well G-45 <sup>(h)</sup>	1,200	1,940	-	-	-	-	-	-	-	-	650	690
Well C-11 <sup>(h)</sup>	2,000	3,230	-	-	-	-	-	-	-	-	-	-
Well C-12 <sup>(h)</sup>	2,000	3,230	-	-	-	-	-	-	-	-	-	-
S9 (Mitchell 5A Replacement) <sup>(h)</sup>	1,000	1,610	-	-	-	-	-	-	-	320	320	320
<b>Future Subtotal</b>	<b>37,200</b>	<b>60,060</b>	<b>5,680</b>	<b>7,590</b>	<b>7,790</b>	<b>9,180</b>	<b>9,390</b>	<b>9,740</b>	<b>12,650</b>	<b>15,870</b>	<b>16,520</b>	<b>17,020</b>
<b>Total</b>	<b>51,470</b>	<b>83,090</b>	<b>12,980</b>	<b>14,890</b>	<b>14,370</b>	<b>15,760</b>	<b>15,970</b>	<b>16,320</b>	<b>18,290</b>	<b>23,170</b>	<b>23,820</b>	<b>23,350</b>

Notes:

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) Dry-year production represents anticipated maximum dry year production. Schedule for recovered well capacity based on 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum (GTIP), Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (c) Existing category include all wells online and in use during the 2020 UWMP update. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment.
- (d) In 2020 UWMP E wells and Lost Canyon were not above the RL but were anticipated to be connected into central treatment systems. Most recent water quality updates confirm treatment will be needed at these facilities.
- (e) Future category includes all wells restored from PFAS and Perchlorate water quality issues, and other future alluvial wells including those associated with development under the Newhall Ranch Specific Plan during the 2020 UWMP update.
- (f) PFAS impacted well.
- (g) Perchlorate impacted well.
- (h) Future wells.
- (i) Permitted and Maximum Annual Capacity for wells does not represent anticipated water supply provided by wells.

### **Sustainability**

Until 2003, the long-term renewability of Alluvial groundwater was empirically determined from approximately 60 years of pumping and groundwater level records. Generally, those long-term observations included stability in groundwater levels and storage, with some dry-period fluctuations in the eastern part of the Basin. During this period, the total Alluvial pumpage ranged from a low of about 20,000 AFY to as high as about 43,000 AFY. Those empirical observations have since been complemented by the development and application of a numerical groundwater flow model, which has been used to simulate aquifer response to the planned operating ranges and distribution of pumping. The numerical groundwater flow model has also been used to analyze the control of perchlorate contaminant migration. The model was used to evaluate the likelihood of perchlorate migration to the then VWC wells, in particular Well Q2 and the wells in the VWC Pardee wellfield. The assessment of perchlorate migration also evaluated the sustainability and reliability of water supplies from the Alluvial aquifer. This analysis (LSCE, 2005) concluded that there was sufficient production capacity in the Alluvium to meet water demands in the case of VWC Well Q2 and/or the Pardee well field being temporarily taken out of service due to perchlorate impacts.

To examine the yield of the Alluvium, or more specifically the sustainability of the Alluvium on a renewable basis, the original groundwater flow model was used to examine the long-term projected response of the aquifer to pumping for municipal and agricultural uses in the 30,000 to 40,000 AFY range under average/normal and wet conditions, and in the 30,000 to 35,000 AFY range under locally dry conditions, documented in the 2005 basin yield analysis (2005 Basin Yield Analysis), prepared by CH2M Hill & LSCE, 2005. To examine the response of the entire aquifer system, the original model also incorporated pumping from the Saugus Formation in accordance with the normal (7,500 to 15,000 AFY) and dry year (15,000 to 35,000 AFY) operating plan for that aquifer. The model was run over a synthetic 78-year hydrologic period, which was selected from actual historical precipitation to examine a number of hydrologic conditions expected to affect both groundwater pumping and groundwater recharge and including projected impacts from climate change.

The simulated Alluvial Aquifer response to the range of hydrologic conditions and pumping stresses was essentially a long-term repeat of the historical conditions that have resulted from similar pumping over the last several decades. The resultant response included (1) generally constant groundwater levels in the middle to western portion of the Alluvium, and fluctuating groundwater levels in the eastern portion as a function of wet and dry hydrologic conditions, (2) variations in recharge that directly correlate with wet and

dry hydrologic conditions and (3) no long-term decline in groundwater levels or storage. Consequently, the Alluvial Aquifer was considered in the 2005 UWMP to be a sustainable water supply source to meet the Alluvial portion of the operating plan for the groundwater Basin.

In 2008, partly in preparation for the 2010 UWMP and partly in response to concerns about events expected to impact the future reliability of supplemental water supply from the SWP, an updated analysis was undertaken to assess groundwater development potential and possible augmentation of the groundwater operating plan. In addition to extending the model's calibration, the updated analysis simulated the historical record of climate and incorporated SWP deliveries for those climatic conditions for an 86-year period from 1922 through 2007, in place of the original model's synthetic 78-year hydrologic period that had been developed prior to the availability of combined climate and SWP deliveries since 1922. While the overall operating plan ranges in the updated basin yield analysis did not change from the original operating plan, prevailing land-use conditions and the specific distributions of pumping were found to produce the same kinds of resultant Alluvial groundwater conditions as concluded to be sustainable in 2005 – (1) no long-term declines in Alluvial groundwater levels and storage; (2) multi-year periods of locally declining, or locally increasing, groundwater levels in response to cycles of below-normal and above-normal precipitation and (3) short-term impacts on pumping capacities in eastern parts of the basin due to declining groundwater levels during dry periods, mitigable by short-term redistribution of pumping to wells located in the central and western portions of the Basin (reflected in pumping volumes included in this WSV and the 2020 UWMP) and by conformance with the dry-period reduction in Alluvial pumping in the operating plan (Table 3-2). Based on the results of the updated basin yield analysis (LSCE & GSI, 2009), the operating plan is considered to reflect ongoing sustainable groundwater supply rates. In the Alluvium, sustainability was found via explicit simulation of pumping in wet/normal years near the upper end of the operating plan range. In dry years, sustainability was found via explicit simulation of pumping throughout the dry-year operating plan range, with the additional consideration that some redistribution of municipal pumping (reflected in this WSV and the 2020 UWMP and experienced in the dry years of 2014 and 2015) be implemented to achieve pumping rates near the dry-period range.

The SCV-GSA's work on Basin sustainability for the GSP has advanced the technical understanding of basin conditions since the 2009 basin yield analysis and confirms the previous conclusion. A new groundwater flow model using the U.S Geological Survey software MODFLOW-USG was developed calibrated and peer reviewed. The MODFLOW-USG model improves the spatial resolution and employs more sophisticated methods of representing stream/aquifer interactions among other advancements over the previous model. A more thorough discussion is documented in Development of a Numerical Groundwater Flow Model for the Santa Clara River Valley East Groundwater Subbasin GSI September 22, 2020. Additionally, the GSP Water Budget Analysis reflects updated climate change assumptions provided by DWR. New GSP technical reports defining the extent and nature of groundwater dependent ecosystems informed potential future adjustments of pumping distributions throughout the Alluvial Aquifer and Saugus Formation when considering sustainability criteria including potential impacts on groundwater dependent ecosystems. Accordingly, the 2020 UWMP reflects adjusted pumping distributions that are reflected in this WSV's Table 3-4(c).

On January 3, 2022, the GSP was adopted which reflects the most recent technical resources and analysis, and a robust public involvement and review process. The plan can be accessed at <https://scvgsa.org/wp-content/uploads/2021/12/SCV-GSP-Sections-Combined-20211217.pdf>.

The plan reached the following conclusions relating to sustainability:

1. Chronic Lowering of Groundwater Levels – Alluvium and Saugus Formation pumping consistent with the basin operating plan does not result in chronic lowering of groundwater levels.

2. Reduction of Groundwater Storage - Alluvium and Saugus Formation pumping consistent with the basin operating plan does not result in long-term groundwater storage depletion.
3. Degraded Water Quality – Implementation of treatment for known contaminants support continued Alluvium and Saugus Formation groundwater use consistent with the operating plan.
4. Land Subsidence – An evaluation of the available information indicates there is no evidence of land subsidence occurring. The GSP does identify additional data collection needs to ensure land subsidence remains a non-issue while achieving the basin operation plan. The GSP incorporates active monitoring stations.
5. Depletion of Interconnected Surface Water/Groundwater Dependent Ecosystems – Existing riparian habitat along the Santa Clara River is considered by resource agencies as having very high value. The extent and quality of the habitat can vary significantly from year to year in response to very wet or dry conditions and demonstrates considerable resiliency. Certain aquatic habitats are critical for known protected species such as the Three Spined Unarmored Stickle Back. The GSP incorporates a process that avoids groundwater pumping related permanent loss of riparian habitat or the temporary loss of critical aquatic habitat. Active monitoring of groundwater levels will occur and when trigger levels (set at or above historical groundwater levels) are reached, an assessment of the cause would be conducted. If impacts are related to pumping, then responsive measures and/or projects would be implemented. These could include a reduction of groundwater pumping.
6. Seawater Intrusion – The significant distance of the Alluvial Aquifer and Saugus Formation from the ocean, as well as differences in elevation, do not allow for seawater intrusion into the upper basin.

Considering the results of the 2009 basin yield analysis and the results of the updated groundwater analysis performed by the SCV-GSA for its GSP which included the pumping distributions consistent with those shown in Table 3-4(c), the basin can be sustainably operated without chronic lowering of groundwater levels or groundwater storage.

### **3.3.2.5 Saugus Formation**

Based on historical operating experience and recent (2005 and 2009) groundwater modeling analysis, the Saugus Formation can supply water on a long-term sustainable basis in a normal range of 7,500 to 15,000 AFY. Intermittent increases to 25,000 to 35,000 AF in dry years have not been historically experienced operationally, however, investigations of the Saugus Formation, historical groundwater level monitoring data, and numerical modeling indicate that the Saugus Formation can be pumped sustainably at these higher rates in dry years, followed by reductions in pumping in wet to normal years. The dry-year increases, based on modeled projections, demonstrate that the 25,000 to 35,000 AFY is a small amount of the large groundwater storage in the Saugus Formation and these amounts can be pumped over a relatively short (dry) period. This would be followed by recharge (replenishment) of that storage during a subsequent normal-to-wet period when the Saugus pumping would be reduced to 7,500 to 15,000 AFY.

#### ***Adequacy of Supply***

For municipal water supply with existing wells, SCV Water has a combined pumping capacity from active Saugus wells of nearly 16,200 gpm, which translates into a full-time Saugus Formation source capacity of about 26,120 AFY. Additionally, LACWWD 36 completed a Saugus Formation Well with a pumping capacity estimated at 2,000 gpm and an annual capacity of 3,220 AFY. Saugus Formation pumping capacity from all the existing active municipal supply wells as well as restored, replacement, and planned



new supply wells is summarized in Table 3-5(a). The active wells include two Saugus Formation wells contaminated by perchlorate (Saugus 1 and 2), which were returned to service in 2010 with treatment facilities for use of the treated water for municipal supply under permit from DDW. The active wells also include the most recent replacement well, Well 207, in a non-impacted part of the basin. Also included in Table 3-5(a) is Well 201, which was impacted by the detection of perchlorate and removed from service in 2010. The well has been equipped with treatment facilities for perchlorate and was awaiting final DDW approval. After further input from DDW, a second treatment train is being designed for treatment of VOCs to ensure compliance with DDW's 97-005 permitting requirements. Well 201 is anticipated to provide a total of 2,000 gpm of pumping capacity and the VOC treatment system is currently being constructed with an anticipated return to service sometime in 2025. Similarly, Well 205, was taken out of service for perchlorate. Treatment for this facility is moving to the final design stage and it is anticipated to return to service in 2026.

To achieve full dry year production, six additional Saugus wells are planned. Two of these wells, Saugus 3 and 4, located behind Magic Mountain, have been designed and are currently being constructed. It is estimated that these wells should be available in 2026. The next wells anticipated to be available are Saugus 5 and 6, located in the Castaic Junction area. Sites have been secured for these wells and they are anticipated to be available in 2027. To accommodate the shifting of pumping patterns associated with treatment being added at Well 201 and Well 205 the GSP Water Budget Analysis concluded that two additional dry-year wells would be required to meet the Saugus Formation pumping objectives. These final two wells, Saugus 7 and Saugus 8, do not have specific sites. The GSP Water Budget Analysis assumed these wells would be located near the South Fork of the Santa Clara River in the vicinity of the existing Saugus Wells 12 and 13. These wells are anticipated to become available in 2030. Additional details on DDW permitting and associated timeline for Saugus wells are provided in Section 4.7.

In terms of adequacy and availability, the combined active (existing) Saugus groundwater source capacity of municipal wells is more than sufficient to meet the planned use of Saugus groundwater in normal years of 7,500 to 15,000 AFY as referenced 3-5(a)(b)(c). This existing active capacity is also more than sufficient to meet near-term dry year water demands, in combination with other sources. In order to supplement long term dry-year supplies, additional Saugus Formation wells are planned to be operational within the next ten years.

With the restored capacity of Wells 201 and 205 and the additional planned new Saugus Formation wells, the total dry year combined capacity will increase. As shown in Table 3-5(c), this combined capacity would be more than sufficient to meet the multiple dry year municipal production target of 33,880 AFY.

**TABLE 3-5(a)**  
**COMPARISON OF EXISTING AND FUTURE/RECOVERED SAUGUS WELL CAPACITY TO**  
**ANTICIPATED PUMPING<sup>(a)</sup>**

Well	Permitted Capacity (gpm) <sup>(j)</sup>	Max. Annual Capacity (AF) <sup>(j)</sup>	GSP Water Budget Analysis <sup>(b)(i)</sup>		
			Normal Year (AF)	Dry Year (AF)	
<b>Existing Wells <sup>(c)</sup></b>					
LACWWD36 <sup>(d)</sup>					
	Palmer	2,000	3,220	500	1,250
SCV Water					
	12 <sup>(i)</sup>	2,500	4,030	530	2,280
	13	2,500	4,030	540	2,280
	160	2,000	3,230	-	680
	201 <sup>(e)</sup>	2,000	3,230	2,420	2,900
	206	2,500	4,030	180	2,830
	207	2,500	4,030	140	2,860
	Saugus 1	1,100	1,770	1,450	1,450
	Saugus 2	1,100	1,770	1,350	1,350
<i>SCV Water Subtotal</i>		<i>16,200</i>	<i>26,120</i>	<i>6,610</i>	<i>16,630</i>
<i>Existing Purveyor Subtotal</i>		<i>18,200</i>	<i>29,340</i>	<i>7,110</i>	<i>17,880</i>
<b>Future<sup>(f)</sup> and Recoverd Wells</b>					
	205 <sup>(g)</sup>	2,700	4,360	2,610	2,920
	Saugus 3 <sup>(h)</sup>	2,500	4,030	30	2,620
	Saugus 4 <sup>(h)</sup>	2,500	4,030	30	2,620
	Saugus 5 <sup>(h)</sup>	2,000	3,230	30	1,940
	Saugus 6 <sup>(h)</sup>	2,000	3,230	30	1,940
	Saugus 7 <sup>(h)</sup>	2,000	3,230	30	1,940
	Saugus 8 <sup>(h)</sup>	2,000	3,230	30	1,940
<i>Future Subtotal</i>		<i>15,700</i>	<i>25,340</i>	<i>2,790</i>	<i>15,920</i>
<b>Total Purveyors</b>		<b>33,900</b>	<b>54,680</b>	<b>9,900</b>	<b>33,800</b>

Notes:

(a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Draft Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).

(b) Production for Normal and Dry years represented in this table represents the period after all impacted wells (PFAS, Perchlorate and VOC impacts) are recovered. See Tables 3-5b and 3-5c for anticipated production from 2021-2030. Dry-year production represents anticipated maximum dry year production. Schedule for recovered well capacity based on 2023 Addendum Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021. All tables have been updated from 2020 UWMP in Appendix E.(c) Existing Category include all wells online and in use during the 2020 UWMP update. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment.

(d) LAWWD36 anticipated production for normal and dry years.

(e) Well 201 could have been put online through 97-005 permitting process, however treatment plans were altered and Well 201 is now awaiting supplemental VOC treatment and DDW permitting. Anticipate return to service in 2025.

- (f) Future Category includes all wells restored from PFAS, Perchlorate and VOC water quality issues, and other future Saugus wells during the 2020 UWMP update.
- (g) Well 205 is impacted by Perchlorate and VOC's and is expected to return to service in 2026.
- (h) Future wells, Saugus 3 & 4, are planned replacement wells, Saugus 5-8 are new Dry Year wells. The new dry-year wells would not typically be operated during average/normal years.
- (i) Well 12 capacity was reduced to 2,000 gpm which translates to an annual capacity 3,230 afy,
- (j) Permitted and Maximum Annual Capacity for wells does not represent anticipated water supply provided by wells.

**TABLE 3-5(b)**  
**MUNICIPAL GROUNDWATER SOURCE CAPACITY AND NORMAL YEAR PRODUCTION AMOUNT**  
**EXISTING, FUTURE AND RECOVERED SAUGUS FORMATION WELLS<sup>(a)</sup>**  
**NORMAL YEAR DETAIL (2021-2030)**

Well	Permitted Capacity (gpm) <sup>(i)</sup>	Max. Annual Capacity (AF) <sup>(i)</sup>	Normal Year (AF) <sup>(b)</sup>										
			2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>Existing Wells<sup>(c)</sup></b>													
LACWWD36 <sup>(d)</sup>													
Palmer	2,000	3,220	500	500	500	500	500	500	500	500	500	500	500
SCV Water													
12 <sup>(i)</sup>	2,500	4,030	2,220	2,220	2,220	2,200	1,500	1,500	530	530	530	530	530
13	2,500	4,030	2,280	2,280	1,500	1,500	1,500	1,500	540	540	540	540	540
160	2,000	3,230	-	-	-	-	-	-	-	-	-	-	-
201 <sup>(e)</sup>	2,000	3,230	-	-	-	-	2,580	2,480	2,420	2,420	2,420	2,420	2,420
206 <sup>(k)</sup>	2,500	4,030	2,830	2,830	2,830	2,830	2,020	200	-	200	200	200	180
207 <sup>(k)</sup>	2,500	4,030	2,860	2,860	2,860	2,830	2,040	180	-	180	180	180	140
Saugus 1	1,100	1,770	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450
Saugus 2	1,100	1,770	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
<b>SCV Water Subtotal</b>	<b>16,200</b>	<b>26,120</b>	<b>12,990</b>	<b>12,990</b>	<b>12,210</b>	<b>12,160</b>	<b>12,440</b>	<b>8,660</b>	<b>6,290</b>	<b>6,670</b>	<b>6,670</b>	<b>6,670</b>	<b>6,610</b>
<b>Existing Purveyor Subtotal</b>	<b>18,200</b>	<b>29,340</b>	<b>13,490</b>	<b>13,490</b>	<b>12,710</b>	<b>12,660</b>	<b>12,940</b>	<b>9,160</b>	<b>6,790</b>	<b>7,170</b>	<b>7,170</b>	<b>7,170</b>	<b>7,110</b>
<b>Future<sup>(f)</sup> and Recoverd Wells</b>													
205 <sup>(g)</sup>	2,700	4,360	-	-	-	-	-	2,610	2,610	2,610	2,610	2,610	2,610
Saugus 3 <sup>(h)</sup>	2,500	4,030						30	30	30	30	30	30
Saugus 4 <sup>(h)</sup>	2,500	4,030						30	30	30	30	30	30
Saugus 5 <sup>(h)</sup>	2,000	3,230							30	30	30	30	30
Saugus 6 <sup>(h)</sup>	2,000	3,230							30	30	30	30	30
Saugus 7 <sup>(h)</sup>	2,000	3,230											30
Saugus 8 <sup>(h)</sup>	2,000	3,230											30
<b>Future Subtotal</b>	<b>15,700</b>	<b>25,340</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,670</b>	<b>2,730</b>	<b>2,730</b>	<b>2,730</b>	<b>2,730</b>	<b>2,790</b>
<b>Total Purveyors<sup>(l)</sup></b>	<b>33,900</b>	<b>54,680</b>	<b>13,490</b>	<b>13,490</b>	<b>12,710</b>	<b>12,660</b>	<b>12,940</b>	<b>11,830</b>	<b>9,520</b>	<b>9,900</b>	<b>9,900</b>	<b>9,900</b>	<b>9,900</b>

**Notes:**

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis(LSC & GSI 2009).
- (b) Schedule for recovered well capacity based on 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (c) Existing Category include all wells online and in use during the 2020 UWMP update. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment.
- (d) LAWWD36 anticipated production for normal and dry years.
- (e) Well 201 could have been put online through 97-005 permitting process, however treatment plans were altered and Well 201 is now awaiting supplemental VOC treatment and DDW permitting. Anticipate return to service in 2025.
- (f) Future Category includes all wells restored from PFAS, Perchlorate and VOC water quality issues, and other future Saugus wells during the 2020 UWMP update.
- (g) Well 205 is impacted by Perchlorate and VOC's and is expected to return to service in 2025.
- (h) Future wells, Saugus 3 & 4, are planned replacement wells, Saugus 5-8 are new Dry Year wells. The new dry-year wells would not typically be operated during average/normal years.
- (i) Permitted at 2,500 gpm but capacity was reduced to 2,000 gpm during last rehab. Which translates- to a maximum capacity of 3230.
- (j) Permitted and Max. Annual Capacity for wells does not represent the anticipated water supply provided by wells.
- (k) Well 206 and 207 assumed offline in 2027 until treatment is installed in 2028, as proposed USEPA regulations become established.
- (l) Permitted and Maximum Annual Capacity for wells does not represent anticipated water supply provided by wells.

**TABLE 3-5(c)**  
**MUNICIPAL GROUNDWATER SOURCE CAPACITY AND DRY YEAR PRODUCTION AMOUNT**  
**EXISTING, FUTURE AND RECOVERED SAUGUS FORMATION WELLS<sup>(a)</sup>**  
**DRY YEAR DETAIL (2021-2030)**

Well	Permitted Capacity (gpm) <sup>(i)</sup>	Max. Annual Capacity (AF) <sup>(i)</sup>	Dry Year (AF) <sup>(b)</sup>										
			2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	
<b>Existing Wells<sup>(c)</sup></b>													
<b>LACWWD36<sup>(d)</sup></b>													
Palmer	2,000	3,220	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
<b>SCV Water</b>													
12 <sup>(i)</sup>	2,500	4,030	2,280	2,280	2,280	2,280	1,500	2,280	2,280	2,280	2,280	2,280	2,280
13	2,500	4,030	2,280	2,280	1,500	1,500	1,500	2,280	2,280	2,280	2,280	2,280	2,280
160	2,000	3,230	680	680	680	680	680	680	680	680	680	680	680
201 <sup>(e)</sup>	2,000	3,230	-	-	-	-	2,900	2,900	2,900	2,900	2,900	2,900	2,900
206 <sup>(k)</sup>	2,500	4,030	2,830	2,830	2,830	2,830	2,830	2,830	-	2,830	2,830	2,830	2,830
207 <sup>(k)</sup>	2,500	4,030	2,860	2,860	2,860	2,860	2,860	2,860	-	2,860	2,860	2,860	2,860
Saugus 1	1,100	1,770	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450	1,450
Saugus 2	1,100	1,770	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
<b>SCV Water Subtotal</b>	<b>16,200</b>	<b>26,120</b>	<b>13,730</b>	<b>13,730</b>	<b>12,950</b>	<b>12,950</b>	<b>15,070</b>	<b>16,630</b>	<b>10,940</b>	<b>16,630</b>	<b>16,630</b>	<b>16,630</b>	<b>16,630</b>
<b>Existing Purveyor Subtotal</b>	<b>18,200</b>	<b>29,340</b>	<b>14,980</b>	<b>14,980</b>	<b>14,200</b>	<b>14,200</b>	<b>16,320</b>	<b>17,880</b>	<b>12,190</b>	<b>17,880</b>	<b>17,880</b>	<b>17,880</b>	<b>17,880</b>
<b>Future<sup>(f)</sup> and Recoverd Wells</b>													
205 <sup>(g)</sup>	2,700	4,360	-	-	-	-	-	3,050	3,050	3,050	3,050	3,050	2,920
Saugus 3 <sup>(h)</sup>	2,500	4,030						3,020	2,620	2,620	2,620	2,620	2,620
Saugus 4 <sup>(h)</sup>	2,500	4,030						3,020	2,620	2,620	2,620	2,620	2,620
Saugus 5 <sup>(h)</sup>	2,000	3,230							2,420	2,420	2,420	2,420	1,940
Saugus 6 <sup>(h)</sup>	2,000	3,230							2,420	2,420	2,420	2,420	1,940
Saugus 7 <sup>(h)</sup>	2,000	3,230											1,940
Saugus 8 <sup>(h)</sup>	2,000	3,230											1,940
<b>Future Subtotal</b>	<b>15,700</b>	<b>25,340</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,090</b>	<b>13,130</b>	<b>13,130</b>	<b>13,130</b>	<b>13,130</b>	<b>15,920</b>
<b>Total Purveyors<sup>(j)</sup></b>	<b>33,900</b>	<b>54,680</b>	<b>14,980</b>	<b>14,980</b>	<b>14,200</b>	<b>14,200</b>	<b>16,320</b>	<b>26,970</b>	<b>25,320</b>	<b>31,010</b>	<b>31,010</b>	<b>31,010</b>	<b>33,800</b>

**Notes:**

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) Schedule for recovered well capacity based on 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (c) Existing Category include all wells online and in use during the 2020 UWMP update. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment.(d) LAWWD36 anticipated production for normal and dry years.
- (e) Well 201 could have been put online through 97-005 permitting process, however treatment plans were altered and Well 201 is now awaiting supplemental VOC treatment and DDW permitting. Anticipate return to service in 2025.
- (f) Future Category includes all wells restored from PFAS, Perchlorate and VOC water quality issues, and other future Saugus wells during the 2020 UWMP update.(g) Well 205 is impacted by Perchlorate and VOC's and is expected to return to service in 2025.
- (h) Future wells, Saugus 3 & 4, are planned replacement wells, Saugus 5-8 are new Dry Year wells. The new dry-year wells would not typically be operated during average/normal years.
- (i) Permitted at 2,500 gpm but capacity was reduced to 2,000 gpm during last rehab.
- (j) Permitted and Max. Annual Capacity for wells does not represent the anticipated water supply provided by wells.
- (k) Well 206 and 207 assumed offline in 2027 until treatment is installed in 2028, as proposed USEPA regulations become established.
- (l) Permitted and Max. Annual Capacity for wells does not represent anticipated water supply provided by wells.

## **Sustainability**

Until 2003, the long-term sustainability of Saugus Formation groundwater was empirically estimated from limited historical experience. Historically (and continuing to the present), pumping from the Saugus Formation has been fairly low in most years, with one four-year period of increased pumping up to about 15,000 AFY that had short-term water level impacts but produced no long-term depletion of the substantial groundwater storage in the Saugus Formation. Those empirical observations have now been complemented by the development and application of the numerical groundwater flow model. The numerical groundwater flow model has also been used to analyze the control of perchlorate contaminant migration on two separate occasions under selected pumping conditions. The first occasion resulted in the implementation of a plan to restore, with treatment, pumping capacity that was formerly inactivated due to perchlorate contamination detected in the Saugus 1 and Saugus 2 wells in the Basin. The second occasion utilized the numerical groundwater flow model to evaluate preferred plans to control the migration of perchlorate in the vicinity of Well 201. As discussed in Section 3, those restoration efforts have been undertaken and the restoration of that pumping is reflected in the Saugus Formation operating plan (Table 3-2) and pumping distribution (Table 3-5(a)).

To examine the yield of the Saugus Formation, or its sustainability on a renewable basis, the original groundwater flow model was used to examine long-term projected response to pumping from both the Alluvium and the Saugus Formation over the synthetic 78-year period of hydrologic conditions that incorporated alternating wet and dry periods as have historically occurred (CH2M Hill and LSCE, 2005). The model was based upon field investigations and historical data collected from numerous sources including annual reports prepared by LSCE and investigations of Saugus Formation and Alluvial aquifers by CH2M Hill and Richard C. Slade and Associates among others (CH2M Hill, 2004a, 2004b, 2005a; CH2M Hill & LSCE 2005; LSCE 2005; Slade & Associates 1986, 1988, 2002). The pumping simulated in the model was in accordance with the then-current operating plan for the Basin. For the Saugus Formation, simulated pumping included the then-planned restoration of historic pumping from the wells impacted by perchlorate at that time (Saugus 1 and Saugus 2).

The originally simulated Saugus Formation response to the ranges of operating plan pumping under assumed recurrent historical hydrologic conditions was consistent with actual experience under smaller pumping rates: (1) short-term declines in groundwater levels and storage near pumped wells during dry-period pumping, (2) recovery of groundwater levels and storage after cessation of dry-period pumping and (3) no long-term decreases or depletion of groundwater levels or storage. The combination of actual experience with Saugus Formation recharge and pumping up to about 15,000 AFY, complemented by modeled projections of aquifer response that showed long-term utility of the Saugus Formation at 7,500 to 15,000 AFY in normal years and rapid recovery from higher pumping rates during intermittent dry periods, was the basis for concluding that the Saugus Formation could be considered a sustainable water supply source to meet the Saugus Formation portion of the operating plan for the groundwater Basin.

As discussed under Sustainability of the Alluvium above, an updated basin yield analysis was undertaken in 2008 to assess groundwater development potential and possible augmentation of the groundwater operating plan. After extended and updated model calibration and incorporation of extended historical records, the overall operating plan (Table 3-2) and specific distribution of Saugus Formation pumping were found to produce the same kinds of resultant Saugus Formation groundwater conditions as concluded to be sustainable in 2005 – (1) long-term stability of groundwater levels, with no sustained declines; (2) groundwater levels slightly below historic Saugus Formation levels, in response to greater long-term utilization of the Saugus and (3) maintenance of sufficiently high Saugus Formation groundwater levels to ensure achievement of planned individual pumping capacities (Table 3-5). Thus, the operating plan for the Saugus Formation, with fairly low pumping in wet/normal years and increased pumping through dry periods, is concluded to reflect sustainable groundwater supply rates.

The SCV-GSA's work on basin sustainability for the GSP has advanced the technical understanding of basin conditions since the 2009 basin yield analysis and confirms the previous conclusion. A new groundwater flow model using the U.S Geological Survey software MODFLOW-USG was developed calibrated and peer reviewed. The MODFLOW-USG model improves spatial resolution and employs more sophisticated methods of representing stream/aquifer interactions among other advancements over the previous model. A more thorough discussion is documented in Development of a Numerical Groundwater Flow Model for the Santa Clara River Valley East Groundwater Subbasin (GSI 2020). Additionally, the GSP Water Budget Analysis reflects updated climate change assumptions provided by DWR. New GSP technical reports defining the extent and nature of groundwater dependent ecosystems informed potential future adjustments of pumping distributions throughout the Alluvial Aquifer and Saugus Formation when considering likely sustainability criteria and potential impacts on groundwater dependent ecosystems. Accordingly, the 2020 UWMP reflects adjusted pumping distributions that are reflected in this WSV's Table 3-5(a).

On January 3, 2022, the SCV GSP adopted the GSP which reflected updated technical resources and analysis, and a robust public involvement and review process. The plan can be accessed at: <https://scvgsa.org/wp-content/uploads/2022/02/Santa-Clara-River-Valley-East-Groundwater-Subbasin-GSP.pdf>

The plan reached the following conclusions relating to sustainability:

1. Chronic Lowering of Groundwater Levels – Alluvium and Saugus Formation pumping consistent with the basin operating plan does not result in chronic lowering of groundwater levels.
2. Reduction of Groundwater Storage - Alluvium and Saugus Formation pumping consistent with the basin operating plan does not result in long-term groundwater storage depletion.
3. Degraded Water Quality – Implementation of treatment for known contaminants support continued Alluvium and Saugus Formation pumping consistent with the operating plan.
4. Land Subsidence – An evaluation of the available information indicates there is no evidence of land subsidence occurring. The GSP does identify additional data collection needs to ensure land subsidence remains a non-issue while achieving the basin operating plan. The GSP incorporates active monitoring stations.
5. Depletion of Interconnected Surface Water/Groundwater Dependent Ecosystems – Existing riparian habitat along the Santa Clara River is considered by resource agencies as having very high value. The extent and quality of the habitat can vary significantly from year to year in response to very wet or dry conditions and demonstrates considerable resiliency. Certain aquatic habitats are critical for known protected species such as the Three Spined Unarmored Stickle Back. The GSP incorporates a process that avoids groundwater pumping related to permanent loss of riparian habitat or the temporary loss of critical aquatic habitat. Active monitoring of groundwater levels will occur and when trigger levels (set at or above historical groundwater levels) are reached, an assessment of the cause would be conducted. If impacts are related to pumping, then responsive measures and/or projects would be implemented. These could include a reduction of groundwater pumping
6. Sea Water Intrusion – The proximity of the Alluvial Aquifer and Saugus Formation to the ocean as well as differences in elevation, do not allow for seawater intrusion into the upper basin.

The results of the 2009 basin yield analysis and the results of the updated groundwater analysis performed by the SCV-GSA for the GSP, which included pumping distributions consistent with those shown in Table 3-5(a), show that the basin can be sustainably operated without chronic lowering of groundwater levels or

groundwater storage. Thus, the operating plan for the Saugus Formation, with fairly low pumping in wet/normal years and increased pumping through dry periods, is concluded to reflect sustainable groundwater supply rates.

### **3.3.3 Existing and Planned Groundwater Pumping**

#### **3.3.3.1 Impacted Well Capacity**

As discussed above and below, USEPA recently implemented a new lifetime health advisory level of 70 parts per trillion (or 70 nanogram per liter (ng/l)) for polyfluoroalkyl substances (PFAS). In August of 2019, DDW set notification level (NL) and response levels for various PFAS constituents. SCV Water wells were tested and as of February 2020, over 60% of Alluvium wells exceeded the NL or RL resulting in 18 wells being taken out of service. Treatment for four of these wells (N-Wells and Valley Center) has been installed, permitted with DDW, and is now operational. Construction is underway for treatment of two additional wells, Honby and Santa Clara, which are scheduled to be returning to service by 2024. Preliminary design for an additional 6 wells is under way and these are anticipated to be returning to service between 2026 and 2027. The remaining wells are anticipated to have treatment installed by 2030. A feasibility assessment and schedule for completion of these wells are shown in the April 2021 Technical Memorandum, Groundwater Treatment Implementation Plan (Kennedy Jenks 2021).

In March 2023, the USEPA announced a proposal to establish national maximum contaminant levels (MCL) for several PFAS chemicals in drinking water. The proposal includes limiting PFOA and PFAS to 4 parts per trillion (ppt, ng/L) and usage of a Hazard Index (HI) approach for several other PFAS including PFHxS, PFBS, PFNA, and HFPO-DA. The HI is a tool used to evaluate potential health risks from exposure to chemical mixtures based on an assumption of dose additivity. A 2023 Addendum to the SCV Water Groundwater Treatment Implementation Plan (Kennedy Jenks 2023) has been prepared to update the wells which may require treatment due to the proposed MCL's as well as a schedule of completion for their treatment.

The Addendum to the Implementation Plan evaluated all SCV Water groundwater wells recent contaminant levels and concluded that an additional 9 wells fell above 80% of the proposed new MCL levels. Preliminary design for the treatment of a total of 34 wells is currently being planned and all wells are anticipated to be back online by 2030. The Capital Improvement Section of SCV Water's FY 2023/2024 and FY2024/25 Biennial Budget provides near and long-term treatment funding for PFAS impacted alluvial wells.

As discussed in Section 6.2.1 of the 2020 UWMP and incorporated herein, certain wells in the Basin were impacted by perchlorate contamination and thus represented a temporary loss of well capacity within SCV Water's service area. Six wells were initially taken out of service upon the detection of perchlorate including four Saugus wells and two Alluvial wells. All have either been (1) abandoned and replaced, (2) returned to service with the addition of treatment facilities that allow the wells to be used for municipal Water supply as part of the overall water supply systems permitted by DDW, or (3) will be replaced under an existing perchlorate litigation settlement agreement (see Section 4). The restored wells (two Saugus wells and one Alluvial well), one Saugus well which is currently being restored, and the replacement wells (one Saugus and one Alluvial well), which collectively restore much of the temporarily lost well capacity, are now included as parts of the municipal groundwater source capacities. Additional wells will be drilled to fully restore the impacted well capacity, thus restoring the operational flexibility that existed prior to perchlorate contamination being discovered.



In August 2010, Well 201, located downgradient from the Whittaker-Bermite site and downgradient from the initially impacted Saugus 1 and Saugus 2 wells and well 157 had detections of perchlorate and was removed from service. Perchlorate treatment facilities were constructed and are operational for Well 201. After further input from DDW, a second treatment train is being designed for treatment of VOCs to ensure compliance with DDW's 97-005 permitting requirements. Well 201 is anticipated to provide a total of 2,000 gpm of pumping capacity (for a dry-year production capacity of 2,900 AFY) and is shown in Table 3-5(a) as being returned to service in 2025. Similarly, Well 205, was taken out of service for perchlorate. Treatment for this facility is under the final stages of design and it is anticipated to return to service in 2026 as shown in Tables 3-5(b) and 3-5(c). Additional details on DDW permitting and associated timeline for Saugus wells 201 and 205 are provided in Section 4.7.

To achieve full dry-year production, six additional Saugus wells are planned. Two of these wells Saugus 3 and 4, located west of Magic Mountain, have been designed and are currently being constructed. It is estimated that these wells should be available in 2026. The next wells anticipated to be available are Saugus 5 and 6, located in the Castaic Junction area. Sites for these wells have been secured and the wells are anticipated to be available in 2027. The final two wells, Saugus 7 and 8, do not have specific sites. The GSP Water Budget Analysis (GSI 2020a) assumed these wells would be located near the South Fork of the Santa Clara River in the vicinity of the existing Saugus Wells 12 and 13. These wells are anticipated to become available in 2030. Additional details on DDW permitting and associated timeline for Saugus wells are provided in Section 4.7.

SCV Water has actively pursued cost recovery for water quality impacts to the local groundwater basin. The Agency's predecessors in interest, CLWA, SCWD, NCWD and VWC, filed suit in November 2000 against the then-current owner and prior owner and operator of the Whittaker Bermite industrial site, a 996-acre munitions manufacturing facility that was later determined to be the source of perchlorate and other water quality contamination, and sought to recover the costs to restore lost well water production capacity and other specified damages.

In May 2007, SCV Water's predecessors in interest and defendants entered into the Castaic Water Agency Litigation Settlement Agreement (the "Settlement Agreement") that involved an estimated potential payment of up to \$100,000,000 by the defendants. Under the Settlement Agreement, defendants periodically deposit funds into various escrow accounts from which SCV Water draws to pay for the costs of restoration of wells and contamination removal. A major component of the Settlement Agreement involved the construction of the perchlorate treatment facility and related distribution system and the Saugus 1 and Saugus 2 wells (two of the four wells that were shut down in 1997) returned to service in January 2011. The perchlorate treatment facility includes an ion exchange process located at the Rio Vista Intake Pump Station. A perchlorate treatment facility went online in May 2023 for the Q-2 well. The Settlement Agreement also provides funds to assist in the payment of operation and maintenance costs for such a system for up to 30 years, which the agencies estimate to cost as much as \$50,000,000.

Approximately \$47,000,000 has been reimbursed to SCV Water or its predecessors for past expenditures pursuant to the Settlement Agreement. Another \$8,335,000 has been approved by SCV Water to construct wells and pipelines to supply water that will replace capacity lost from contaminated wells. Approximately \$1,000,000 is currently reimbursed to SCV Water annually for operations and maintenance costs related to the operation and maintenance of the treatment system for the Saugus 1 and Saugus 2 Wells. The annual operation and maintenance reimbursements are expected to increase as more treatment systems are placed in service. Amounts reimbursed to SCV Water for such operations and maintenance costs are treated as revenues of SCV Water.

In 2018, SCV Water filed a complaint against the Whittaker Corporation over contamination caused by VOCs detected in groundwater supplies at Saugus 1, Saugus 2, V-201 and V-205 wells. A final judgment was awarded to the Agency in June 2022; however, that award is currently under appeal. SCV Water filed a cross appeal which may add damages to the June 2022 judgment. The parties are in the process of drafting and submitting appellate briefs to the 9th Circuit Court of Appeal. The appellate decision is not anticipated until 2024.

In addition to administering the Settlement Agreement to obtain reimbursement, SCV Water is also actively evaluating groundwater conditions and assertively seeking continual regulatory agency enforcement of environmental cleanup. SCV Water has recently provided technical reports to the California Department of Toxic Substances Control identifying areas where SCV Water finds additional cleanup efforts need to be taken by the responsible party.

In regard to PFAS, SCV Water is a plaintiff in the multi district litigation lawsuit which seeks to hold the manufacturers of PFAS chemicals accountable for cost recovery. There have been recent announcements of potential settlements with two of the major defendants, DuPont and 3M. The Court is currently reviewing the proposed settlements for consideration of approval. SCV Water will need to evaluate whether it would like to opt in or opt out of the settlement proposals. The amount of funds to be assigned for recovery by SCV Water are not currently known.

### **3.3.3.2 Alluvium**

In terms of adequacy and availability, the current Alluvial Aquifer groundwater pumping capacity is constrained, however the current reductions in supply are being met by other sources of supply such as imported SWP water or banked water supplies. The schedule for recovery of this supply is shown in Table 3-4(b) for normal years and Table 3-4(c) for dry years. When well capacity is recovered in 2030 and other future wells are in service in 2035 the combined Alluvial Aquifer groundwater source municipal well capacity will be sufficient to meet anticipated demands. The higher cumulative pumping capacities are for operational reasons (i.e., to meet daily and other fluctuations from average day to maximum day and peak hour system demands).

Table 3-4(b) and 3-4(c) include future and recovered Alluvial Aquifer supplies. These planned supplies do not increase the total quantity of water being withdrawn from the Alluvial Aquifer but represent anticipated or potential shifts in pumping involving different or new wells.

For example, as shown on Table 3-4, planned Alluvial Aquifer supplies assume a reduction of Newhall Land agricultural uses and a corresponding increase in SCV Water Alluvial water use for the Newhall Ranch Specific Plan area. Total purveyor and non-purveyor supplies remain consistent with the operating plan shown on Table 3-2. Based on existing information the conclusion of the analysis is that total Alluvial Aquifer pumping is sustainable. However, should droughts extend for periods longer than those shown in the historical record, potential exists for future curtailments.

### **3.3.3.3 Saugus Formation**

In terms of adequacy and availability, the combined active Saugus groundwater source municipal well capacity is more than sufficient to meet the planned use of Saugus groundwater in normal years of 7,500 to 15,000 AFY (Table 3-5(a)). Near term dry-year supplies will be augmented once Well 205 is restored to service by 2026 utilizing treatment technologies currently being used in the Santa Clarita Valley. In order

to accommodate the longer-term demands, the current GSP Water Budget Analysis indicates six additional Saugus wells will be required. Two of these wells have been designed and await permitting, sites for two additional wells have been secured and the final two wells need to be sited. These additional Saugus wells would provide for meeting the planned maximum purveyor use of 33,800 AFY of Saugus groundwater during a multiple-dry year period. That amount combined with non-purveyor pumping of 1,200 AFY is at the maximum of 35,000 AFY consistent with operating plan shown on Table 3-2. The conclusion of the analysis is that the Saugus operating plan is sustainable. However, associated with the implementation of the GSP, the potential exists for some future curtailment of pumping during extreme long-term drought events over the upcoming twenty years. Table 3-6, Table 3-7, and Table 3-8 include planned Saugus Formation supplies.

#### **3.3.3.4 Summary**

Overall, the total municipal supply in the 2020 UWMP, incorporated herein, includes a groundwater component that is, in turn, part of the overall groundwater supply of the Santa Clarita Valley. As such, the municipal groundwater supply recognizes the existing and projected future uses of groundwater by overlying interests in the Valley, such that the combination of municipal and all other groundwater pumping, remains within the groundwater operating plan (Table 3-2) that has been analyzed for sustainability.

**TABLE 3-6  
AVERAGE/NORMAL YEAR EXISTING AND PLANNED GROUNDWATER USAGE (AF)<sup>(a)</sup>**

<b>Alluvium Supplies</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Purveyors Existing	7,340	7,870	6,990	6,990	6,990	6,990
Purveyors Future and Recovered <sup>(b)</sup>	8,970	19,870	23,490	23,490	23,490	23,490
<i>Purveyors Total</i>	<i>16,310</i>	<i>27,740</i>	<i>30,480</i>	<i>30,480</i>	<i>30,480</i>	<i>30,480</i>
Non Purveyors (Agricultural & Other) <sup>(c)</sup>	11,540	9,150	6,410	6,410	6,410	6,410
<b>Total Alluvium Production</b>	<b>27,850</b>	<b>36,890</b>	<b>36,890</b>	<b>36,890</b>	<b>36,890</b>	<b>36,890</b>
<b><i>Alluvial Operating Plan Range for Average/Normal Year (30,000-40,000)</i></b>						
<b>Saugus Formation Supplies</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
<i>Purveyors Existing</i>	12,940	7,110	7,110	7,110	7,110	7,110
<i>Purveyors Future and Recovered<sup>(d)</sup></i>	0	2,790	2,790	2,790	2,790	2,790
<i>Purveyors Total</i>	<i>12,940</i>	<i>9,900</i>	<i>9,900</i>	<i>9,900</i>	<i>9,900</i>	<i>9,900</i>
Non purveyors <sup>(e)</sup>	1,200	1,200	1,200	1,200	1,200	1,200
<b>Total Saugus<sup>(f)</sup></b>	<b>14,140</b>	<b>11,100</b>	<b>11,100</b>	<b>11,100</b>	<b>11,100</b>	<b>11,100</b>
<b><i>Saugus Operating Plan Range for Average/Normal Year (11,000-19,000)</i></b>						

Notes:

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) These values account for recovery of alluvial PFAS and Perchlorate impacted wells along with additional pumping to supply Newhall Ranch Specific Plan.
- (c) Alluvial non purveyor pumping includes Five Point (Newhall Ranch Agriculture), Pitches Detention Center, and Small Private Domestic pumping and irrigation at Sand Canyon Country Club. Decline in pumping rates incorporate reduced pumping by Five Point of 7,038 AFY for Newhall Ranch Specific Plan.
- (d) This includes Saugus Perchlorate impacted wells 201 and 205, two replacement wells (Saugus 3 & 4), and up to four new wells (Saugus 5-8) planned to provide additional dry-year supply. The new dry-year wells would not typically be operated during average/normal years.
- (e) This includes private irrigation pumping from Valencia Country Club and Vista Valencia Golf Course, as well as projected Whittaker-Bermite pumping for perchlorate treatment, assumed constant.
- (f) A higher total Saugus Production from 2021 to 2026 reflects temporary increase in purveyor production to mitigate lost Alluvial pumping capacity due to PFAS impacted wells.

**TABLE 3-7  
SINGLE DRY YEAR EXISTING AND PLANNED GROUNDWATER USAGE (AF)<sup>(a)</sup>**

<b>Alluvium Supplies</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Purveyors Existing	6,580	6,330	6,330	6,330	6,330	6,330
Purveyors Future and Recovered <sup>(b)</sup>	9,390	17,020	20,500	20,500	20,500	20,500
<i>Purveyors Total</i>	<i>15,970</i>	<i>23,350</i>	<i>26,830</i>	<i>26,830</i>	<i>26,830</i>	<i>26,830</i>
Non Purveyors (Agricultural & Other) <sup>(c)</sup>	11,540	9,150	6,410	6,410	6,410	6,410
<b>Total Alluvium Production</b>	<b>27,510</b>	<b>32,500</b>	<b>33,240</b>	<b>33,240</b>	<b>33,240</b>	<b>33,240</b>
<b><i>Alluvial Operating Plan Range for Single Dry Year (30,000-35,000)</i></b>						
<b>Saugus Formation Supplies</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Purveyors Existing	16,320	17,880	17,880	17,880	17,880	17,880
Purveyors Future and Recovered <sup>(d)</sup>	0	15,920	15,920	15,920	15,920	15,920
<i>Purveyors Total</i>	<i>16,320</i>	<i>33,800</i>	<i>33,800</i>	<i>33,800</i>	<i>33,800</i>	<i>33,800</i>
Non purveyors <sup>(e)</sup>	1,200	1,200	1,200	1,200	1,200	1,200
<b>Total Saugus</b>	<b>17,520</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>	<b>35,000</b>
<b><i>Saugus Operating Plan Range for Single Dry Year (21,000-35,000)</i></b>						

**Notes:**

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) These values account for recovery of alluvial PFAS and Perchlorate impacted wells along with additional pumping to supply Newhall Ranch Specific Plan.
- (c) Alluvial non purveyor pumping includes Five Point (Newhall Ranch Agriculture), Pitches Detention Center, and Small Private Domestic pumping and irrigation at Sand Canyon Country Club. Decline in pumping rates incorporate reduced pumping by Five Point of 7,038 AFY for Newhall Ranch Specific Plan.
- (d) This includes Saugus Perchlorate impacted well 205, two replacement wells (Saugus 3 & 4), and up to four new wells (Saugus 5-8) planned to provide additional dry-year supply. The new dry-year wells would not typically be operated during average/normal years.
- (e) This includes private irrigation pumping from Valencia Country Club and Vista Valencia Golf Course, as well as projected Whittaker-Bermite pumping for perchlorate treatment, assumed constant.

**TABLE 3-8  
MULTIPLE DRY YEAR (5-YEAR) EXISTING AND PLANNED GROUNDWATER USAGE (AF)<sup>(a)</sup>**

<b>Alluvium Supplies</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Purveyors Existing	6,400	6,620	5,890	5,590	5,590	5,590
Purveyors Future and Recovered <sup>(b)</sup>	9,750	16,690	19,900	20,500	20,500	20,500
<i>Purveyors Total</i>	<i>16,150</i>	<i>23,310</i>	<i>25,790</i>	<i>26,090</i>	<i>26,090</i>	<i>26,090</i>
Non Purveyors (Agricultural & Other) <sup>(c)</sup>	11,490	9,190	6,710	6,410	6,410	6,410
<b>Total Alluvium Production</b>	<b>27,640</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>	<b>32,500</b>
<b><i>Alluvial Operating Plan Range for Single Dry Year (30,000-33,000)</i></b>						
<b>Saugus Formation Supplies</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Purveyors Existing	14,950	17,610	17,610	17,610	17,610	17,610
Purveyors Future and Recovered <sup>(d)</sup>	4,440	8,020	8,020	8,020	8,020	8,020
<i>Purveyors Total</i>	<i>19,390</i>	<i>25,630</i>	<i>25,630</i>	<i>25,630</i>	<i>25,630</i>	<i>25,630</i>
Non purveyors <sup>(e)</sup>	1,200	1,200	1,200	1,200	1,200	1,200
<b>Total Saugus</b>	<b>20,590</b>	<b>26,830</b>	<b>26,830</b>	<b>26,830</b>	<b>26,830</b>	<b>26,830</b>
<b><i>Saugus Operating Plan Range for Single Dry Year (24,000-27,000)</i></b>						

**Notes:**

- (a) The quantities of groundwater extracted by existing or future and recovered well capacity will vary depending on operating conditions. However, overall pumping remains within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis (LSC & GSI 2009).
- (b) These values account for recovery of alluvial PFAS and Perchlorate impacted wells along with additional pumping to supply Newhall Ranch Specific Plan.
- (c) Alluvial non purveyor pumping includes Five Point (Newhall Ranch Agriculture), Pitches Detention Center, and Small Private Domestic pumping and irrigation at Sand Canyon Country Club. Decline in pumping rates incorporate reduced pumping by Five Point of 7,038 AFY for Newhall Ranch Specific Plan.
- (d) This includes Saugus Perchlorate impacted well 205, two replacement wells (Saugus 3 & 4), and up to four new wells (Saugus 5-8) planned to provide additional dry-year supply. The new dry-year wells would not typically be operated during average/normal years.
- (e) This includes private irrigation pumping from Valencia Country Club and Vista Valencia Golf Course, as well as projected Whittaker-Bermite pumping for perchlorate treatment, assumed constant.

### **3.4 Transfers and Exchanges**

An opportunity available to SCV Water to increase water supplies is to participate in voluntary Water transfer programs. Since the drought of 1987-1992, the concept of water transfer has evolved into a viable supplemental source to improve supply reliability. The initial concept for water transfers was codified into law in 1986 when the California Legislature adopted the “Katz” Law (California Water Code, Sections 1810-1814) and the Costa-Isenberg Water Transfer Law of 1986 (California Water Code, Sections 470, 475, 480-483). These laws help define parameters for water transfers and set up a variety of approaches through which water or water rights can be transferred among individuals or agencies.

Up to 27 million AF of water are delivered for agricultural use every year. Over half of this water use is in the Central Valley, and much of it is delivered by, or adjacent to, SWP and CVP conveyance facilities. This proximity to existing water conveyance facilities could allow for the voluntary transfer of water to many urban areas, including SCV Water, via the SWP. Such water transfers can involve water sales, conjunctive use and groundwater substitution and water sharing. They usually occur as a form of spot, option, or core transfers agreements. The costs of a water transfer would vary depending on the type, term, and location of the transfer.

One of the most important aspects of any resource planning process is flexibility. A flexible strategy minimizes unnecessary or redundant investments (or stranded costs). The voluntary transfer of water between willing sellers and buyers can be an effective means of achieving flexibility. However, not all water transfers have the same effectiveness in meeting resource needs. Through the resource planning process and ultimate implementation, several different types of Water transfers could be undertaken.

### **3.4.1 Core Transfers**

Core transfers are agreements to purchase a defined quantity of water every year. These transfers have the benefit of more certainty in costs and supply, but in some years can be surplus to imported water (available in most years) that is already paid for.

### **3.4.2 Spot Market Transfers**

Spot market transfers involve water purchased only during a time of need (usually a drought). Payments for these transfers occur only when water is actually requested and delivered, but there is usually greater uncertainty in terms of costs and availability of supply. Examples of such transfers were the Drought Water Banks of 1991, 1992 and 1994 and DWR Dry Year Water Purchase Programs in 2001 through 2004 and 2008 along with transfers between willing sellers and buyers during the current drought period. In 2021, the Dry Year Water Purchase Program provided approximately 200 AF. An additional risk of spot market transfers is that the purchases may be subject to institutional limits or restricted access (e.g., requiring the purchasing agency to institute rationing before it is eligible to participate in the program).

### **3.4.3 Option Contracts**

Option contracts are agreements that specify the amount of water needed and the frequency or probability that the supply will be called upon (an option). Typically, a relatively low up-front option payment is required and, if the option is actually called upon, a subsequent payment would be made for the amount called. These transfers have the best characteristics of both core and spot transfers. With option contracts, the potential for redundant supply is minimized, as are the risks associated with cost and supply availability.

SCV Water has entered into one such transfer, for Yuba Accord water, as discussed previously. SCV Water and a number of other entities entered into the Yuba Accord Agreement, which allows for the purchase of water from the Yuba County Water Agency through DWR. Under the agreement, an estimated average of up to 1,000 AFY of Water (after losses) is available to SCV Water in dry years, through 2025. Under certain hydrologic conditions, additional water may be available to SCV Water under this program. In 2014, 2020, and 2021, SCV Water received approximately 1,900 AF from this source (see Table 5-1).

### **3.4.4 Future Market Transfers**

The most viable types of water transfers are core and option transfers and, as such, are a part of SCV Water's long-term strategy.

### **3.4.5 Water Exchanges**

In addition to water transfers, short-term water exchanges may also serve as a means to enhance water reliability.

In 2011 SCV Water entered into two unbalanced exchange agreements to enhance the management of its water supplies. SCV Water executed a Two-for-One Water Exchange Program with RRBWSD, whereby SCV Water can recover one acre-foot of water for each two acre-feet SCV Water delivered to RRBWSD (less losses). SCV Water delivered 15,602 AF to the program in 2011, delivered another 3,969 AF in 2012 and, after program losses, had about 9,500 AF of recoverable water. The term for this agreement was ten years. In 2020, 9,500 AF of water was withdrawn from this exchange account, completing the execution of this agreement.

SCV Water also entered into a Two-for-One Water Exchange Program with the West Kern Water District (WKWD) in Kern County and SCV Water delivered 5,000 AF in 2011, resulting in a recoverable total of 2,500 AF. The term of the agreement was ten years. In 2014, 2,000 AF of water was withdrawn from this exchange program leaving a balance of 500 AF. In 2020, the remaining balance of 500 AF of water was withdrawn, completing the execution of this agreement.

In 2014, SCV Water entered into an unbalanced exchange agreement to enhance the management of its water supplies. SCV Water executed a Two-for-One Water Exchange Program with the NLF, whereby SCV Water could recover one acre-foot of water for every two acre-feet SCV Water delivered to NLF's Semitropic Water Storage District Banking Program. SCV Water transferred 10,000 AF of water to the program in 2014 and recovered 4,950 AF in 2014, fully executing the exchange. Additional details on the Semitropic Banking Program are provided below.

In 2016, SCV Water entered into an unbalanced exchange agreement to enhance the management of its water supplies. SCV Water executed a Two-for-One Water Exchange Program with the Central Coast Water Agency (CCWA) on behalf of the Santa Barbara County Flood Control and Water Conservation District (Santa Barbara), whereby SCV Water could recover one acre-foot of water for every two acre-feet SCV Water delivered to CCWA. SCV Water delivered 1,500 AF to the program in 2016 and recovered 750 AF in 2019, fully executing the exchange.

In 2019, SCV Water entered into three separate unbalanced exchange agreements to enhance the management of its water supplies. First, SCV Water executed a Two-for-One Water Exchange Program with RRBWSD whereby SCV Water could recover one acre-foot of water for every two acre-feet SCV Water delivered to RRBWSD (less losses). SCV Water delivered 11,000 AF to the program in 2019 and recovered 5,500 AF in 2020, fully executing the exchange.

In 2019, SCV Water also executed a Two-for-One Water Exchange Program with Antelope Valley-East Kern Water Agency (AVEK), whereby SCV Water could recover one acre-foot of water for every two acre-feet SCV Water delivered to AVEK. SCV Water delivered 7,500 AF to the program in 2019 and has 3,750 AF of recoverable water. In 2020, 1,406 AF of Water was withdrawn from this exchange program leaving a balance of 2,344 AF. Recovery of the balance is limited to years where the SWP allocation is at least 30%. The term for this agreement is for ten years.

In 2019, SCV Water also executed a Two-for-One Water Exchange Program with UWCD, whereby SCV Water could recover one acre-foot of water for every two acre-feet SCV Water delivered to UWCD. SCV Water delivered 1,000 AF to the program in 2019 and has 500 AF of recoverable water. Recovery of the balance is limited to years where the SWP allocation is at least 30%. The term for this agreement is for ten years.



In 2023, SCV Water also executed a Three-for-Two Water Exchange Program with Metropolitan Water (MWD), whereby SCV Water could recover two acre-feet of water for every three acre-feet SCV Water delivered to MWD. SCV Water delivered 9,433 acre-feet of water stored in San Luis Reservoir to MWD in March and has 6,289 acre-feet of recoverable water to be delivered to SCV Water by December,31, 2023.

### **3.5 Groundwater Banking Programs**

With the development of conjunctive use and groundwater banking, the water supply reliability for SCV Water has improved significantly. Conjunctive use is the coordinated operation of multiple water supplies to achieve improved supply reliability. Most conjunctive use concepts are based on storing surface supplies in groundwater basins in times of surplus for withdrawal and use during dry periods and drought when surface water supplies would likely be reduced.

Groundwater banking programs involve storing available SWP surface water supplies during wet years in groundwater basins in, for example, the San Joaquin Valley. Water would be stored either directly by surface spreading or injection, or indirectly by supplying surface water to farmers for their use in lieu of their intended groundwater pumping. During water shortages, the stored water could be pumped out and conveyed through the California Aqueduct to SCV Water as the banking partner or used by the farmers in exchange for their surface water allocations, which would be delivered to SCV Water as the banking partner through the California Aqueduct.

SCV Water is a partner in two existing groundwater banking programs, the Semitropic Banking Program and RRBWSD Banking Program, respectively. Newhall Land is also a partner in the Semitropic Banking Program, described below. In addition, SCV Water has updated its plan to enhance its overall supply reliability, including the need for additional banking programs.

#### **3.5.1 Semitropic Banking Program**

Semitropic Water Storage District (Semitropic) provides SWP Water to farmers for irrigation. Semitropic is located in the San Joaquin Valley in the northern part of Kern County immediately east of the California Aqueduct. Using its available groundwater storage capacity (approximately 1.65 million AF), Semitropic has developed a groundwater banking program, which takes available SWP supplies in wet years and returns the water in dry years. As part of this dry-year return, Semitropic can either leave its SWP Water in the Aqueduct for delivery to a banking partner and increase its groundwater production for its farmers, or Semitropic can pump groundwater that can be pumped into a Semitropic canal and, through reverse pumping plants, be delivered to the California Aqueduct. Semitropic's original banking program currently has six long-term first priority banking partners: the Metropolitan Water District of Southern California (Metropolitan), Santa Clara Valley Water District, Alameda County Water District, Alameda County Flood Control and Water Conservation District Zone 7, Newhall Land and Farming, and San Diego County Water Authority. The total amount of storage capacity under contract in the original banking program is 1 million AF, with approximately 700,000 AF currently in storage. Under its original program, Semitropic can pump back a maximum of 90,000 AFY of water into the California Aqueduct.

Semitropic has recently expanded its groundwater banking program to incorporate its Stored Water Recovery Unit (SWRU). This supplemental program includes an additional storage capacity of 650,000 AF and an expansion of pumpback recovery capacity by 200,000 AFY. That pumpback capacity includes well connections and conveyance facility improvements to increase the existing Semitropic pumpback capacity to the California Aqueduct by an additional 50,000 AFY, and the future development of a new well field with approximately 65 wells along with new collection and transmission facilities to convey an additional 150,000 AFY to the California Aqueduct. Participants in the SWRU include Poso Creek Water Company,

San Diego County Water Authority, City of Tracy, Homer LLC, Harris Farms, Shows Family Farms, Lazy Dog Orchard, and SCV Water.

In 2002, SCV Water entered into a temporary storage agreement with Semitropic and stored an available portion of its Table A supply (24,000 AF) in an account in Semitropic's program. In 2004, 32,522 AF of SCV Water's available 2003 Table A supply was stored in a second temporary Semitropic account. In accordance with the terms of SCV Water's storage agreements with Semitropic, 90 percent of the banked amount, or a total of 50,870 AF, was recoverable through 2013 to meet SCV Water demands when needed. SCV Water executed an amendment for a ten-year extension of each banking agreement with Semitropic in April 2010. After storage withdrawals in 2009, 2010, and 2014 (and with 5,000 AF given to Newhall Land in consideration for SCV Water's use of Newhall Land's first priority extraction capacity), the storage balance available to SCV Water was 35,970 AF.

In 2015 SCV Water entered into an agreement with Semitropic to participate in the SWRU. Under this agreement, the two short-term accounts containing 35,970 AF were transferred into this new program. Under the SWRU agreement, SCV Water can store and recover additional Water within a 15,000 AF storage account. SCV Water increased storage in the SWRU in 2017 and 2019, and recovered 5,000 AF in 2020-2022, leaving total storage available in 2023 at 30,278 AF. The term of the Semitropic Banking Program extends through 2035 with the option of two 10-year renewals. SCV Water may withdraw up to 5,000 AFY from its account.

Current operational planning includes use of the water stored in Semitropic for dry-year supply. Accordingly, it is reflected in the available supplies delineated in this section and in the Annual Reports prepared for SCV Water. It is also reflected as contributing only to dry-year supply reliability in Section 7, through 2045.

### **3.5.2 Rosedale-Rio Bravo Banking Program**

Also located in Kern County, immediately adjacent to the Kern Water Bank, RRBWSD has developed a Water Banking and Exchange Program. SCV Water has entered into a long-term agreement with RRBWSD with a total storage capacity of 100,000 AF. Between 2005 and 2012 SCV Water delivered sufficient water from the SWP and other supplies to fill its 100,000 AF account. SCV Water began storing water in this program in 2005 and stored water in 2005, 2006, 2007, 2010, 2011, and 2012. In 2012, the maximum storage capacity of 100,000 AF was reached. Withdrawals from the water bank occurred in 2014 and 2015 with storage into the water bank occurring in 2016 leaving 98,800 AF of available storage. Withdrawals occurred again in 2020-2022 leaving storage at 58,800 AF available at the start of 2023.

To enhance dry-year recovery capacity, in 2015 SCV Water in cooperation with RRBWSD and Irvine Ranch Water District initiated construction of additional facilities that were completed in 2019. These facilities became available in 2020 and increased the firm extraction capacity for SCV Water to 10,000 AFY. In addition, SCV Water has the right under the contract to develop four additional wells which would bring the firm recovery capacity to 20,000 AFY. This additional capacity is anticipated to be available by 2030. In addition to the existing firm recovery capacity, in moderately dry years Rosedale is required to use other available recovery capacity to meet its recovery obligations under the banking agreement, up to 20,000 AFY. This occurred in 2021 and 2022 when RRBWSD was able to recover a total of 20,000 AFY of SCV Water's banked supply.

This project is a water management program to improve the reliability of SCV Water's existing dry-year supplies. It is not an annual supply that could support growth. Accordingly, it is reflected in the available supplies delineated in this section and it is also reflected as contributing only to dry-year supply reliability.

### **3.5.3 Semitropic Banking Program – Newhall Land**

As mentioned above, one of Semitropic’s long-term groundwater banking partners is Newhall Land (now owned by Five Point). In its agreement with Semitropic, Newhall Land has available to it a pump-back capacity of 4,950 AFY and a total storage capacity of 55,000 AF. At the end of 2022, Newhall Land had a storage balance of approximately 41,200 AF. This storage volume is primarily the result of Newhall Land storing its annual allotment of Nickel Water in the program as well as 5,000 AF of exchange water provided by SCV Water.

Newhall Land entered into this groundwater banking program in anticipation of the development of Newhall Ranch. It provides a supply that is committed by Newhall Land under the Newhall Ranch Specific Plan to make up shortfalls in water supply for Newhall Ranch should such shortfall be shown to exist. Under its agreement with Semitropic, Newhall Land may transfer its rights to this program to SCV Water (as the successor to CLWA). In this WSV and in the 2020 UWMP, it is assumed for planning purposes construction of the Newhall Ranch Specific Plan will be completed by 2035 and that Newhall Land’s rights in this banking program will be transferred to SCV Water at that time. Based on previous cooperation between CLWA and Newhall Land in 2009 and 2014, when Newhall Land effectively made its withdrawal capacity available to CLWA, it is likely that this practice may continue and SCV Water could access additional water from its Semitropic account using Newhall Land’s firm extraction capacity. However, as no such contract to accomplish this is currently in place and a conservative assumption has been made in the 2020 UWMP and this WSV that supplies associated with this source will not be available prior to 2035 when SCV Water is presumed to control this program.

## **3.6 Planned Water Supply Projects and Programs**

SCV Water is exploring several opportunities for further enhancement of its water supply portfolio. These include participating in additional groundwater banking opportunities, local supply enhancements and the Sites Reservoir Project.

### **3.6.1 Groundwater Banking**

In addition to those dry year water supplies identified in the 2020 UWMP, SCV Water has identified two additional groundwater banking programs. While not a part of the resource mix currently incorporated into the water supply reliability tables in the 2020 UWMP or this WSV, these projects represent projects that SCV Water could consider providing redundancy or substitute for some portion of the UWMP’s programs if those were not brought online.

The first is the High Desert Water Bank being developed by the Antelope Valley East Kern Water Agency. The project overlies an adjudicated groundwater basin in the Antelope Valley. The Metropolitan Water District of Southern California has contracted with AVEK to develop the first phase of the project’s four phases. The first phase will store up to 200,000 AFY with 70,000 AFY of recovery capacity. AVEK is currently working with SCV Water and other SWP Contractors to define the second phase. The second phase may incorporate a direct connection to the West Branch of the California Aqueduct to facilitate return deliveries. The location of this water bank is desirable as it is located south of the San Andreas Fault. The second phase could provide SCV Water with up to 80,000 AF of storage with recovery capacity of up to 20,000 AFY. SCV Water continues to discuss with AVEK the next steps of advancing this project, with an agreement currently under development

The second is the Aquaterra Water Bank being developed by the McMullin Groundwater Sustainability Agency. This water bank in Fresno County adjacent to Delta Mendota Pool, is projected to store up to 800,000 AF and have an extraction capacity of 146,000 AFY. Water would be available to SWP Contractors and Central Valley Project Contractors through an exchange with the Central Valley Project participating Contractors. The McMullin GSA intends to initiate an environmental review for this project in 2022. SCV Water could potentially participate in this project at levels similar to those contemplated for the AVEK High Desert Water Bank.

The expansion of banking agreements has been included in SCV Water's financial projections in both the near and long term.

### **3.6.2 Local Supply Enhancements**

In 2015, SCV Water prepared the Water Resources Reconnaissance Study (Study) (Carollo, 2015). The Study discusses the potential for acquiring additional water supplies. The Study evaluated a series of supply measures in the hopes that an additional 10,000 AFY of supply could be made available to the service area. The study identified two local measures that might enable SCV Water to get at least part way to that goal: (1) a groundwater recharge project using recycled water and (2) an imported water injection project during wet years to augment Saugus formation groundwater storage. Both projects were evaluated at the conceptual level, but significantly more investigation would need to be completed before either was implemented.

While the recycled groundwater recharge measure is not currently being pursued, as detention and dilution challenges were analyzed by Trussell Technologies, Inc in its USCR Watershed Recharge Feasibility Study, 2017. SCV Water continues investigating the potential to spread imported water directly into the Alluvial Aquifer at several sites. Promising infiltration tests have been conducted on SCV Water owned property adjacent to Castaic Creek and easterly portions of the Santa Clara River. Additional studies are currently underway by SCV Water to refine the feasibility of these types of recharge projects.

### **3.6.3 Sites Reservoir**

Sites Reservoir is a proposed new 1,500,000 acre-feet off-stream storage reservoir in northern California near Maxwell. Sacramento River flows will be diverted during excess flow periods and stored in the off-stream reservoir and released for use in the drier periods. Sites Reservoir is expected to provide water supply, environmental, flood, and recreational benefits. The proponents of Sites Reservoir include 29 entities including several individual SWP PWAs including SCV Water. Sites Reservoir is expected to provide approximately 240,000 AFY (Sites Reservoir Value Planning Report, 2020, Table 8-1) of additional deliveries on average to participating agencies under existing conditions. SCV Water's current participation is 3% of that total. Further, SCV Water would operate its share of project storage so as to maximize delivery during dry and critically dry years and the project is projected to provide between 9,800 and 7,100 AFY depending on final project configuration and level of Federal participation by the United States Bureau of Reclamation (USBR). Sites Reservoir is currently undergoing environmental planning and permitting. Full operations of the Sites Reservoir are estimated to start by 2031 following environmental planning, permitting, and construction. Sites was conditionally awarded \$816 million from the California Water Commission for ecosystem, recreation, and flood control benefits under Proposition 1. Reclamation has also committed to invest in Sites under the Water Infrastructure Improvements for the Nation (WIIN) Act and recently transmitted a final Federal Feasibility Report to Congress for the project.

DWR estimates of SWP supply reliability in its 2019 DCR are based on existing facilities, and do not include the proposed Sites Reservoir. SCV Water along with other SWP public water agencies and north of Delta

participants, however, are members of the Sites Reservoir Committee and are sharing costs, to advance environmental, permitting, and other planning activities. The Sites Reservoir staff has performed modeling of potential water supply from this project. While not identified as a project in the reliability tables provided in this WSV, the project is analyzed as part of the SCV Water's Updated Water Reliability Report and could serve as an alternative if other future water supply programs are not feasible. The Capital Improvement section of SCV Water's current FY 2023-24 FY2024-25 Capital Budget provides for continued participation in the planning of Sites Reservoir and SCV Water is making additional plans for financing the construction of the project. At the end of the planning period the project is anticipated to complete CEQA and NEPA documentation, have acquired water rights and key permits including incidental take permits. The project is scheduled to become operational in 2031.

### **3.7 Recycled Water**

This section of the WSV describes the existing and future recycled water opportunities available to the SCV Water service area. The description includes estimates of potential recycled water supply and demand through 2050 in five-year increments, as well as SCV Water's proposed incentives and implementation plan for recycled water.

As discussed below, SCV Water's source of supply for current and planned recycled water consists of flows coming from the Valencia Water Reclamation Plant and the future Newhall Ranch Water Reclamation plant as well as the Vista Canyon Ranch Water Factory (Vista Canyon WRP). SCV Water recently extended the term of its recycled water purchase agreement with the Santa Clarita Valley Sanitation District (SCVSD) and is currently negotiating a recycled water purchase agreement with the City of Santa Clarita for supplies from the Vista Canyon WRP. An additional recycled water purchase agreement with the Newhall Ranch Sanitation District is anticipated when it becomes operational. Collectively these sources are anticipated to make 8,961 AFY available to SCV Water. That supply includes 450 AFY to existing users identified under SCVSD's approved State Water Resources Control Board petition. Currently planned additional supplies would be developed under the SCV Water's New Drop Program, which is based on using wastewater flows from new customers rather than treated wastewater that has historically been discharged into the Santa Clara River. The New Drop Program would not require a requested change to the SCVSD's existing petition. This is particularly important because there are potential regulatory challenges to using additional recycled water that would reduce flows in the Santa Clara River. This is discussed in more detail below.

Recycled water is dependent on potential user demands, availability of supplies, and the economics and feasibility of serving those users. The Draft Update of the Recycled Water Master Plan identified over 20,000 AFY of existing and future landscape demands that could potentially be irrigated using recycled water. However, due to the potential need for instream flows and feasibility considerations including costs, SCV Water plans call for a recycled water distribution system that would be sufficient to meet demands of 9,749 AFY. This includes SCV Water's Phase 1 project, which is currently serving 450 AF of demand, along with its Phase 2 projects and certain non-potable irrigation systems to be constructed by a developer for a specific project described in more detail below.

Additional opportunities to further expand recycled water use will be evaluated as part of SCV Water's Water Resilience Initiative, however, these have not been incorporated into the prospective water supplies accounted for in Section 3.

#### **3.7.1 Recycled Water Master Planning Efforts**

It is anticipated that water demands will continue to increase as a result of a growing population. Accordingly, SCV Water is planning to secure additional reliable sources of water to help meet projected

water demands. SCV Water recognizes that recycled water is an important and reliable source of additional water that should be pursued as an integral part of the SCV Water’s water supply portfolio. Recycled water enhances reliability in that it provides an additional source of supply and allows for more efficient utilization of potable groundwater and imported water supplies. Draft Recycled Water Master Plans for the SCV Water service area were completed in 1993 and 2002. These master plans considered various factors affecting recycled water sources, supplies, users and demands so that SCV Water could develop a cost-effective recycled water system within its service area. In 2007, SCV Water completed CEQA analysis of the 2002 Recycled Water Master Plan (RWMP). This analysis consisted of a Programmatic EIR covering the various phases for a recycled water system as outlined in the RWMP. The Programmatic EIR was certified by the then, CLWA Board in March 2007.

An update to the RWMP was initiated in 2016 (Kennedy/Jenks 2016) based on recent developments affecting recycled water sources, supplies, uses, and demands. The update was not completed but it provides important guidance on feasible projects in the short term. One reason the study was not finalized was in part due to ongoing litigation related to recycled water supplies between the Affordable Clean Water Alliance and SCVSD, which is SCV Water’s main supplier of recycled water. Further, SCV Water anticipates undertaking a water resiliency planning process that would in part explore the interconnection of future groundwater operations, recycled water usage, and environmental uses of water in the USCR Watershed. It is anticipated that this effort would inform future environmental evaluations and permitting for future projects and programs. Overall, recycled water uses included in this WSV and the 2020 UWMP update include uses prioritized in the Kennedy/Jenks 2016 report and available supplies from the SCV Water New Drop program.

Table 3-9 provides a list of entities that participate in the implementation of the RWMP and RWMP Update. In accordance with Water Code section 10633, the preparation of the 2020 UWMP was also coordinated with these entities.

**TABLE 3-9  
PARTICIPATING ENTITIES<sup>(a)</sup>**

<b>Participating Entities</b>	<b>Role in Plan Development</b>
SCV Water	Retail and Wholesale water provider
Los Angeles County Waterworks District No. 36	Retail water purveyor
Santa Clarita Valley Sanitation District	Recycled Water supplier
Berry Petroleum	Potential recycled water supplier
City of Santa Clarita <sup>(b)</sup>	Potential recycled water supplier

Notes:

- (a) The Newhall Ranch Water Reclamation Plant would serve the Newhall Ranch Specific Plan and will be owned and operated by the Newhall Ranch Sanitation District.
- (b) The City of Santa Clarita operates the Vista Canyon Water Reclamation Plant.

SCV Water has constructed Phase 1 of the 2002 RWMP (Kennedy Jenks 2002), which delivers on average approximately 450 AFY. Although the original SCVSD contract and applicable permits anticipate the use of 1,600 AFY for this initial phase project, demands for recycled water have not developed at all the specific places of use identified in the SCVSD’s SWRCB Water Code Section 1211 petition. Deliveries of recycled water began in 2003 for irrigation water supply and currently serve a golf course, a shopping center, and roadway median strips. Use of the remaining volumes at new locations would require submission and

approval of a revised petition, triggering a similar State Water Resources Control Board petition process to the new petition described below.

Phase 2 is planned to expand recycled water use within Santa Clarita Valley and consists of four projects currently in various stages of design and/or construction. All available recycled water from the SCV Water's New Drop Program in the peak summer months is anticipated to be used to meet the demands of these Phase 2 expansions currently in design and construction, including planned developments by Five Point that are referred to as the Westside communities.

### **3.7.2 Existing Wastewater Treatment Facilities**

SCVSD owns and operates two Water Reclamation Plants (WRPs), the Saugus WRP and the Valencia WRP, within the SCV Water service area. The water is treated to disinfected tertiary levels and, with the exception of water used in Phase I of the RWMP, is discharged to the Santa Clara River. The Newhall Ranch and Vista Canyon developments will have their own dedicated tertiary treatment WRPs, and non-potable recycled water from these sources, when available, is anticipated to be incorporated directly into the recycled water system.

The Valencia WRP, completed in 1967, is located on The Old Road near Magic Mountain Amusement Park. The Valencia WRP has a current treatment capacity of 21.6 million gallons per day (MGD), equivalent to 24,190 AFY, developed over time in stages. The average annual production is 15,500 AFY of tertiary recycled water. Use of recycled water from the Valencia WRP for irrigation use is permitted under Los Angeles Regional Water Quality Control Board (LARWQCB) Order Nos. 87-48 and 97-072.

The Saugus WRP, completed in 1962, is located southeast of the intersection of Bouquet Canyon Road and Soledad Canyon Road. The Saugus WRP has a current treatment capacity of 6.5 MGD (7,280 AFY). No future expansions are possible at the plant due to space limitations at the site. In 2020 the Saugus WRP produced 5,150 AFY of tertiary recycled water. Use of recycled water from this facility is permitted under LARWQCB Order Nos. 87-49 and 97-072.

The Saugus and Valencia WRPs operated independently of each other until 1980, at which time the two plants were linked by a bypass interceptor. The interceptor was installed to transfer a portion of flows received at the Saugus WRP to the Valencia WRP. Together, the Valencia and Saugus WRPs have a design capacity of 28.1 MGD (31,470 AFY) and produce 20,450 AFY of treated effluent on average. The primary sources of wastewater to the Saugus and Valencia WRPs are domestic. Both plants are tertiary treatment facilities and produce high quality effluent. Historically, the effluent from the two WRPs has been discharged to the Santa Clara River. The Saugus WRP effluent outfall is located at Bouquet Canyon Road. Effluent from the Valencia WRP is discharged to the Santa Clara River at a point approximately 2,000 feet downstream (west) of The Old Road Bridge.

SCVSD is currently constructing advanced treatment facilities (AWT) to desalinate tertiary recycled water with a capacity of approximately 6,000 AFY to comply with the Regional Water Quality Control Board, Los Angeles Region Chloride Total Maximum Daily Load (TMDL). The facilities are sized to treat enough disinfected tertiary recycled water to blend down the chloride levels for discharge to the Santa Clara River at the design capacity of the combined Saugus and Valencia WRPs at chloride levels during a drought. Since design capacities will not be reached for a decade or more and chloride levels on average are much lower during average precipitation years, the AWT will have excess capacity that could be utilized to produce desalinated water for reuse purposes for sale to SCV Water. Desalinated recycled water could be used to improve water quality or for indirect potable reuse in the future but only with the construction of additional treatment.

### **3.7.3 Wastewater Treatment Facility Improvements and Expansions**

A third reclamation plant, the Vista Canyon Water Factory (Vista Canyon WRP), has been constructed as a part of the Vista Canyon Project. The plant is located near Highway 14, just south of the Santa Clara River and is operated by the City of Santa Clarita. The plant will have an ultimate capacity of 440 AFY (Kennedy Jenks, 2015). The Vista Canyon Development is anticipated to use 137 AFY of the recycled water supply and the remaining excess flow would be available for reuse as part of Vista Canyon Recycled Water Main Extension (Phase 2B) of the RWMP which recently completed construction. SCV Water is currently completing the final stages of permitting and is actively pursuing the conversion of existing potable customers.

The Vista Canyon WRP does not discharge recycled water into the Santa Clara River. Excess recycled water production from the Vista Canyon WRP is sent to the Valencia WRP.

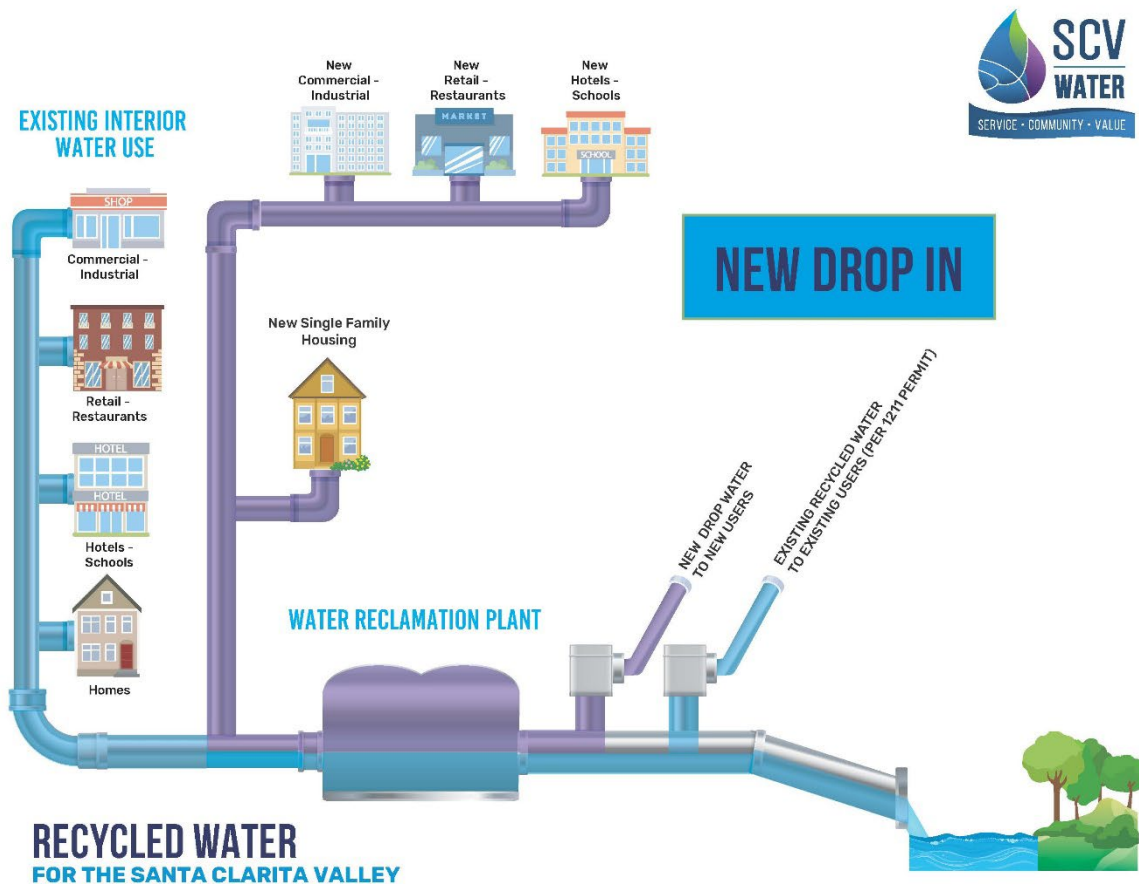
A fourth Santa Clarita Valley (Valley) reclamation plant, the Newhall Ranch WRP, is proposed as part of the Newhall Ranch project. This proposed facility would be located near the western edge of the development project along the south side of State Route 126. The Newhall Ranch WRP would serve the Newhall Ranch Specific Plan and will be owned and operated by the Newhall Ranch Sanitation District. Prior to Newhall Ranch WRP being available, Newhall Ranch Specific Plan generated wastewater would be temporarily treated at the Valencia WRP, based on the need to build up an adequate, steady flow of wastewater before constructing the initial increment of capacity at Newhall Ranch WRP. The Valencia WRP has sufficient capacity to tertiary-treat wastewater from the Newhall Ranch Specific Plan during this interim period, consistent with the Interconnection Agreement approved by SCVSD in 2002 and the Joint Sewerage Services Agreement entered between SCVSD and NRSD in 2017. The Newhall Ranch WRP currently has a permitted capacity of 2.0 MGD (approximately 2,200 AFY) but is anticipated to produce 4,200 AFY at ultimate buildout. Recycled water from the Valencia WRP would be used to meet the remainder of the non-potable demands there, to the extent available in accordance with the Interconnection Agreement. If for any reason, however, recycled water supplies from the Valencia WRP and/or other local WRPs are not available in the amounts anticipated to meet the projected recycled water demands for that development, other sources of supply available to SCV Water as provided in the 2020 UWMP would be utilized to serve non-potable demands until such time as recycled water supplies may become available.

### **3.7.4 New Drop Program**

As a means of developing additional recycled water supplies, without increasing the diversion of recycled water flows discharged to the Santa Clara River, SCV Water has developed the New Drop Program to utilize and account for “new” recycled water flows. These additional recycled water supplies are being derived from wastewater flows generated from new residential and commercial development. The New Drop Program accounts for the increase in wastewater flows associated with new development and separates these projected wastewater flows from existing flows discharged to the Santa Clara River. As new development occurs, potential additional recycled water supplies are being quantified through calculations and measurements. The New Drop Program is illustrated in Figure 3-1 below.



**FIGURE 3-1  
NEW DROP PROGRAM PROCESS**



The use of recycled water under the New Drop Program does not constitute a reduction to a surface stream, specifically a reduction in flow in the Santa Clara River. As a result, a Section 1211 wastewater change petition is not required to implement the recycled water program. However, in order to utilize these recycled water supplies in accordance with SWRCB requirements, SCV Water has been working to obtain formal approvals. A Notice of Applicability under the General Order No. WQ 2016-0068-DDW, Water Reclamation Requirements for Recycled Water Use, was issued in April 2020 for SCV Water’s use of recycled water from the Valencia WRP for non-irrigation uses as part of the New Drop Program. Upon review of the Title 22 Report and related project documentation, the LARWQCB and the SWRCB determined that the New Drop Program satisfies the general and specific conditions of the General Order and does not require a change of use permit under Water Code section 1211. SCV Water has also processed a request for expanded use of the New Drop Program recycled water from the Valencia WRP for irrigation uses, currently allowed under Order No. 97-072. An addendum to the original Title 22 Engineering Report is in the final stages of review by the regulatory agencies with approval anticipated in 2023.

### 3.7.5 Instream Flow Requirements

In general, the use of recycled water from the WRPs is limited and can be affected by various state water laws, codes, and regulatory and court decisions, which are summarized in the RWMP Update. The

production, discharge, distribution, and use of recycled water are subject to federal, state, and local regulations; the primary objectives of which are to protect public health. Appendix B of the RWMP summarizes the regulatory requirements and their administration, with an emphasis on regulations relating to the distribution and use of recycled water in California. Use of recycled water from the Valencia and Saugus WRPs is permitted under Los Angeles RWQCB Order Nos. 87-48 and 87-49, respectively and re-adopted by Order No. 97-072. Copies of these recycled water permits, along with SCVSD Ordinances and Requirements for Recycled Water Users in Santa Clarita Valley and Los Angeles County Department of Public Health (CDPH) guidelines and inspection requirements, are provided in the Santa Clarita Valley Rules and Regulations Handbook (Kennedy Jenks 2016b).

SCV Water has a contract with the SCVSD to use recycled water from the Valencia WRP, which was recently extended through 2026. The contract permits SCV Water to receive 1,600 AFY, corresponding to the amount of recycled water permitted for reuse by the SWRCB. However, as noted above that permit limited uses to specific approved sites and because demand at some of those sites has not materialized, current use is limited to only about 450 AFY.

The New Drop Program is generating additional supplies, and those supplies are available to multiple new use sites when and as they are connected to the expanding recycled water system.

At this time, SCVSD is not seeking an amendment to its SWRCB petition to increase the amount of recycled water it may deliver that has historically been discharged into the Santa Clara River. SCV Water and SCVSD continue to cooperate and explore options for expanding the re-use of recycled water. In October 2013, the SCVSD Board certified an EIR (2013 EIR) that included two components: (1) the Chloride Compliance Project to remove chloride from wastewater to meet the Chloride TMDL and (2) a Recycled Water Project to make treated wastewater available for reuse. The Chloride Compliance Project consists of 3 main elements that include ultraviolet disinfection at the Saugus and Valencia WRPs, AWT at Valencia WRP, and brine management and disposal. The Recycled Water Project was designed to support municipal reuse of recycled water and was solely focused on proposed future reductions in discharges of recycled water to the Santa Clara River.<sup>17</sup>

The 2013 EIR was subsequently challenged by the Affordable Clean Water Alliance (ACWA) on the grounds that the document failed to comply with CEQA. The LA Superior Court (the Court) did not find any deficiencies in the environmental analysis related to the Chloride Compliance Project; however, the Court found two aspects of the 2013 EIR did not fully comply with CEQA. First, the Court found that the 2013 EIR lacked substantial evidence to support the conclusion of no significant impacts on populations of the unarmored threespine stickleback fish (UTS) with respect to the reduced discharge to the Santa Clara River associated with the Recycled Water Project; and second, the 2013 EIR lacked a clear brine management alternative because of the "abandonment" of the deep well injection brine management method approved in the 2013 EIR, making the Chloride Compliance Project incomplete.

In an effort to move forward with the Chloride Compliance Project, SCVSD separated the Chloride Compliance Project from the Recycled Water Project and, in 2017, certified a Recirculated EIR evaluating the Chloride Compliance Project separate from the Recycled Water Project.

SCVSD proceeded with the Recycled Water Project on a separate, but parallel path. SCVSD retained a consultant and engaged in consultations with CDFW. SCVSD released a Notice of Preparation (NOP) in

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<sup>17</sup> No recycled water infrastructure, such as treatment, pump stations or pipelines, were included in the scope of the Recycled Water Project.

August 2016. In response to the NOP, CDFW wrote a letter indicating that they could not conclude that the project would not result in take of UTS and recommended that SCVSD do additional studies and consider applying for an Incidental Take Permit under the California Endangered Species Act prior to implementing the project. Further, in summer 2018, CDFW requested additional review to analyze potential impacts to groundwater and surface water levels because of the proposed reduction in discharge from the Valencia WRP. At the time, a comprehensive model needed to evaluate surface water and groundwater level impacts did not exist. Given that the SWRCB defers to CDFW in matters related to habitat when considering petitions for reduction in discharges and the positions expressed by CDFW, SCVSD determined that obtaining a 1211 petition from the SWRCB for a reduction in discharge would be very difficult.

By resolution dated February 2019 SCVSD stated it had no current intent to proceed with an EIR related to the support of additional recycled water development by reducing existing discharge to the Santa Clara River. The decision by SCVSD to remove the recycled water component and approve the modified chloride compliance project had been challenged in separate lawsuits filed in Los Angeles Superior Court from 2017-2019. The cases have recently been resolved in favor of SCVSD, who is proceeding with its chloride compliance project.

### **3.7.6 Other Potential Sources of Recycled Water**

Oilfield produced water is a by-product of oil production generated when oil is extracted from the oil reservoir. It is generally of poor quality and unsuitable for potable, industrial, or irrigation use without treatment. Because of the poor water quality, reinjection has often been the most cost-effective disposal option. Treatment processes can produce potable quality water; yet, because of the poor initial water quality and the organic constituents, it is often more appropriate for treated oilfield produced water to be used for irrigation or industrial purposes to offset potable water demand. The economics of oil production are market-driven and are different from those of drinking water supplies. As oil prices rise or drop, oilfield production is increased or decreased as dictated by economics. Also, oilfields are eventually depleted of supply and abandoned. Therefore, while oilfield produced water should be considered as long-term, it is not a completely firm supply and is not permanent.

Berry Petroleum has expressed interest in the past in treating oilfield produced water from the Placerita Oilfield for sale to SCV Water for non-potable uses. Studies of the potential reuse of treated oilfield produced water from the Placerita Oilfield have indicated that approximately 44,000 barrels per day (1.8 MGD or 2,016 AFY) of treated oilfield produced water may be available. Pilot studies performed at the Placerita Oilfield have indicated that, even with reverse osmosis (RO) treatment, some organic compounds such as naphthalene, 2-butanone and ethylbenzene can be detected in the RO effluent. For irrigation reuse, the produced water would need to be cooled and treated to remove hardness, silica, total dissolved solids (TDS), boron, ammonia, and total organic carbon (TOC).

Due to water reliability and water quality issues, the use of oilfield produced water for a source of recycled water was not considered in the 2016 Salt and Nutrient Management Plan (SNMP) or in the RWMP Update and was not included as a supply opportunity in the 2020 UWMP.

### **3.7.7 Recycled Water Supply and Demand**

Recycled water has the potential to play a critical role in meeting a portion of future water demands in the Valley, as the population grows. SCV Water is in various stages of planning and constructing its Phase 2 projects. SCV Water has included Phase 2 projects in its capital program. Phase 2B and 2D have completed construction and are awaiting final permitting approval from the RWQCB to commence end

user conversions. Further, Phase 2C is currently under final design. Additionally, Five Point’s Westside development projects are proceeding with construction of the Mission Village project currently underway. A summary of the demands anticipated from these activities is shown in Table 3-10.

**TABLE 3-10  
EXISTING AND PROJECTED RECYCLED WATER DEMAND**

<b>Phase/Project</b>	<b>Demand (AFY)</b>	<b>Timeframe for Coming Online</b>	<b>Source of Recycled Water</b>
Phase 1	450	Existing	Valencia WRP
Phase 2A	560	2029	Valencia WRP
Phase 2B	300	2021-2023	Vista Canyon WRP
Phase 2C	759	2025-2026	Valencia WRP
Phase 2D	221	2024-2025	Valencia WRP
Five Point <sup>(b)(c)</sup>	5,174-6,505	2024-2043	Newhall Ranch/ Valencia WRP
<b>Total</b>	<b>7,464-8,795</b>		

Notes:

- (a) Range reflects estimated demand using MEWLO and observed over watering of 25.6% in recently developed irrigation systems.
- (b) Assumes 3.77% demand increase due to climate change.

As previously discussed, aside from the existing 450 AFY of recycled water supply, planned recycled water supplies from the Valencia, Newhall Ranch, and Vista Canyon WRPs would come from the New Drop Program. Importantly, as indicated above, water from these New Drop Program sources would not be required to maintain environmental discharges to the Santa Clara River. As a result, it would be available to meet a considerable portion of the total projected long-term recycled water demands.

Total recycled water use projections through 2050 are summarized in Table 3-11. As annual demands discussed above exceed supplies, recycled water usage is based on available supplies. In later years, it is projected that seasonal storage may be needed to store recycled water during the winter months to help meet peak summer demands. Additionally, potable make-up water will be needed to help meet summer peaking demands in the non-potable irrigation system.

**TABLE 3-11  
PROJECTED RECYCLED WATER USE**

	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Existing Recycled Water Use	450	450	450	450	450	450
New Recycled Water Use	1,849	3,696	5,091	6,498	7,499	8,511
<b>Total Projected Recycled Water Use<sup>(a)</sup></b>	<b>2,299</b>	<b>4,146</b>	<b>5,541</b>	<b>6,948</b>	<b>7,949</b>	<b>8,961</b>
<b>Total Potential Recycled Water Demand<sup>(b)</sup></b>	<b>4,559</b>	<b>6,514</b>	<b>8,441</b>	<b>9,191</b>	<b>9,469</b>	<b>9,749</b>

Notes:

- (a) Total projected water use is equal to total projected recycled water supply as total potential recycled water demand exceeds total projected supply.
- (b) Difference in recycled water supply and total potential recycled water demand will be made up by potable water supplies, i.e., make-up water.

In accordance with the UWMP Act, the 2020 UWMP describes and quantifies the potential uses of recycled water in the Valley based on the substantial wastewater flows and recycled water generated by the local WRPs. However, as noted above, if recycled water supplies from the local WRPs are not available in the amounts identified in Table 3-11 to meet potential uses because of regulatory or other constraints, other sources of supply available to SCV Water as provided in the 2020 UWMP would be utilized to meet non-potable demands until such time as recycled water supplies may become available.

### **3.7.8 Recycled Water Demand**

The RWMP Update also included a high-level assessment of opportunities for potable reuse within the Santa Clarita Valley via groundwater recharge, surface water augmentation and direct potable reuse and the development of seasonal storage (Woodard and Curran 2021). In general, due to the seasonal variability of recycled water demand, SCV Water has an excess of recycled water supply during the winter months. Excess recycled water flows are currently discharged to the Santa Clara River. These excess flows could be better utilized by constructing seasonal storage facilities which can store recycled water during winter months when the demands are low and feed the system with the stored supply in the summer months when demands exceed the operational supply. These opportunities would be evaluated further in future UWMP updates.

- **Groundwater recharge (“indirect potable reuse”) via surface spreading** at an off-stream location near the Santa Clara River could provide for recharge of excess available recycled water in the winter and off-peak irrigation months. A more detailed feasibility study would be required to confirm the volume of recycled water that could be recharged and recovered based on current regulations, source water quality, operational and cost considerations.
- **Surface Water augmentation** at Castaic Lake would require full advanced treatment of the recycled water from SCVSD, brine disposal and significant conveyance requirements at a very high cost. It is also unknown at this time whether a surface water augmentation project would be able to meet applicable regulatory criteria and how much water could be augmented.

- **Direct potable reuse (DPR)**, though not currently permitted in California, would involve the purposeful introduction of highly purified recycled water into a drinking water supply, immediately upstream of a drinking Water treatment plant or directly into the potable water supply distribution system downstream of a water treatment plant. A DPR concept could potentially utilize recycled water not already allocated or planned for non-potable reuse or determined necessary for instream use and would require full advanced treatment of the recycled water from SCVSD, brine disposal and only minimal conveyance requirements. SCV Water intends to track direct potable reuse developments in California and revisit the feasibility of DPR in the future.

### 3.7.9 Recycled Water Comparison

The 2015 UWMP projected a total recycled water demand of 1,015 AFY by the year 2020. Actual data shows 468 AF was served in 2020 which reflects the existing golf course and landscape demands. 2020 demand is lower than originally predicted because the recycled water distribution system expansion did not occur as anticipated. Table 3-12 provides a comparison of the projected versus the actual 2020 demand. Based on current estimates, recycled water demand over the next five years is anticipated to increase 10-fold as shown in Table 3-12.

**TABLE 3-12  
RECYCLED WATER USES – PROJECTION COMPARED WITH ACTUAL USE (AFY)**

User Type	2015 Projection for 2020	2020 Actual Use
Landscape	622	99
Golf Course Landscape	393	375
<b>Total</b>	<b>1,015</b>	<b>468</b>

### 3.7.10 Methods to Encourage Recycled Water Use

Currently, to the extent feasible SCV Water is offering recycled water as available at a lower rate to encourage the use of recycled water and to help offset some of the conversion costs. In addition to pricing incentives SCV Water is committed to Valley-wide messaging regarding recycled water benefits and costs. At its March 2, 2021, Board Meeting, SCV Water authorized the General Manager to implement the Purple PREP (Planning Readiness and Effectuating Program) Pilot to facilitate conversion of the Phase 2B and 2D customer irrigation systems to recycled water. Under the program customers can choose either direct installation of required retrofit materials or receive a financial incentive up to the actual cost of the retrofit. SCV Water is currently considering the development of a Valley-wide recycled water ordinance, which would require the use of recycled water if available, rather than relying solely on pricing incentives and voluntary connections. On August 1, 2023, the SCV Water Board of Directors adopted an update of the Recycled Water Rules and Regulations which provide the terms for use of recycled water within SCV Water’s service area.

### **3.7.11 Optimization Plan for Recycled Water**

Currently, the amount of recycled water available from the WRPs is not adequate to meet the total demands of the completed recycled water system, which relates to both infrastructure and regulatory factors. Notably, however, as potable water demands increase in the Valley over time, wastewater flows will increase and the amount of recycled water production to meet future system demands would also increase. Therefore, the construction of the recycled water system is being phased to utilize the increases in WRP production. A detailed discussion of the recommended phasing plan was provided in the RWMP Update.

Phasing implementation of the recycled water system is recommended for the following reasons:

- A number of the potential recycled water users are future users that do not yet need recycled water.
- The current amount of recycled water available from the local WRPs is not yet adequate to meet the total demands of all the existing *and* planned future identified recycled water users.
- Capital funding requirements would be spread over the current planning period through 2050.

The implementation phases are prioritized based on the status of the potential recycled water users (existing or future), the anticipated construction schedule of future users and the proximity of the users to the non-potable water source (e.g., Valencia WRP, Vista Canyon WRP and Newhall Ranch WRP).

Phase 2A and 2C are planned for construction over the next 10 years and combined with the recent completion of Phase 2B, 2D and a portion of the Newhall Ranch Mission Village will substantially increase recycled water deliveries within the service area. These projects are being prioritized to take advantage of available funding for recycled water projects under Proposition 1 and to align with the construction schedule for the Newhall Ranch Development.

The Newhall Ranch/Five Point project represents a major increase in recycled water use and is anticipated to continue construction over the next 20 to 25 Years. The construction of these facilities is being paid for by the developer.

As these uses come on-line, recycled water demand may exceed supplies particularly during the summer months, thus the distribution to future users would be based on the following considerations:

- Service area boundaries,
- Ease or willingness of customers to connect to recycled water,
- Capital and operational costs,
- Funding availability,
- Community impacts and development requirements,
- Supply reliability and system flexibility considerations, and
- Availability of recycled water supplies due to regulatory or other legal constraints.
- Additional Considerations Relating to the Use of Recycled Water

Additional information relating to recycled water concerning the SCVSD Chloride Compliance Plan, and the groundwater basin's Salt and Nutrient Management Plan are in the 2020 UWMP.

### **3.8 Capital Outlay Program**

Financing the delivery of water supplies for SCV Water's customers, including this project, is set forth in SCV Water's Biennial Budget for FY 2023/24 and FY 2024/25. The link to the published document is on

Page 6-6 of this Water Supply Verification. Water operations and new projects are paid from various funds as described below:

- General Fund – Fund used to account for and report all financial resources not accounted for and reported in another fund
- Capital Project Fund – Capital projects that are financed
- State Water Contract Fund – Funds received from ad valorem property taxes for payment of DWR fixed and variable costs
- Facility Capacity/Connection Fees – Funds that are collected from development or developers

The Biennial Budget describes anticipated revenues from various sources such as water sales, bonds, loans, litigation settlements, taxes, and fees along with anticipated expenditures associated with these funds including those to pay for existing and new sources of water supply.

Following a recent credit rating upgrade to AA+ by Standard & Poor's, SCV Water's 2023 revenue bonds were successfully sold in the market on Tuesday, August 1, 2023. The \$75 million bond issuance achieved an all-in total interest cost of 2.85% and the Agency had an oversubscription of interest from investors of 3.8 times that amount. These funds along with those generally described above will be utilized to ensure the continued investment in SCV Water's capital infrastructure and water supply.

SCV Water's near and long-term budgeting plans include investment in the key initiatives described in this WSV such as installation of treatment facilities for Perchlorate/VOC and PFAS impacted wells, construction of new Saugus Formation wells, construction of recycled water facilities, expansion of groundwater banking, pursuit of Sites reservoir and expansion of demand management programs.

Specifically, SCV Water's FY 2023/24 and 2024/25 biennial budget is proposing to invest more than \$123 million in new infrastructure and infrastructure replacement in FY 2023/24, and more than \$148 million in FY 2024/25. The FY 2023/24 CIP plan includes \$46.7 million in debt-funded capital projects and \$76.3 million in pay-go capital projects. The FY 2024/25 CIP plan includes \$92.8 million in debt-funded capital projects and \$55.7 million in pay-go capital projects.

The Biennial Budget contains more detailed information regarding SCV Water's expenditures and revenues, including individual project descriptions.



## **Section 4: Supply Reliability Planning and Accounting for Uncertainties Associated with Groundwater Contamination and Other Factors**

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Planning for water supplies in California inherently involves the management of risks and uncertainties. Changes in public policy, regulatory requirements, and advancement of scientific knowledge can all affect future water supplies. This section addresses the risks and uncertainties that SCV Water is managing. Specifically, this section addresses risk and uncertainties associated with water quality, specifically restoration of existing wells and proposed wells given ongoing groundwater contamination, how climate change may impact various sources of supplies and demand for water, and how ongoing development of new water use efficiency may impact water supplies and demands. Finally, this section discusses how analysis undertaken by SCV Water in its Water Supply Reliability Plan Report, supplements the analysis performed in the 2020 UWMP and demonstrates how SCV Water can manage risk should the path to implementing certain future water supplies be blocked.

A key factor to meeting future demands is restoring existing groundwater supplies that are currently contaminated with Perchlorate, PFAS, and VOCs. This section provides a detailed discussion based primarily on Section 6 of the 2020 UWMP, regarding water quality and steps necessary to recover these supplies as well as access additional groundwater supplies from the Saugus Formation. The discussion in this report, however, contains certain updates regarding the schedules relating to recovery of existing well capacity impacted by water quality constraints.

Further, anticipated climate change is projected to impact nearly all of SCV Water's water supplies. While Sections 1.7 of the 2020 UWMP provides a summary of potential effects of climate change on California and the Santa Clarita Valley, this WSV provides additional discussions on how climate change information, based largely on State provided information, was incorporated into the water demands and water supplies analyzed in the 2020 UWMP and this WSV. This information was incorporated into SCV Water's 2021 Water Supply Reliability Plan Update that analyzed not only the proposed UWMP water resource mix, but alternative scenarios to achieve water supply reliability.

Additionally, the State is in the process of implementing policy bills enacted by the California Legislature, Assembly Bill 1668 (AB1668, Friedman), Senate Bill 606 (SB606, Hertzberg) and SB 1157 (SB 1157, Hertzberg) that will provide new water efficiency standards that will eventually lead to enforceable urban water use objectives. Although these standards have not yet been adopted, implications to recycled water availability and urban water demand are discussed below.

### **4.1 Water Quality**

The quality of any natural water is dynamic in nature. This is true for both the imported and local groundwater of the Basin. During periods of intense rainfall or snowmelt, routes of surface water movement may change resulting in variable quantities of constituents being mobilized. The quality of water changes over the course of a year. These same basic principles apply to groundwater. Depending on water depth, groundwater will pass through different layers of rock and sediment and potentially dissolve different materials from those strata, change concentrations due to oxidation or reduction reactions or precipitate constituents due to oversaturation. Water depth is a function of recharge from local rainfall and from adjacent basins due to subsurface inflow and withdrawal from groundwater pumping. Water quality is not a static feature of surface water and groundwater, and these dynamic variables must be recognized.

Water quality regulations also change. This is the result of the discovery of new contaminants, updated understanding of the health effects of previously known as well as new contaminants, development of new analytical technology and the introduction of new treatment technology. Most water suppliers in California are subject to drinking water standards set by the United States Environmental Protection Agency (USEPA) and the SWRCB DDW, formerly the DPH. Additionally, each year prior to July 1<sup>st</sup>, a Consumer Confidence Report or Water Quality Report (WQR) is made available to all Valley residents who receive water from SCV Water. This report includes detailed information about the results of quality testing of the groundwater and treated SWP Water supplied during the preceding year.<sup>18</sup> Water quality is also addressed in the annual Santa Clarita Valley Water Report, which describes the current water supply conditions in the Valley and provides information about the water requirements and water supplies of the Santa Clarita Valley.

The quality of water received by individual customers will vary depending on whether they receive imported water, groundwater, or a blend. Some will receive only imported water at all times, while others will receive only groundwater. Others may receive water from one well at one time, water from another well at a different time, different blends of well and imported water at other times, and only imported water at yet other times. These times may vary over the course of a day, a week, or a year.

This section provides a general description of the water quality of the supplies within the Valley, aquifer protection and a discussion of potential water quality impacts on the reliability of these supplies.

## **4.2 Water Quality Constituents of Interest**

SCV Water is committed to providing its customers with high quality water that meets all federal and state primary drinking water standards. Some contaminants are naturally occurring minerals and radioactive material. In some cases, the presence of animals or human activity can contribute to the constituents in the source waters. The following sections address constituents reported in the 2023 WQR and the 2021 Santa Clarita Valley Water Report (January 2023) that may impact water quality.

### **4.2.1 Perchlorate**

Perchlorate, a chemical used in making rocket and ammunitions propellants as well as flares and fireworks, has been a water quality concern in the Santa Clarita Valley since 1997 when it was originally detected in four wells operated by SCV Water in the eastern part of the Saugus Formation, near the former Whittaker-Bermite facility. In late 2002, the contaminant was detected in a fifth well, this one located in the Alluvial Aquifer (Stadium Well) but also located near the former Whittaker-Bermite site, and which was immediately taken out of service. Of those wells, two (Well 157 and Stadium Well) were sealed and replaced by new wells (201 and Valley Center), and two others (Saugus 1 and 2) were returned to service with treatment by 2011. Well N-11 was taken out of service and remains out of service.

Perchlorate was detected again in early 2005 in a second Alluvial well (Well Q2) near the former Whittaker-Bermite site, and in 2006 in very low concentrations (below the detection limit for reporting) in a fifth Saugus well (Well N13) near one of the originally impacted wells.

In response to the detection of perchlorate at alluvial Well Q2, it was removed from active service, and the preparation of an analysis and report assessing the impact of, and response to, the perchlorate contamination of that well was commissioned. A capture zone analysis utilizing the numerical groundwater flow model was conducted to assess the potential risk of perchlorate migration to Well Q2 and other nearby alluvial wells. This analysis determined that there was a low risk of perchlorate migration to Well Q2. The

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<sup>18</sup> SCV Water 2023 Consumer Confidence Report

response for Well Q2 was to obtain permitting for installation of wellhead treatment, followed by the installation of treatment facilities, and returning the well to water supply service in October 2005. After nearly two years of operation with wellhead treatment, including regular monitoring specified by the DPH, all of which resulted in no detection of perchlorate in Well Q2, it was requested that DPH allow treatment to be discontinued. DPH approved that request in August 2007, and treatment was subsequently discontinued. In 2019, perchlorate was detected again in Well Q2. In response, a treatment system for Well Q2 was completed in early 2021, and the well has just recently been returned to service.

Well N-13 has remained in service with regular sampling per DDW requirements. Perchlorate concentrations in Well N-13 are currently below the Maximum Contaminant Level (MCL). In 2007, the DPH (currently the DDW) established the MCL for perchlorate at 6 micrograms per liter ( $\mu\text{g/L}$ ). It is currently assumed that, if required due to changes in future regulations, a centralized treatment system will be installed for Wells N-12 and N-13 at the Well N-12 location.

For Wells Saugus 1 and Saugus 2, DDW has imposed a requirement that perchlorate levels be below the Detection Level for Reporting (DLR) of 2  $\mu\text{g/L}$ . These wells are in active service utilizing approved perchlorate treatment and will be treated for VOCs at the Saugus Perchlorate Treatment Facility by 2026.

In August 2010, perchlorate was detected in a sixth Saugus Formation well (Well 201) and was subsequently removed from service. Confirmation sampling in the months that followed confirmed the detection of perchlorate at concentrations that ranged from 5.7 to 12  $\mu\text{g/L}$ . A perchlorate treatment system is currently installed for Well V-201 and in consultation with DDW it was determined it will also require treatment for VOCs at Well 201. Construction of VOC treatment is currently underway and SCV Water is working with DDW to finalize a permit for operation of the treatment systems for both perchlorate and VOCs. Based on the current schedule, the well may come back online by 2025.

Following the detection of perchlorate in Well 201 in 2010, pumping from a nearby Saugus Formation well (Well 205) was minimized to reduce potential perchlorate migration. In April 2012, Well 205 was voluntarily taken out of service entirely when perchlorate was detected in low concentrations below the DLR. As of the date of this report, final design activities for Well 205 treatments are in progress. This design includes provisions for treatment of both perchlorate and VOCs. The completion of a treatment system for Well 205 is anticipated to occur by 2026. To date, perchlorate has been detected in a total of nine wells, seven located in the Saugus Formation and two in the Alluvium. Table 4-1 summarizes the current remediation status of all wells where perchlorate has been detected.

Long-term efforts toward the remediation of perchlorate contamination since first detected in 1997 continue to this day. The objective of the perchlorate restoration and containment plan has been to stop the migration of the contaminant plume and restore lost well capacity through pump and treat methods and replacement wells. The following discussion is provided to illustrate the work that has occurred over the last 20 years to reactivate the impacted Saugus 1 and Saugus 2 groundwater supply wells, and that has been expanded to include Wells 201 and 205. SCV Water's Saugus Perchlorate Treatment Facility has been online since 2011, treating Wells Saugus 1 and Saugus 2. The groundwater model that was developed for use in analyzing the operating yield and sustainability of groundwater in the Basin was also used to analyze the capture and control of perchlorate contamination in the originally impacted Saugus wells. As part of the evaluation of the containment system's effectiveness, the Basin groundwater model was updated and recalibrated using actual pumping data (see LSCE & GSI, 2009). The updated model was also utilized in 2014 and 2015 to evaluate restoration and containment options and select the preferred approach to contain the migration of perchlorate downgradient of the Whittaker-Bermite site and restore Wells 201 and 205 to service (GSI and LSCE, 2014).

In addition to the offsite containment and restoration activities, significant work has continued at the Whittaker-Bermite facility to advance a Saugus Aquifer Containment and Extraction Program. To date the following efforts have been made. A Work Plan, Saugus Aquifer Pilot Remediation Well Network, OU7 was approved on December 31, 2008; and subsequently, implementation of the Work Plan started. A multi-layer groundwater flow model was developed to simulate various groundwater pumping scenarios for capture of impacted groundwater in the Saugus Aquifer beneath the site and the surrounding areas. The optimum number and locations of extraction wells were determined based on the modeling scenarios, and the extraction wells and performance monitoring wells were installed.

Construction of the Saugus Aquifer Treatment Plant (SATP) was completed, and operation of the pump and treatment system started in August 2017. The SATP includes liquid granular activated carbon (LGAC) for removal of VOCs and a fluidized bed reactor (FBR) for biological treatment of perchlorate in extracted groundwater. The treated water is discharged to the Santa Clara River, in full compliance with provisions of the NPDES permit issued by the Los Angeles RWQCB. Treated water discharged to river percolates through the riverbed and recharges the alluvial aquifer beneath the riverbed.

Approximately 843,053,600 gallons of water have been treated and discharged since start-up.

**TABLE 4-1  
STATUS OF IMPACTED WELLS**

<b>Year Perchlorate Detected</b>	<b>Well</b>	<b>Groundwater Aquifer</b>	<b>Status</b>
1997	Saugus 1	Saugus	DPH (now DDW) approved well return to service in January 2011; well in active service utilizing approved perchlorate treatment.
1997	Saugus 2	Saugus	DPH (now DDW) approved wells return to service in January 2011; well in active service utilizing approved perchlorate treatment.
1997	Well 157	Saugus	Sealed and capacity replaced by new well.
1997	Well N11	Saugus	Out of service.
2002	Stadium Well	Alluvium	Sealed and capacity replaced by new well.
2005	Well Q2	Alluvium	Due to perchlorate detection again in 2019, a treatment system was completed in early 2021 and the well has recently been returned to service in 2023.
2006	Well N13	Saugus	Regular DDW monitoring, concentrations currently below MCL; well remains in service.
2010	Well 201	Saugus	A perchlorate treatment system was installed in 2017. Construction for VOC treatment facility in progress with estimated restoration in 2025.
2012	Well 205	Saugus	Final design for treatment at Well 205 in progress with estimated well restoration in 2026.
2022	N-Well	Alluvium	Due to perchlorate detection in 2022, the existing PFAS treatment facility Operations Permit was amended. No physical changes to the treatment facility were required; well remains in service.

## **Saugus 1 and Saugus 2**

In 2002 SCV Water and the U.S. Army Corps of Engineers (ACOE) signed a cost-sharing agreement for a feasibility study of the area. Under federal and state law, the owners of the Whittaker-Bermite property have the responsibility for the groundwater cleanup. SCV Water and the Department of Toxic Substances Control (DTSC) signed an oversight agreement in 2003 (amended in 2012) regarding studies of treatment technologies for removing perchlorate from water supplies, and also worked with DDW to obtain the necessary permits for these treatment processes. Treatment method pilot studies were conducted during 2003, and in 2004 SCV Water and the purveyors selected ion exchange as the preferred treatment method for removing perchlorate.

Although that agreement expired in January 2005 the parties, under DTSC oversight, jointly developed a plan to “pump and treat” contaminated water from two of the purveyors’ impacted wells to stop migration of the contaminant plume and to partially restore the municipal well capacity that had been impacted by perchlorate. The containment plan specified that wells Saugus 1 and Saugus 2 operate at an initial continuous pumping rate of 1,100 gpm (1,772 AFY) at each well, for a combined total of 2,200 gpm (3,544 AFY) from the two wells. The annual pumping volume of 1,772 AFY per well assumes that pumping will occur continuously, except for occasional maintenance purposes.

A final settlement to fund, remediate and treat the contaminated water was completed and executed by the parties in April 2007. Construction of the treatment facility and pipelines began in November 2007 and treatment of the water began in 2010. Water from Wells Saugus 1 and Saugus 2 was initially treated and discharged into the Santa Clara River. DDW issued an amendment to the Operating Permit in December 2010, and the wells were placed back in water supply service in January 2011. Since then, SCV Water has included this water as part of its supply and has been delivering this water to purveyors.

## **Wells 201 and 205**

While a recommendation plan was submitted to restore Well 201 to service that utilized funding from the Whittaker Corporation and its insurer for installing wellhead treatment for contaminated water from Well 201, it has subsequently been determined that treatment for VOCs at well 201 is necessary. SCV Water has initiated construction of this additional treatment at Well 201 as well as initiating design for perchlorate and VOC treatment at Well 205. During the time Wells 201 and 205 have been removed from service, the temporary loss of capacity was made up for from the remaining, non-impacted Saugus production facilities and imported water supplies. Restoration of Well 201, operation of Well 205, and new Saugus well construction to replace lost capacity and to expand production capacity from the Saugus Formation are planned to achieve target Saugus Formation capacity through single and multiple dry years as discussed in Section 3.3.

Returning the impacted Saugus well (Well 201) to municipal water supply service after installing treatment requires DDW approval before the water can be considered potable and safe for delivery to customers. The permit requirements are contained in Process Memo 97-005 for direct domestic use of impaired water sources.

Before issuing a permit to a water utility for use of an impaired source as part of the utility’s overall water supply permit, DDW requires that studies and engineering work be performed to demonstrate that pumping the well and treating the water will be protective of public health for users of the water. The Process Memo 97-005 requires that DDW review the water utility’s plan, establish appropriate permit conditions for the wells and treatment system, and provide overall approval of returning the impacted wells to service for potable use.

The Process Memo 97-005 requires, among other things, the completion of a source water assessment for the impacted well intended to be returned to service. The purpose of the assessment is to determine the extent to which the aquifer is vulnerable to continued migration of perchlorate and other contaminants of interest from the Whittaker-Bermite site. The assessment was completed and initially submitted to DDW for approval in 2015. The assessment includes the following:

- Delineation of the groundwater capture zone caused by operating the impacted wells.
- Identification of contaminants found in the groundwater at or near the impacted wells.
- Identification of chemicals or contaminants used or generated at the Whittaker-Bermite facility.
- Determination of the vulnerability of pumping the impacted wells to these contaminant sources.

A perchlorate treatment system is currently installed for Well 201 and planning for VOC treatment has been initiated. The well is expected to be back online for domestic use by 2025. Well 205 is also subjected to Process Memo 97-005 and design for treatment at Well 205 is in progress with an estimated well restoration date by 2026, as shown in Table 4-1. Additional details on DDW permitting and associated operational timeline for Wells 201 and 205 are provided in Section 4.7.

Ultimately, restoration plans and the DDW requirements are intended to ensure that the water introduced to the potable water distribution system has no detectable concentration of perchlorate and all water currently discharged from the potable water distribution system complies with all applicable drinking water standards.

#### **4.2.2 Per- and Polyfluoroalkyl Substances (PFAS)**

Per- and polyfluoroalkyl substances (PFAS) are a group of man-made chemicals that have been utilized in a wide array of industrial processes, including among others, production of stain- and water-resistant fabrics, cookware, food packaging, and fire-fighting foams. Among the nearly 5,000 types of PFAS, the two long-chained PFAS, perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) have been produced in the largest amounts. While the use of PFAS has been reduced since the early 2000s, PFOS and PFOA are persistent in the environment and resistant to typical environmental degradation processes which has led to their accumulation and widespread contamination of natural resources, including groundwater supplies.

In 2016, the United States Environmental Protection Agency (USEPA) implemented a new lifetime health advisory level of 70 parts per trillion (or 70 nanogram per liter [ng/L]) for the combined concentrations of PFOA and PFOS in drinking water. In August 2019, DDW set a notification level (NL) of 5.1 and 6.5 ng/L for PFOA and PFOS, respectively. Subsequently, in February 2020, the DDW set a response level (RL) of 10 ng/L for PFOA and 40 ng/L for PFOS, based on a running annual average (RAA). RL is the concentration at which DDW recommends that a well is taken out of service, pending treatment. If a chemical concentration is greater than its NL (but below the RL) in drinking water that is provided to consumers, DDW recommends that the utility inform its customers and consumers about the presence of the chemical, and about health concerns associated with exposure to it. Potential regulatory limits for several short chain PFAS compounds are currently undecided.

In March 2023, the USEPA announced a proposal to establish a national standard maximum contaminant level (MCL) for PFAS in drinking water. These include limiting PFOA and PFOS to 4 parts per trillion (ppt, ng/L) and utilizing a Hazard Index (HI) approach for several other PFAS including PFHxS, PFBS, PFNA, and HFPO-DA (i.e., Gen-X). The new proposed limits are lower than previous lifetime health advisory levels set by the USEPA of 70 ppt for PFOA and PFOS, combined, and the California Division of Drinking Water (DDW) established notification level (NL) of 5.1 and 6.5 ppt for PFOA and PFOS, respectively, and

the response levels (RL) of 10 ppt for PFOA and 40 ppt for PFOS. The DDW also established NL and RL values for PFHxS at 3 ppt and 20 ppt, respectively, and for PFBS at 500 ppt and 5,000 ppt. NL and RL values for additional PFAS including PFHxA, PFHpA, PFNA, PFDA, and ADONA have been requested by the DDW.

In accordance with an Order issued by DDW in March 2019, SCV Water was required to sample 15 wells for four consecutive quarters for PFAS. Initial quarterly samples were collected in May 2019 and one well (Valley Center), exceeded the EPA RL of 70 ng/L for combined levels of PFOA and PFOS and the well was immediately taken out of service. In addition, 10 of the initial 15 wells sampled exceeded one or both NLS for PFOS and PFOA. Public notification was provided to the SCV Water Board of Directors, the Santa Clarita City Council and Los Angeles County Board of Supervisors. At this time, SCV Water has decided to voluntarily sample all wells quarterly for PFAS. PFOA and/or PFOS levels higher than NLS and RLs were observed in over 60% of the wells. Subsequent public notifications were provided to SCV Water customers, and one well that was found to exceed the RL was immediately taken out of service. In response to the revised RL from February 2020, SCV Water proactively shutdown numerous wells that were anticipated to exceed the RAA for either PFOA or PFOS.

The preparation of a Groundwater Treatment Implementation Plan was initiated in 2020 with the purpose of evaluating the feasibility and costs of PFAS and perchlorate treatment options (Kennedy Jenks 2021). At that time, a total of 28 existing SCV Water wells were identified to be impacted by PFAS, being wells showing representative values of PFOA and PFOS above 80% of the DDW RLs. Based on preliminary results of the alternatives analysis, ion exchange was identified as the preferred treatment option. According to the plan, out of the 28 wells requiring treatment, five wells would have wellhead treatment system and groundwater from the remaining wells would be treated at eight centralized treatment locations. To date, one centralized treatment system has been completed for the three N-wells (N, N7 and N8) and one wellhead treatment has been completed for the Valley Center Well. A second centralized treatment system for the Honby and Santa Clara wells is currently under construction. Restoration of the remaining wells is estimated to occur between 2026 and 2030 as described further in Section 3 and the Santa Clarita Valley Water Agency, Groundwater Treatment Implementation Plan Technical Memorandum (Kennedy Jenks 2021).

In July 2023, SCV Water prepared an addendum to the Groundwater Treatment Implementation Plan (Kennedy Jenks 2023) that revised the list of the wells which may require treatment due to the lower proposed MCL. The addendum identified 9 additional groundwater wells that exceeded the newly proposed MCL's and there is currently a total of 34 wells that may need PFAS treatment should the EPA finalize their establishment of the proposed MCL levels.

This Water Supply Verification has considered the temporary removal of these wells from production over the next 7 years, as all wells are planned to be back on-line prior to 2030. Tables 4-3(a) and 4-3(b) show the schedule for design and installation of the treatment for PFAS.

### **4.2.3 Metals and Salts**

Metals and salts are tested in wells at least every three years and in Castaic Lake water every month. Concentrations of arsenic at levels less than the drinking water standard of 0.01 milligrams per liter that occur naturally from geologic materials are found in Castaic Lake and in a few wells. Inorganic compounds such as salts and metals can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. Arsenic levels in the Santa Clarita Valley have regularly been below the MCL (10 ug/L) and oftentimes below the DLR (2 ug/L), as was the case during 2019 monitoring (LSCE, 2020).

Nitrate in drinking water at concentrations above 45 mg/L is a health risk for infants less than six months of age due to the possibility of methemoglobinemia. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. Principal sources of nitrogen to a watershed typically include discharges from water reclamation plants, septic systems, and recharge from agricultural activities. Nitrates are tested at least annually, and the drinking water meets federal and state MCL standards (2020 WQR).

A TMDL for chloride in the Upper Santa Clara River (Reaches 5 and 6) was adopted by the Los Angeles RWQCB and became effective on May 5, 2005. The Basin Plan Amendment for the chloride TMDL in the Upper Santa Clara River was unanimously adopted by the Los Angeles RWQCB on December 11, 2008. The TMDL identifies the Valencia and Saugus WRPs as the largest sources of chloride to the Upper Santa Clara River and established waste load allocations of 100 mg/L for the Saugus and Valencia WRPs. In 2014, the Los Angeles RWQCB adopted the most recent version of the USCR Chloride TMDL, Resolution R4-2014-010, which incorporated special study findings and assigned waste load allocations of less than 150 mg/L as a 3-month rolling average at the Saugus, and less than 100 mg/L as a 3-month rolling average for the calculated “combined effluents” of the Saugus and Valencia WRPs.

In response to the adopted chloride TMDL, the SCVSD developed a chloride compliance plan that includes source control, construction of UV disinfection facilities at the Saugus and Valencia WRPs, and construction of the AWTF at the Valencia WRP. The AWTF will help meet the chloride TMDL and is anticipated to be completed by 2022.

#### **4.2.4 Disinfection By-Products**

SCV Water uses ozone and chloramines to disinfect its water supply. Disinfection By-Products (DBPs), which include Trihalomethanes (THMs) and Haloacetic Acids (HAA5), are generated by the interaction between naturally occurring organic matter and disinfectants such as chlorine and ozone. THMs and HAA5 are measured at several points throughout the distribution system. Each location is averaged once per quarter and reported as a running annual average.

Ozone is a very powerful disinfectant that not only kills organisms that no other disinfectant can, but also destroys organic chemicals that cause unpleasant tastes and odors. However, ozone can also interact with bromide, a naturally occurring salt, to produce bromate. Bromate is measured weekly in the surface water treatment plant and compliance is based on a running annual average.

#### **4.2.5 Total Trihalomethanes**

Total Trihalomethanes (TTHMs) are byproducts created when chlorine is used as a means for disinfection. The Stage 2 Disinfectants and Disinfection Byproducts Rule, implemented by EPA in 2005, requires water systems to apply an MCL of 80 ug/L for TTHM at each compliance monitoring location (instead of as a system-wide average as in previous rules). SCV Water implements a combination of chlorination (using calcium hypochlorite) and chloramination across its system and maintains TTHM levels below the MCL, as documented in the 2020 WQR.

#### **4.2.6 Microbiological**

Microbial contaminants, such as viruses and bacteria, can be naturally occurring or result from urban stormwater runoff, sewage treatment plants, septic systems, agricultural livestock operations and wildlife. Water is tested throughout the systems weekly for Total Coliform bacteria and testing for *Escherichia coli*



(*E. coli*) occurs when coliform testing is positive. No *E. coli* was detected in any drinking waters in 2019. The MCL for total coliforms is 5 percent of all monthly tests showing positives for larger systems. Bacteriological tests met federal and state requirements. Additional microbiological tests for the water-borne parasites *Cryptosporidium parvum* and *Giardia lamblia* were performed on Castaic Lake water, and none were detected.

#### **4.2.7 Radiological Tests**

Radioactive compounds can be found in both ground and surface waters and can be naturally occurring or be the result of oil and gas production and mining activities. Testing is conducted for two types of radioactivity: alpha and beta. If none is detected at concentrations above five picoCuries per liter no further testing is required. If it is detected, the water must be checked for uranium and radium. Although naturally occurring radioactivity can be detected, existing monitoring data indicate that alpha and beta levels are below the federal and state MCL standards.

#### **4.2.8 Organic Compounds**

Organic chemical contaminants, including synthetic and volatile organic chemicals, are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff and septic systems. Organic compounds also include pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff and residential uses. Water is tested for two types of organic compounds, volatile organic compounds (VOCs) and non-volatile synthetic organic compounds (SOCs). These organic compounds are synthetic chemicals produced from industrial and agricultural uses. Castaic Lake water is checked annually for VOCs and SOCs.

Although VOCs tend to escape from surface water through volatilization (evaporation) into the air, once dissolved in groundwater they are more persistent. Local wells are tested at least annually for VOCs and periodically for SOCs. VOCs have been measured in trace levels in some of the SCV Water wells. Trichloroethylene (TCE) represents the major VOC constituent detected in these wells. Tetrachloroethylene (PCE) has also been detected in a few samples. However, the measured levels of these constituents in these wells are well below their respective MCLs.

SCV Water's Water Supply Permit for Wells Saugus 1 and 2 sets an operational goal of no VOCs above the DLR (0.5 ug/L) in its distribution system. Over the last 5 years, the operational goal has been achieved in more than 95% of the samples collected. When there are detections, they are well below the MCL and just slightly above the DLR. SCV Water performed a VOC source identification study in July 2015 which concluded that the likely source was the Whittaker-Bermite site. SCV Water is currently working with DTSC to develop additional monitoring requirements for both sites. Supplemental VOC treatment of Saugus 1 and 2 wells is currently in design.

During startup of the Well 201 perchlorate treatment facility, TCE was detected slightly above the DLR. Detections of TCE in Well 201 have ranged from a high of 1.3 ug/L to <DLR. Average detections are slightly above the DLR at around 0.6 ug/L. In discussions with DDW, it was determined supplemental treatment for VOCs would be required at Well 201. This additional treatment component is currently under construction. In order to bring Well 201 back into potable production, SCV Water will be subject to Process Memo 97-005 requirements. SCV Water anticipates construction and permitting to be completed by 2025. Recognizing the potential for similar challenges at Well 205, initial design incorporates the need for treatment of VOCs and the need to meet Process 97-005 requirements. Well 205 is anticipated to become available in 2026

In order to address contamination at the Whittaker-Bermite site, a remedial action plan (RAP) and associated CEQA document were approved by DTSC on December 2, 2014. The RAP presents an evaluation of identified remedial alternatives for containment and cleanup of impacted groundwater at the Whittaker-Bermite site. In accordance with the RAP, a Saugus Aquifer Treatment Plant was constructed and began operation in August 2017. The treatment plant includes a fluidized bed reactor (FBR) system which provides biological treatment of perchlorate and liquid granular activated carbon which is used to remove VOCs in groundwater. Approximately 843,053,600 gallons of water have been treated since start-up.

### **4.3 Imported Water Quality**

SCV Water provides SWP and other imported water to the Valley. The source of SWP water is rain and snow of the Sierra Nevada, Cascade, and Coastal Mountain ranges. This water travels to the Delta through a series of rivers and various SWP structures. From there it is pumped into a series of canals and reservoirs, which provide water to urban and agricultural users throughout the San Francisco Bay Area and central and southern California. The most southern reservoir on the West Branch of the SWP California Aqueduct is Castaic Lake. SCV Water receives water from Castaic Lake and distributes it to its customers following treatment.

SCV Water operates two water treatment plants, the Earl Schmidt Filtration Plant located near Castaic Lake and the Rio Vista Water Treatment Plant located in Saugus. SCV Water produces water that meets drinking water standards set by the U.S. EPA and DDW. SWP Water has different aesthetic characteristics than groundwater, with lower dissolved mineral concentrations (total dissolved solids) of approximately 250 to 400 mg/L, and lower hardness (as calcium carbonate) of about 105 to 135 mg/L. Historically, the chloride content of SWP Water varies widely from over 100 mg/L to below 40 mg/L, depending on Delta conditions. In addition, changes in SWP operations, as described below, can also result in water quality variations.

Historically, the SWP delivered only surface water from the Sacramento-San Joaquin River Delta. However, SCV Water along with other SWP contractors have integrated water supply programs also include “water banking” programs where SWP Water is stored or exchanged during wet years and withdrawn in dry years. Withdrawn water can either be delivered by exchange with SWP supplies allocated to others, or by pumping it into the SWP system. During dry periods, a greater portion of water in the SWP includes banked water supplies. The banked water has met all water quality standards established by DWR under its pump-in policy for the SWP. Source water from SCV Water’s Semitropic Bank can require treatment for 123 TCP and arsenic prior to introduction into the Aqueduct depending on the mix of wells used for recovery. To date Semitropic has successfully treated its source water through blending methods and meets DWR pump-in policy. Supplies from SCV Water’s Rosedale Bank have also met DWR pump-in criteria. In general, pumped-in water serves to reduce the chloride concentration in SWP Water. The SWP water chemistry may fluctuate and is influenced by its passage through the Delta, where large amounts of organic material are present and when mixing with salt water from the San Francisco Bay, contributes to bromide and chlorides, occurrences. Chloride levels from the Delta elevate chloride locally resulting in concern for local agriculture that grows chloride sensitive crops. Additionally, bromide and TOC may react with disinfectants such as ozone, chlorine, or DBPs. All constituents met the federal and state MCL levels as reported in the 2020 WQR.

### **4.4 Surface Water Quality**

SCV Water does not deliver and treat water from the Santa Clara River as a source of supply; however, this supply is a source of recharge to the underlying groundwater basin.

The Los Angeles RWQCB Basin Plan (Basin Plan, 1994) provides water quality objectives for surface water in the USCR. These objectives were established to protect the various beneficial uses for that particular water body or reach. The water bodies of the USCR Watershed, which include streams, natural lakes, and reservoirs, span a wide variety of existing, potential and/or intermittent beneficial uses. The following is a list of the beneficial uses identified in the USCR:

- Municipal and Domestic Supply
- Industrial Service Supply
- Industrial Process Supply
- Agricultural Supply
- Groundwater Recharge
- Freshwater Replenishment
- Hydropower Generation
- Water Contact and Non-contact Water Recreation
- Warm and Cold Freshwater Habitat
- Wildlife Habitat
- Rare, Threatened, and Endangered Species
- Spawning, Reproduction, and/or Early Development

All of the surface water bodies in the USCR Watershed support the designated beneficial uses (either existing or intermittent) of municipal and domestic supply, agricultural supply, groundwater recharge, water contact recreation, non-contact water recreation, wildlife habitat, and warm freshwater habitat. In addition, many water bodies (such as Bouquet, San Francisquito, and Soledad Canyons) support the designated beneficial uses (either existing or intermittent) of rare, threatened, or endangered species; wetland habitat; and/or spawning, reproduction, and/or early development.

Regional reservoirs that support hydropower generation include Elderberry Forebay, Castaic Lake, Dry Canyon Reservoir, Bouquet Reservoir, and Pyramid Lake. Local surface waters are not a direct source of drinking water supply in the Region, but they are a continual source of recharge to groundwater which is used to meet municipal water demands.

Based on the 2014 and 2016 California Integrated Report and related Clean Water Act Section 303(d) list, there are a number of impairments identified for Reaches 5, 6 and 7 of the Santa Clara River, and for Lake Hughes, Lake Elizabeth, and Munz Lake, all of which are within the Upper Santa Clara River Watershed.

The Santa Clara River currently has two approved TMDLs due to non-attainment of water quality objectives, one pertaining to chloride and another pertaining to bacteria. Another TMDL is in place for three lakes within the Region that are impaired with trash. Other pollutants impacting local surface waters include nutrients, metals, pesticides, and others.

Surface water quality is monitored in numerous locations throughout the Valley. Continuous sampling records are taken at two gaging stations at the Old Highway 99 Bridge and at the Los Angeles-Ventura County Line (“Blue Cut”).

## **4.5 Groundwater Quality**

The groundwater basin has two sources of groundwater, the Alluvial Aquifer whose quality is primarily influenced by recharge from rainfall and stream flow, and the Saugus Formation, which is a much thicker aquifer and recharged primarily by a combination of rainfall and deep percolation from the partially overlying Alluvium. A larger part of the Valley’s groundwater supply is from the Alluvial Aquifer, between

30,000 to 40,000 AFY; and a smaller portion of the Valley's water supply is drawn from the Saugus Formation, with a target production level between 7,500 and 15,000 AFY in normal water years.

Local groundwater does not have microbial water quality problems. Parasites, bacteria, and viruses are filtered out as the water percolates through the soil, sand, and rock on its way through the vadose zone to the water table (the top of the aquifer). Even so, disinfectants (hypochlorite) are added to local groundwater when it is pumped by wells to protect public health. Local groundwater has very little TOC and generally has very low concentrations of bromide, minimizing potential for DPB formation. Taste and odor problems from algae are not an issue with groundwater.

The mineral content of local groundwater is very different from SWP water. The groundwater is very "hard," and it has high concentrations of calcium and magnesium (approximately 250 to 600 mg/L total hardness as CaCO<sub>3</sub>). Groundwater may also contain higher concentrations of nitrates and sulfates when compared to SWP water. However, all groundwater meets drinking water standards.

#### **4.5.1 Water Quality – Alluvium**

Groundwater quality is a key factor in assessing the Alluvial Aquifer as a municipal and agricultural water supply. Groundwater quality details and long-term conditions, examined by integration of individual records from several wells completed in the same aquifer materials and in close proximity to each other, have been discussed previously in the annual Water Reports and in the 2020 UWMP. Historical groundwater quality as represented by TDS (which is a measure of the amount of dissolved minerals and salts in water expressed in mg/L) from representative wells in the Valley have been reviewed relative to DDW Secondary Maximum Contaminant Levels (SMCL) (Recommended, Upper and Short-term Levels). While concentrations of TDS generally respond to wet periods by exhibiting a downward trend, followed by an increasing trend during a dry period, the historical TDS data does not exhibit a long-term increasing trend and, therefore, no long-term decline in Alluvial groundwater quality. In general, groundwater quality exhibits a "gradient" from east to west, with lowest dissolved mineral content to the east, increasing in a westerly direction; and periodic fluctuations in some parts of the basin, where groundwater quality has inversely varied with recharge from precipitation and stream flow. Those variations are typically characterized by increased mineral concentrations through dry periods of lower stream flow and lower groundwater recharge, followed by lower mineral concentrations through wetter periods of higher stream flow and higher groundwater recharge.

Overall, water quality analyses demonstrate that, with the exception of occasional variances above the SMCL for TDS, groundwater of the Alluvium meets acceptable drinking water standards. The presence of long-term consistent water quality patterns, although intermittently affected by wet and dry cycles, supports the conclusion that the Alluvial aquifer is a viable ongoing water supply source in terms of groundwater quality.

The most notable groundwater quality issue in the Alluvium is PFAS contamination, described in Section 4.2.2.

#### **4.5.2 Water Quality – Saugus Formation**

As discussed above for the Alluvium, groundwater quality is a key factor in also assessing the Saugus Formation as a municipal and agricultural water supply. Long-term Saugus groundwater quality data is not sufficiently extensive to permit any sort of basin-wide analysis or assessment of pumping-related impacts on quality. However, integration of individual records from several wells has been used to examine general water quality trends. Based on those records, water quality in the Saugus Formation has not historically exhibited the precipitation-related fluctuations seen in the Alluvium. Based on available data over the last

fifty years, groundwater quality in the Saugus has exhibited a slight overall increase in dissolved mineral content. Between 2000 and 2005, several wells within the Saugus Formation exhibited an increase in TDS concentrations, similar to the short-term changes in the Alluvium, possibly as a result of recharge to the Saugus Formation from the Alluvium. Between 2006 and 2010, these concentrations steadily declined, followed by an increasing trend through 2016 and decreasing trend through 2019, except for Well N12 which remained stable.

TDS concentrations in the Saugus Formation remain within the range of historic concentrations and below the (aesthetic) MCL upper level. Groundwater quality within the Saugus will continue to be monitored to ensure that degradation which could present concern relative to the long-term viability of the Saugus as an agricultural or municipal water supply does not occur.

The most notable groundwater quality issues in the Saugus Formation are perchlorate and VOC contamination.

## **4.6 Water Quality Impacts on Reliability**

Three factors affecting the availability of groundwater are sufficient source capacity (wells and pumps), sustainability of the groundwater resource to meet pumping demand on a renewable basis and protection of groundwater sources (wells) from known contamination, or provisions for treatment in the event of contamination. The resolution of contamination for aquifer protection is addressed below.

Among the main constituents of concern with potential to impact groundwater availability are perchlorate, VOCs and PFAS. New standards for PFAS and subsequent testing results have indicated groundwater impacts in the Alluvial Aquifer from this constituent group and resulted in SCV Water's decision to shut down several wells in the recent past.

Perchlorate has been a water quality concern in the Valley since 1997 and long-term efforts are ongoing for the containment and remediation of perchlorate contamination. Currently, efforts are focused on stopping the migration of the contaminant plume and restoring the lost well capacity through pump and treat methods. SCV Water has sealed and replaced the capacity of some perchlorate impacted wells with new wells, and it has treated some of the wells and brought them back online. Some impacted wells are subjected to impaired water (97-005) compliance requirements, while others are currently in operation with a DDW approved monitoring program. Additionally, other perchlorate-impacted wells are currently offline awaiting installation (or permit) of treatment. As noted above, two perchlorate treatment facilities have come online since 2011 and a third system was completed in early 2021.

Recognizing the existing water quality issues that affect the local groundwater, from perchlorate and VOCs, and more recently PFAS, SCV Water developed a groundwater treatment and implementation plan (Kennedy Jenks 2021) to improve the reliability of its local groundwater supplies and ensure suitable water quality for meeting its customer potable demands. The implementation plan has been updated by Kennedy Jenks (Kennedy Jenks 2023) in response to the USEPA's announcement of a proposal to establish national standard maximum contaminant levels (MCL) for specific PFAS chemicals in drinking water. It is understood that groundwater treatment and implementation must be developed consistent with SCV Water's GSP, such that any relevant information pertaining to the adequacy, availability, and sustainability of supplies be consistent with the GSP and GSP implementation Plan.

Overall, the plans being developed for groundwater operation will allow SCV Water to meet near term and long-term demand within the SCV Water service area. The loss of capacity of wells impacted by water quality issues and removed from service in the near term will be met by near-term excess capacity in non-impacted wells, other water sources including imported water supplies, and/or through the installation of

replacement well(s), if necessary, until remediation alternatives, including wellhead treatment, and DDW approval is obtained for restoration of the impacted supply. Therefore, no anticipated change in reliability or supply due to water quality is anticipated based on the present data, as is shown in Table 4-2.

**TABLE 4-2  
CURRENT AND PROJECTED WATER SUPPLY CHANGES DUE TO  
WATER QUALITY (PERCENTAGE CHANGE)**

<b>Water source</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
Groundwater							
Alluvial <sup>(a)</sup>	63%	24%	0%	0%	0%	0%	0%
Saugus <sup>(b)</sup>	25%	22%	0%	0%	0%	0%	0%
Imported Water	0%	0%	0%	0%	0%	0%	0%
Recycled Water	0%	0%	0%	0%	0%	0%	0%
Banking Programs	0%	0%	0%	0%	0%	0%	0%

Notes:

(a) Based on forgone pumping capacity comparing all alluvial dry year capacity in 2035 (not including future wells Table 3-4(a) to 2020 and 2025 dry year capacity available (Table 3-4(c)).

(b) Based on forgone pumping capacity comparing all dry year Saugus capacity in 2035 (not including future wells Table 3-5(a) to 2020 and 2025 dry year capacity available (Table 3-5(c)).

## **4.7 Review of Pending Water Quality Permitting for All Wells**

Based on the anticipated process for water quality permitting and current status, this section provides information supporting the proposed timeline for operation of existing Alluvial and Saugus wells which have been found to have contaminants which need treatment, and future additional Saugus wells (Saugus 3 and 4, Saugus 5 and 6, and Saugus 7 and 8) following DDW water quality permitting requirements as summarized in Table 4-3(a) and Table 4-3(b).

**TABLE 4-3(a)  
ANTICIPATED SCHEDULE FOR PERMITTING AND OPERATION OF SAUGUS WELLS**

WELL	MAIN TREATMENT	TREATMENT STATUS	PLANNING START	CEQA START	DESIGN START	CONSTRUCTION START	PERMITTING START	START UP DATE
(Newhall) N12	PFAS	Planning	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
(Newhall) N11, N13	PFAS	Planning	Jan-23	Oct-23	May-24	Mar-25	Dec-25	Jan-26
Saugus 1 & 2	VOCs	Final Design	Mar-21	Mar-21	Oct-23	Mar-24	Sep-25	Oct-25
Well 201 <sup>(a)</sup>	PERCHLORATE/VOCs	Construction	Feb-21	Nov-21	Oct-22	Feb-23	Dec-24	Jan-25
Well 205 <sup>(a)</sup>	PERCHLORATE/VOCs	Final Design	Jun-22	Jul-22	Jun-23	Oct-25	Sep-25	Oct-25
Well 206 & 207 <sup>(b)</sup>	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Saugus 3 and 4		No Treatment Anticipated						
Saugus 5 and 6		No Treatment Anticipated						
Saugus 7 and 8		No Treatment Anticipated						

Notes:

(a) Treatment for VOCs at Wells 201 and 205 will also treat for PFAS

(b) Treatment for PFAS at Wells 206 and 207 to be located at newly constructed Saugus 3 and 4 site location

**TABLE 4-3(b)**  
**ANTICIPATED SCHEDULE FOR PERMITTING AND OPERATION OF ALLUVIAL WELLS**

WELL	MAIN TREATMENT	TREATMENT STATUS	PLANNING START	CEQA START	DESIGN START	CONSTRUCTION START	PERMITTING START	START UP DATE
(N Wells) N, N7, N8	PFAS	Online	Jul-19	Oct-19	Oct-19	Sep-20	Jan-20	Dec-20
Q2	PERCHLORATE	Online					May-23	May-23
Valley Center	PFAS	Online						Oct-22
Santa Clara, Honby	PFAS	Construction	Aug-20	Sep-20	May-22	Aug-22	Nov-23	Dec-23
T7, U4, U6	PFAS	Final Design	Mar-21	Mar-21	Oct-23	Mar-24	Sep-25	Oct-25
S6, S7, S8	PFAS	Final Design RFP	Feb-23	May-23	Jun-24	Nov-24	Aug-26	Sep-26
E14, E15, E16, E17	PFAS	Planning	Dec-23	Jun-24	Dec-24	Dec-25	Oct-26	Dec-26
North Oaks West, Central & East	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Sierra Well	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Well W10	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Well W9	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Well D	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Lost Canyon 2, 2A, Sand Canyon (Mitchell 5B)	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
Mitchel 5A	PFAS	Planning	TBD	TBD	TBD	TBD	TBD	TBD
Clark Well	PFAS	Planning RFP issued	Jul-24	Jan-25	Mar-26	Mar-28	May-28	Jun-28
(Castaic) Well C1	PFAS	Blending Strategy	TBD	TBD	TBD	TBD	TBD	TBD
(Pinetree) Well P3	PFAS	No Planned Treatment	TBD	TBD	TBD	TBD	TBD	TBD
(Castaic) Well C1	PFAS	Blending Strategy	TBD	TBD	TBD	TBD	TBD	TBD
(Pinetree) Well P3	PFAS	No Planned Treatment	TBD	TBD	TBD	TBD	TBD	TBD



## **4.7.1 Process Memo 97-005 Requirements**

Operation of Saugus wells 201 and 205 for drinking water supply will require an amended Water Supply Permit subjected to Process Memo 97-005 for direct domestic use of extremely impaired sources. Based on the revised Process Memo 97-005-R2020 issued by DDW in September 2020, the following studies and documents are required prior to DDW issuance of the water supply permit:

- Process Memo 97-005 documentation, including the following elements:
  - Drinking Water Source Assessment and Contaminant Assessment
  - Full Characterization of Raw Water Quality
  - Drinking Water Source Protection
  - Effective Treatment and Monitoring
  - Evaluation of Human Health Risks Associated with the Failure of the Proposed Treatment
  - Operations Maintenance and Monitoring Plan
- CEQA documentation
- Water supply permit application
- Treatment facility compliance/startup testing plan
- Startup testing data and documentation
- Public hearing

The process outlined by DDW in the revised Process Memo 97-005-R2020 is as follows:

- The water purveyor prepares and submits draft Process Memo 97-005 documentation sections to DDW
- DDW review and provide written approval of the draft Process Memo 97-005 documentation sections sequentially
- The water purveyor completes startup testing of the treatment facility and submits testing data for DDW review and approval
- The Process Memo 97-005 documentation is deemed complete by DDW, including written approval of each section
- The water purveyor applies for an amended Water Supply Permit
- The Process Memo 97-005 documentation and ancillary documents are provided for public review
- DDW and the water purveyor hold a public hearing
- DDW determine whether to issue the amended Water Supply Permit for the extremely impaired source

The anticipated schedule for operation of the Saugus wells has been determined based on the requirements and process outlined above and the current status.

## **4.7.2 Existing and Future Saugus Wells**

### **4.7.2.1 Saugus Well 201**

SCV Water had completed the draft Process Memo 97-005 documentation for Saugus well 201, including collection and documentation of operational data since the system started operating with discharge to surface water in 2017, however a review of submitted information in light of the requirement to incorporate VOC treatment is underway. Well 201 is anticipated to return to service in 2025.

#### **4.7.2.2 Saugus Well 205**

Well 205 is located in the vicinity of Well 201, and evaluation of the anticipated capture zone under different operating conditions has been completed (GSI and LSCE 2014). Because of the close proximity of Well 205 to Well 201 and the similarity of the anticipated wellhead treatment, it can be assumed that significant portions of the draft Process Memo 97-005 documentation for Well 201 will be applicable to Well 205, including:

- Drinking Water Source Assessment and Contaminant Assessment
- Drinking Water Source Protection
- Effective Treatment and Monitoring
- Operations Maintenance and Monitoring Plan

The preliminary design for the treatment system is complete and the final design is underway. Following completion of the final design, it is anticipated that SCV Water will prepare the draft Process Memo 97-005 documentation in close collaboration with DDW, including sequential review of draft sections and requirement of written approval. Treatment system construction and testing is anticipated in 2023-2024, and completion of Process Memo 97-005 documentation, DDW review, and public hearing is anticipated in 2026.

#### **4.7.2.3 Saugus Wells 3 and 4**

Sites for Saugus wells 3 and 4 have been secured and construction is currently proceeding. It is not anticipated that Saugus wells 3 and 4 will be subject to Process Memo 97-005. SCV Water has provided the following information to DDW to confirm this assumption:

- Description of the local hydrogeology and drinking water well design information
- Drinking Water Source Assessment Plan
- Water quality data from monitoring wells located within the anticipated capture area

Drilling approval has been given by DDW, well installation and testing are anticipated in late 2023-early 2024 with permits in late 2024. Wells are anticipated to be placed in service in 2026

#### **4.7.2.4 Saugus Wells 5 and 6**

Sites for Saugus wells 5 and 6 have been preliminarily identified in the Castaic Junction area. Based on the descriptions of “extremely impaired source” in the revised Process Memo 97-005-R2020, it is not anticipated that Saugus wells 5 and 6 will be subject to Process Memo 97-005. Similar to Saugus wells 3 and 4, it is anticipated that SCV Water will provide the following information to DDW prior to well installation:

- Description of the local hydrogeology and drinking water well design information
- Drinking Water Source Assessment Plan
- Water quality data from monitoring wells located within the anticipated capture area

Following review and drilling approval by DDW, well installation and testing are anticipated in 2027.

#### **4.7.2.5 Saugus Wells 7 and 8**

Sites for Saugus wells 7 and 8 have not been identified. Therefore, the schedule for operation of those wells for drinking water supply is anticipated for 2030.

## 4.8 Potential Effects of Climate Change

A topic of increasing importance for water planners and managers is climate change and the potential impacts it could have on California's future water supplies. With a range of potential scenarios and impacts, climate change increases uncertainty of future demand conditions and local and imported water supply conditions thereby posing additional water management challenges.

California is described as one of the most "climate-challenged" regions in North America, in the Fourth Climate Change Assessment (Climate Assessment) (<https://nca2018.globalchange.gov/>), completed in 2018 in coordination with the CEC, CNRA and State Office of Planning and Research. This Climate Assessment includes updated climate projections and supports findings that the State will experience greater impacts from climate change in the future, including shifting hydrology. Among the technical reports prepared for the Climate Assessment is a report on the *Mean and Extreme Climate Change Impacts on the State Water Project* (Wang et al., 2018).

Primary climate change impacts projected by global climate models to impact the State and Santa Clarita Valley region include warming air temperatures and changes in precipitation patterns, with more frequent and intense heavy precipitation events on the one hand and more frequent and more severe droughts on the other hand, among other impacts. While studies related to the region are conclusive regarding the anticipated increase in extreme events, there is disagreement whether average precipitation changes will be towards wetter or drier conditions. Impacts outside the Santa Clarita Valley, but nevertheless of high importance, include rising sea levels and declining snowpack. These conditions impact the availability and reliability of both local and imported water supplies.

Recent findings indicate that higher temperatures will lead to dryer conditions, and an increased occurrence of dry years and multiple dry years resulting in more frequent and more intense droughts. Drought risks are anticipated to be some of the greatest vulnerabilities to water supplies and demands, resulting in among other things reductions in groundwater recharge, reduced runoff, and surface water flows, and reduced local and imported water supply reliability. Additionally, warmer temperatures and changes in precipitation patterns are anticipated to result in increasing water needs as discussed in the following reports:

- Upper Santa Clara River Integrated Regional Water Management Plan
- City of Santa Clarita Climate Action Plan
- Los Angeles Countywide Sustainability Plan
- State Water Project Delivery Capability Report
- California's Fourth Climate Change Assessment
- SCV-GSA Groundwater Sustainability Plan

Climate Change considerations were incorporated into the 2020 UWMP and reflected in this WSV. Specifically, the UWMP included climate change considerations in its projections of water demands as well as its impacts to existing and future water supply sources over the planning period. The climate change information was selected to remain consistent with climate change scenarios used for evaluating supply impacts as recommended by the DWR UWMP Guidebook. Climate change conditions for SWP supplies were incorporated consistent with DWR's 2021 SWP Delivery Capability Report. A more detailed description of the analysis and impacts on demand, groundwater and the State Water Project estimates are provided below.

## Demand

Section 2 of the 2020 UWMP present demands used in this WSV. A more detailed discussion regarding demand development including climate change can be found in the 2020 UWMP.<sup>19</sup>

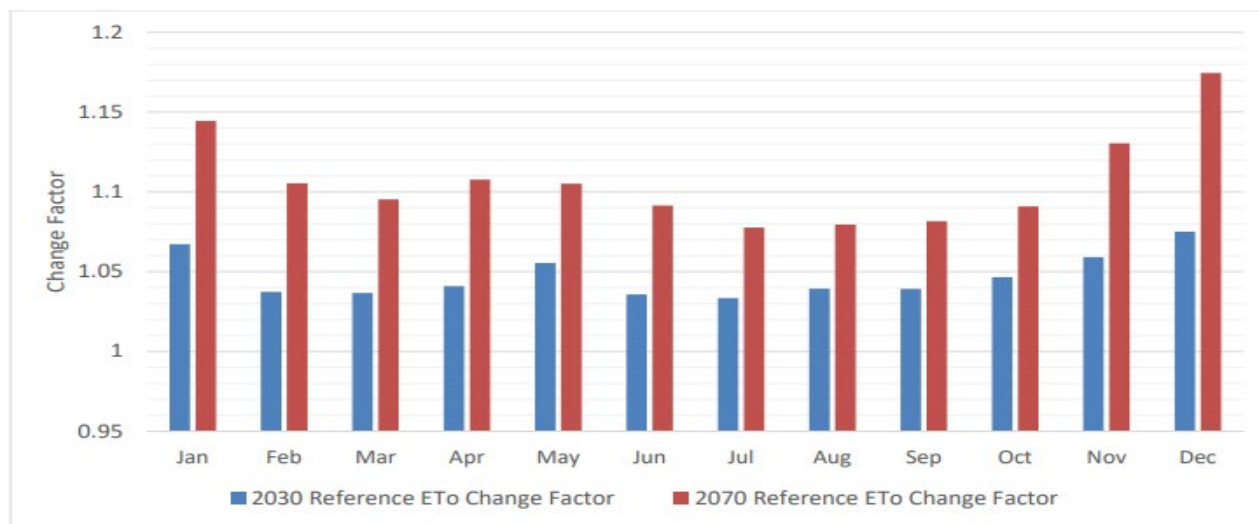
The approach uses the Department of Water Resources (2018a) Guidance for Climate Change Data Use During Groundwater Sustainability Plan Development. In the resource, DWR provides downscaled, gridded information about expected percentage changes in reference Eto and precipitation for two different time horizons (i.e., year 2030 and 2070). Each grid is roughly 6 kilometers by 6 kilometers in area, allowing for a granular assessment of local conditions. These change factors are derived as the average of 20 climate model predictions for each horizon year. These 20 climate models were selected by DWR's Climate Change Technical Advisory Group in 2015 as best representing California.

The gridded change factors are provided as a climatological time series by month and year between 1915 and 2011. It is meant to capture how historical weather during the 1915-2011 period in a grid would have been different under expected climate conditions in 2030 and 2070. This format allows groundwater modelers to simulate water budgets under alternative scenarios, such as actual historical weather, or historical weather modified by the change factors to reflect expected 2030 or 2070 weather conditions.

This simulation approach preserves historical inter-annual weather variability, allowing for an apples-to-apples comparison across the simulation of alternative scenarios. To capture expected future weather conditions in the Santa Clarita Valley, change factors for reference Eto and precipitation were downloaded for the two grids that cover the SCV Water service area and averaged.

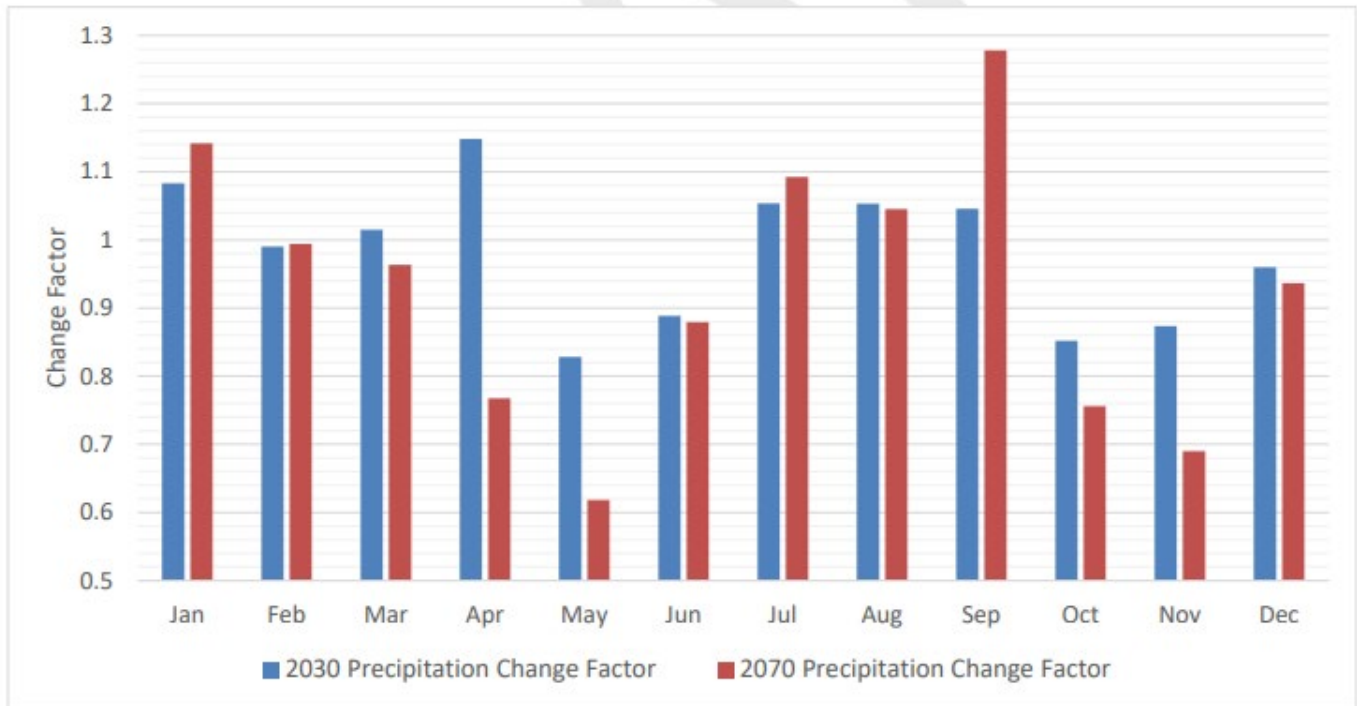
Figure 4-1 shows monthly factors by which reference Eto is expected to be relatively higher in both the year 2030 and year 2070. Figure 4-2 shows the same for precipitation. Change factors are multipliers; thus, a factor of 1.0 would mean no change.

**FIGURE 4-1  
MONTHLY DISTRIBUTION OF Eto COMPARED TO BASELINE**



<sup>19</sup> 2021 SCV Demand Study: Land-Use-Based Demand Forecast Analysis, Appendix F: Population and Demand Technical Memorandum, climate change methodology presented in Appendix F.

**FIGURE 4-2  
MONTHLY DISTRIBUTION OF PRECIPITATION COMPARED TO BASELINE**



These climate change factors suggest that the monthly reference Eto in the Santa Clarita Valley is expected to be higher by approximately 5% in 2030, and 10% in 2070. Although by 2070, winter months would have experienced sharper warming than other months. With respect to precipitation, climate change is not expected to have much effect on the primary rainy months in the Santa Clarita Valley (December-March).

Overall, climate change is expected to have a more material impact on reference ETo than precipitation. To develop a climate change scenario that represents the land-use analysis' endpoint of 2050 the change factors for 2030 and 2070 were averaged since the midpoint of this period coincided with 2050.

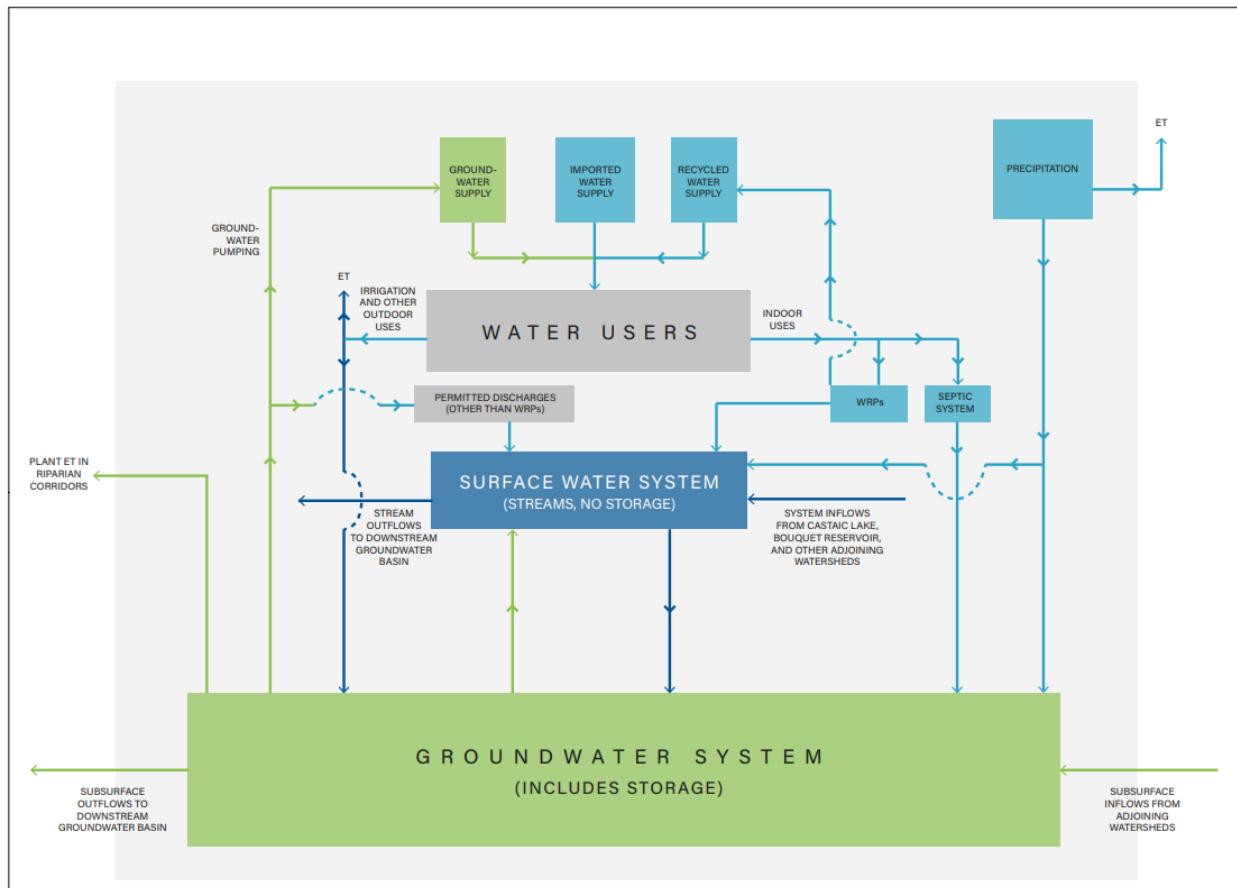
This exercise yielded 12 monthly change factors each for reference ETo and precipitation. The econometric demand model was constructed at a monthly time step and used reference ETo and precipitation to model the impact of weather. These change factors were fed into the demand study's econometric model to forecast what demand would have been in the demand study's base period of 2018 and 2019. The difference worked out to a projected increase of 3.77% in total production. This is lower than the increase in ETo as this increase is only applied to outdoor water use not to interior water use.

This climate change increase in demand is expected to arrive gradually over time, essentially starting with a 0% impact in 2020 rising to 3.77% in 2050. Between these two bracketing years (2020 and 2050) the impact of climate change is layered linearly on to the baseline demand forecast.

Both Groundwater and State Water Project water are impacted by climate change and these impacts are described below.

## Groundwater

As described in Section 6 of the GSP, it incorporates several water balance analyses with three climate conditions, existing conditions, 2030 conditions, and 2070 conditions. These analyses incorporate the changes in ETo and precipitation that are identified above. Section 6 and Appendix I of the GSP documents how various components of water balance analyses interact with changes in ETo and precipitation. As demonstrated in the following diagram these interconnections are relatively complex.



Changes in precipitation impact both surface and groundwater systems. Changes in ETo impact water needed by water users for irrigation as well as water used by Riparian Corridors. At the same time increases in imported supplies have the potential to increase flows to reclamation plants and discharges into surface water and the transfer of surface water to groundwater. The GSP utilized a numeric groundwater flow model (MODFLOW-USG) to account for these interactions and determine if the basin was being operated in a manner that resulted in the chronic lowering of groundwater levels or groundwater storage.

The projected water budgets, in Figures 6.1-9 through 6.1-11 in the GSP, show that the cumulative change curve for groundwater storage may shift slightly downward with climate change, the onset of slightly reduced precipitation and greater ET in the Basin. However, chronic declines in groundwater levels are not projected to occur over long periods, which indicates that SCV Water's operating plan for the Basin is unlikely to cause an overdraft condition in the local groundwater system (i.e., it is unlikely to exceed the basin yield) in the future under the assumed climatic conditions.

## **State Water Project Supplies**

To determine water supplies available from the SWP, SCV Water relies on computer modeling performed by DWR and reported in the DCR. The 2019 DCR was the basis for SWP supplies reported in the 2020 UWMP. While the Draft 2021 DCR became available on December 31, 2021, it did not contain updated information on future SWP water supply availability. In September 2022, the Final 2021 DCR report was released and represents the most appropriate estimate of future SWP availability.

To evaluate SWP supply availability under future conditions, the 2021 DCR included a model study representing hydrologic and sea level rise conditions in the year 2040. The future condition study used all of the same model assumptions as the study under existing conditions, but reflected changes expected to occur from climate change, specifically, projected temperature and precipitation changes centered around 2040 (2026 to 2055) under a higher emissions assumption and more conservative (55 cm) sea level rise. For the long-term planning purposes of this WSV, the long-term average allocations reported for the future conditions study from 2021 DCR is the most appropriate estimate of future SWP water supply availability.

The following text from the 2021 DCR Appendix B: Future Condition with Climate Change and 55 cm Sea Level Rise Scenario, provides a more thorough explanation on development of the 2040 modeling conditions.

The DCR 2021 Future Conditions scenario uses the same climate change hydrology inputs of the Delta Conveyance Project Draft EIR climate change studies. DCP climate change scenario was developed centered around 2040 (2026-2055). The DCP Draft EIR Modeling Appendix summarizes how the climate change projections were developed:

“CalSim 3 meteorologic and hydrologic boundary conditions were updated to represent 2040 climate conditions. The 2040 climate was developed with 20 Coupled Model Intercomparison Project 5 (CMIP5) global climate projections, selected by the California Department of Water Resources (DWR) Climate Change Technical Advisory Group (CCTAG) (DWR CCTAG, 2015). Daily historical Livneh data (Livneh et al., 2016) with adjustments based on the Parameter-elevation Regressions on Independent Slopes Model (PRISM) dataset (Daly et al., 1994), were perturbed using the differences observed in the ensemble of the 20 selected global climate projections.

Historical and perturbed meteorological data were used in the Variable Infiltration Capacity (VIC) model to simulate future surface runoff, baseflow, surface water evaporation, and potential evapotranspiration variables. The differences between simulated historical and projected variables were applied to the historical CalSim 3 boundary conditions to represent 2040 conditions.”

Two Sea Level Rise (SLR) projections were evaluated before establishing the final Future Conditions SLR. Below, we explain how the final Future Conditions SLR was selected between the 1 foot (ft) and 1.5 ft SLR projections. The Ocean Protection Council released the latest Sea-Level Rise Guidance in 2018 (OPC 2018). Table B-1 (OPC 2018) presents the three levels of risk aversion: low, medium-high, and extreme. The DCR 2021 scenarios included SLR projections in between: medium (1ft SLR) and near-high risk (55 centimeter or 1.8 ft SLR) which are summarized in Table B-2. The high emissions, 2040 row (Table B-1) was selected because of the 20-year “project lifespan” of DCR Future Conditions scenarios. The 1.0 ft SLR has a 1-in-20 chance or 5% exceedance probability while the 55 cm (1.8 ft) SLR has far less than the 0.5% exceedance probability of the 1.3 ft (Table B-1).

**Table B-1. Projected SLR (ft) for San Francisco (OPC 2018)**

		<i>Probabilistic Projections (in feet) (based on Kopp et al. 2014)</i>			
		<b>MEDIAN</b>	<b>LIKELY RANGE</b>	<b>1-IN-20 CHANCE</b>	<b>1-IN-200 CHANCE</b>
		<i>50% probability sea-level rise meets or exceeds...</i>	<i>66% probability sea-level rise is between...</i>	<i>5% probability sea-level rise meets or exceeds...</i>	<i>0.5% probability sea-level rise meets or exceeds...</i>
				<b>Low Risk Aversion</b>	<b>Medium - High Risk Aversion</b>
High emissions	2030	0.4	0.3 - 0.5	0.6	0.8
	2040	0.6	0.5 - 0.8	1.0	1.3

**Table B-2. DCR 2019 Preliminary Future Conditions (1 ft and 1.5 ft SLR projections for High Emissions, 2040)**

Aversion projection (High emissions, 2040)	SLR (ft) projection
Low risk	0.8
<b>Medium risk (DCR 19 1 ft SLR)</b>	<b>1.0</b>
Medium-high risk	1.3
<b>High risk (DCR 19 1.5 ft SLR)</b>	<b>1.476</b>
Extreme risk	1.8

The 1.8 ft SLR Future Conditions scenario was chosen in the 2021 DCR.

The 2021 DCR further provides annual water allocation for the period from 1922 through 2015. The model results in the 2021 DCR reflect a reduction in average SWP water supplies for 2020 conditions of 56% to future conditions average reliability of 52%. As discussed in Section 3.2.7 supply values between 2020 and 2040 are interpolated between these values and supplies beyond 2040 are assumed to be the same as 2040. The 2021 DCR also estimates the single dry year reliability to be 6%. Further the climate adjusted annual water allocation information for 2040 was used in SCV Water’s 2020 Updated Water Reliability Report. DWR continues to study and evaluate the approaches of how best to project future impacts from climate change. SCV Water is engaged in this process and is monitoring for any new information that may need to be incorporated in its water supply reliability planning efforts. This WSV includes the most current projection information relating to climate change.

### 4.9 Pending Water Use Efficiency

Recognizing the water supply challenges that California faces moving forward, in 2018, two policy bills were enacted by the California Legislature, Assembly Bill 1668 (AB1668, Friedman) and Senate Bill 606 (SB606, Hertzberg). Provisions of this legislation provide for the setting of long-term water efficient standards for 1) indoor residential use, 2) outdoor residential use, 3) outdoor irrigation used from dedicated irrigation meters and equivalent for large commercial, industrial, and institutional (CII-DIM) use, 4) water loss, 5) certain variances and incentives for potable reuse. Further, water users will be required to establish



urban water use objectives no later than January 1, 2024, incorporating these standards. On September 28, 2022, the indoor water use standards were finalized through the enactment of SB 1157 (SB 1157, Hertzberg). It recommends the current standards be adjusted as indicated in the following Table 4-4. The standards for outdoor irrigation use are still under development.

**TABLE 4-4  
RECOMMENDED INDOOR WATER USE STANDARDS**

Year	Current Standard (GCPD)	Recommended Standard (GCPD)
2020	55	55
2025	52.5	47
2030	50	42

As interior water use is the source of future recycled water, this has implications regarding availability of this water source. As previously discussed in Section 3, SCV Water intends to develop recycled water supplies from new development. As detailed in the Maddaus Water Demand Study, it was assumed interior water use of 50 gcpd. The recommended standard represents a 16% reduction in the availability of new recycled water supplies or from 8,511 to 7,149 AFY, a potential reduction of 1,362 AFY or about 1% of total future water supply. When added to the existing 450 AFY this totals 7,599 AFY of total recycled water.

On the other hand, provisions of the legislation concerning irrigation water use efficiency will likely offset this potential reduction in supply. Under the legislation, DWR is currently conducting studies and will make recommendations to the SWRCB regarding outdoor water use and variances and incentives and the SWRCB shall adopt standards in the future. The legislation specifically calls for outdoor water use standards to incorporate the principles of the MWELo (Model Water Efficient Landscape Ordinance). This will have implications for both existing and future water users.

Regarding future water users, the 2020 UWMP based future outdoor water use on MWELo plus an overwatering factor. As noted in Appendix F of the 2020 UWMP, exterior water demands for future development are based on 2015 MWELo plus 25.6% overwatering factor. This increase in exterior water use was based on a technical study that compared actual irrigation demand from properties developed after 2015 MWELo took effect. (2020 UWMP Appendix F – Population and Demand Technical Memorandum, Maddaus, April 2021 Appendix F – Residential and Non-Residential outdoor Water Use Study pg. 11). Overall water demand attributed to new users is approximately 30 TAF and 60% of which is for outdoor water. Thus, assuming SCV Water adopts measures and or regulations that require future customers to meet MWELo requirements, water demands would be reduced by approximately 3,800 AFY. This more than offsets the reduction in supply of 1,362 AFY.

Determining the application of the MWELo principles relating to existing customers outdoor water use will be more complex. This involves producing credible data to determine landscape area while accounting for the age of existing installations and their inherent limits of design efficiency, along with a number of other factors. A draft report has been released to the stakeholders for comments but at this time DWR has not produced its report on outdoor water efficiency standards. SCV Staff following this process anticipate application of expected standards will likely require further reductions in outdoor water use.

Thus, while changes in efficient water use requirements may result in the shifting of the resource mix used to achieve water reliability standards, it does not appear that such changes would result in a less reliable water supply portfolio. Refinement of water use efficiency standards and the implied reductions in demand

will be forth coming, however, until a more thorough analysis can be conducted, it is reasonable and likely conservative to use the assumptions in the 2020 UWMP for conservation and recycled water.

## 4.10 Water Supply Reliability Modeling

SCV Water’s strategy for achieving water supply reliability has involved the development of a diverse water supply portfolio that can accommodate the variability of wet and dry periods endemic to California’s climate. The variability in SWP supplies has the largest effect on overall supply reliability. In any given year, SWP supplies may be reduced due to dry weather conditions or regulatory factors. During such an occurrence, the remaining water demands in the SCV Water service area would be met by SCV Water’s diverse alternate water supplies. The alternate supplies that would make up for any reductions in SWP supplies include a combination of supplies, such as return water from SCV Water’s water storage accounts in the Semitropic Groundwater Storage Bank and the Rosedale Rio Bravo Water Banking and Exchange Program, deliveries from SCV Water’s flexible storage account in Castaic Lake Reservoir, local groundwater pumping from the Saugus Formation, short -term water exchanges, and participation in DWR’s dry year water purchase programs, among other sources. The diversity of such alternative supplies adds to the reliability because factors that may impact one supply source, such as drought, may not directly impact- other sources, such as banked water.

The available water supplies and demands for SCV Water’s service area were analyzed in the 2020 UWMP to assess the region’s ability to satisfy demands during the following variable periods: (1) an average water year; (2) a single dry year; and (3) multiple dry years. The 2020 UWMP summary tables demonstrate that existing and planned supplies are available and sufficient to meet existing and projected demand under all such conditions for the projected planning period through 2050. The analysis also accounts for the water needed to serve the Project because SCV Water included the Project demand in SCV Water’s current and projected water deliveries data provided as part of the adopted 2020 UWMP. Furthermore, the 2020 UWMP concludes that SCV Water’s current and proposed groundwater supplies from the Alluvial Aquifer and the Saugus Formation are sustainable, and that current and future pumping levels, when combined with non-purveyor pumping, for average year, single-dry year, and multiple-dry years, remain within the basin yield.<sup>20</sup>

In addition to the above-mentioned UWMP reliability assessment, SCV Water periodically updates its Water Supply Reliability Plan (Plan) to identify current and future storage capacity and emergency storage needs and options for managing its water supplies. The 2019 Water Supply Reliability Plan Update (Geosyntec 2021) is the most current Plan.

This Plan evaluates six supply scenarios driven by varying assumptions regarding projected local supply availability and reliability, with each supply scenario evaluated against two demand sets (projected demands with and without active conservation).

The Plan uses an analytic spreadsheet model developed for SCV Water by MBK Engineers and updated by Geosyntec Consultants in 2021 to assess the reliability of SCV Water’s water supplies. The model performs annual water operations for the SCV Water service area over a specified study period (2021 through 2060), using projected increases in demands to reflect the uncertainty in the hydrology over this period, using supplies that would be available under multiple hydrologic sequences. For each hydrologic sequence, the model steps through each year of the study period, comparing annual supplies to demands and operating SCV Water storage programs as needed, adding to storage in years when supplies exceed demand, and withdrawing from storage when demand exceeds supplies. Results from the multiple hydrologic sequences are then compiled and summarized to provide a statistical assessment of the

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<sup>20</sup> 2020 UWMP, p. 7-2.

reliability of SCV Water's supplies and storage programs to meet its projected demands over the study period.

In addition to the hydrologic reliability of the Santa Clarita Valley's overall water supply, the Plan also discusses the physical reliability of the water delivery system in place to deliver its groundwater, imported water, and recycled water supplies. Deliveries of these supplies are dependent on an extensive network of SWP facilities used to pump, store, and convey SWP and other imported supplies, and SCV Water and purveyor facilities to treat, pump, and distribute supplies. Supply delivery can be interrupted or constrained in a number of ways, and the Plan includes an assessment of the ability to meet demands during an extended 12-month outage.

For this Plan update, the study period analyzed is 2021 through 2060 (which is 10 years after the assumed development buildout in the SCV Water's service area assumed in the 2020 Urban Water Management Plan (UWMP)). The analysis starts with a Base Scenario and evaluates five additional scenarios, with and without active conservation. This analysis builds on information contained in the 2019 DWR DCR as it incorporates 2040 climate change conditions discussed above in this Section and uses the same hydrologic sequence from the CALSIM 2 model. A further description of the model and the scenarios are contained in Section 7.45 of the 2020 UWMP and the 2019 Plan.

The reliability analysis conducted in the Plan is more rigorous and conservative than that contained in the 2020 UWMP. The Plan models the operation of SCV Water's supply portfolio through the full 82-year historical hydrologic period and incorporates projected storage balances when determining the quantity of water available from a banking program to meet water demands during dry periods. Further, while UWMP Section 5.2 incorporated a gradual decline in SWP reliability between 2020 and 2040 due to climate change, the Plan's modeling is based on SWP hydrology adjusted to reflect 2040 climate change, being applied to all years in the study period.

These scenarios represent 12 different views of future supply situations. Each supply scenario is evaluated in the Plan to determine the reliability of that scenario in meeting projected demands in SCV Water's service area. The reliability for all future scenarios (1 through 5) is greater than 95 percent.

The Plan analyzed various scenarios, which analyses can be used to answer several questions including:

1. How long current facilities can be relied upon to achieve reliability?
2. If the mix of existing and proposed facilities in the UWMP achieved reliability through 2050?
3. If certain future facilities were not constructed, (specifically some or all of the new Saugus Formation wells were either not constructed or otherwise unavailable) would alternative programs that SCV Water is investigating be able to achieve reliability?
4. A summary of the scenarios studied are shown in Table 4-5.

**TABLE 4-5  
VARIOUS SCV WATER SUPPLY SCENARIOS**

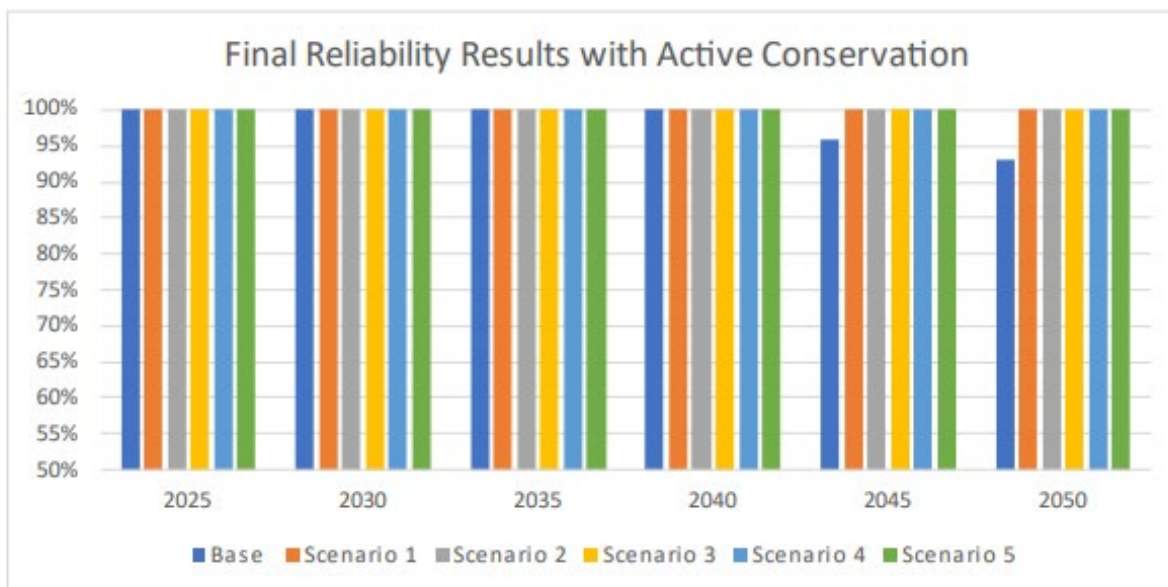
	<b>Base</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Alluvial Pumping	✓	✓	✓	✓	✓	✓
Existing Saugus	✓	✓	✓	✓	✓	✓
SWP and BVRRB	✓	✓	✓	✓	✓	✓
Existing Banking Programs	✓	✓	✓	✓	✓	✓
Saugus Wells 3 and 4		✓	✓	✓		
Saugus Wells 5 - 8		✓				
New Rosedale Bank Capacity		✓	✓	✓	✓	
Sites Reservoir				✓	✓	✓
AVEK High Desert Bank			✓		✓	✓
McMullin GSA Aquaterra Bank						✓

The Base represents those elements of the SCV Water’s portfolio that currently exist. This includes existing and restored groundwater supplies. As the analysis moves through the study period restoration of well capacity temporarily taken out for water quality concerns takes place consistent with Table 4-6B, Table 4-6C, Table 4-8B, and Table 4-8C in the 2020 UWMP. Imported supplies include SWP supplies based on 2040 climate conditions pursuant to DWR’s CALSIM modeling for the 2019 Delivery Capability Report, the firm Buena Vista Rosedale Transfer, and if necessary, in dry years, SWP Flexible Storage, Nickel Water (after 2035), Yuba Accord water. The Base case also includes the existing banking programs, specifically existing Rosedale Banking supplies at the existing 10,000 AFY of recovery, SCV Water Semitropic and access to the Newhall Land and Farming withdrawal capacity (after 2035), that are drawn on during years when the other previously mentioned supplies are insufficient to meet demands.

Scenario 1 adds Saugus Formation wells 3-8 and 10,000 AFY of additional extraction capacity from the Rosedale Banking Program as provided for in the 2020 UWMP.

Scenarios 2-5 were designed to analyze if in the event of the removal of some or all future Saugus Formation Wells (and in one case the expansion of the Rosedale Bank) could reliability be achieved through other programs that SCV Water is considering participating in, specifically Sites Reservoir, AVEK’s High Desert Bank and the McMullin’s Aquaterra Water Bank. Figure 4-3 summarizes the modeling results.

**FIGURE 4-3  
FINAL RELIABILITY RESULTS WITH ACTIVE CONSERVATION**



With respect to the first question above, the analysis shows that current supplies (including recovered groundwater capacity) along with active conservation will be sufficient through at least 2040.

Regarding the second question, to achieve reliability in subsequent years, additional investments in those programs and facilities identified in the UWMP (Scenarios 1) would be sufficient to achieve reliability through 2050.

As to the third question, Scenarios 2-5 demonstrate that alternative programs to those contained in the UWMP could offer different paths to achieve reliability or if implemented in addition to the UWMP could provide additional supplies in excess of demand.

**Conclusions**

As discussed above, the analysis contained in the Plan represents a more robust and conservative analysis than that contained in the 2020 UWMP. Nevertheless, the conclusions related to the ability of SCV Water to reliably meet water demands are consistent. If SCV Water continues to implement active water conservation measures, conjunctively use its imported water, groundwater, and water banking facilities, and invests in future water supply facilities as identified in the 2020 UWMP it will reliably meet water demands in its service area through 2050. The ability to implement other alternative water supply programs identified in the Plan’s analysis bolsters this conclusion as alternatives exist should some of the future water supplies identified in the 2020 UWMP become unattainable.

**4.11 Water Conservation and Water Shortage Contingency Planning**

Water supplies may be interrupted or reduced due to a number of factors, such as a drought which limits supplies, an earthquake which damages water delivery or storage facilities, a regional power outage, or a toxic spill that affects water quality. The 2020 UWMP describes in detail how SCV Water is responding to such water supply outages, reductions, and other emergencies so that customer needs are met adequately, promptly, and equitably. With the completion of the 2020 UWMP, SCV Water also completed

a comprehensive Water Shortage Contingency Plan that outlines the states of action SCV Water will take depending on the severity of a particular shortage for each supply source available to SCV Water. In addition, prohibitions, penalties, and financial impacts of shortages have been developed by SCV Water and are summarized in both the 2020 UWMP and 2020 Water Shortage Contingency Plan.

In preparing this WSV, SCV Water considered the urban water shortage contingency planning analysis set forth in the 2020 UWMP and 2020 Water Shortage Contingency Plan in determining the sufficiency of water supplies for the proposed Project, in addition to all existing and planned future uses in SCV Water's service area within the Santa Clarita Valley. These documents also explain how SCV Water's reliability planning provisions of these adopted documents assist SCV Water in responding to drought conditions, including the severe drought conditions that currently exist.

## **Section 5: Water Supply Verification**

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The analyses presented in the following tables verify the availability of water supply for the Project, in addition to all existing and planned future uses in the SCV Water service area over a 20-year horizon in average/normal years, a single dry-year, and in multiple-dry years, in addition to existing and planned future uses (including agricultural, manufacturing, and industrial uses) throughout the entire Santa Clarita Valley.

### **5.1 Water System Operations and Reliability Planning**

As discussed herein, SCV Water has implemented a number of projects that are part of an overall program to provide the facilities needed to ensure reliable imported and local water supplies during dry years. The program involves water conservation, surface and groundwater storage, water transfers and exchanges, water recycling, additional short-term pumping from the Saugus Formation, and increasing SCV Water's imported supply. This overall strategy is designed to meet increasing water demands while assuring a reasonable degree of supply reliability. Part of the overall water supply strategy is to provide a blend of groundwater and imported water to area residents to ensure consistent quality and reliability of service. The actual blend of imported water and groundwater in any given year and location in the Santa Clarita Valley is an operational decision and varies over time due to source availability and operational capacity SCV Water's facilities. The goal is to conjunctively use available water resources so that the overall reliability of water supply is maximized while utilizing local groundwater at a sustainable rate.

The available water supplies and demands for SCV Water's service area were analyzed in the 2020 UWMP to assess the region's ability to satisfy demands during the following variable periods: (1) an average water year; (2) single-dry year; and (3) multiple-dry years, which included an assessment of a five-year dry period. The supply and demand comparison tables 5-2, 5-3, and 5-4 (shown in Sections 5.1.1 to 5.1.4 below) demonstrate that existing and planned supplies are available to meet existing and projected demand under all such conditions for the projected planning period through 2050. These tables are consistent with the 7-2, 7-3 and 7-4 in the UWMP with the exception that Table 5.2 reflects updated SWP Table A Amounts consistent with the DWR's 2021 Final DCR and Planned Future and Recovered Groundwater supplies reflect the adjusted planning, construction and planning schedules as discussed in Section 3.3.2.3 Available Groundwater Supplies.

While many of the Santa Clarita Valley's available supply sources have some variability, the variability in SWP supplies has the largest effect on overall supply reliability. In any given year, SWP supplies may be reduced due to dry weather conditions, regulatory restrictions, or other factors. As discussed above, during such an occurrence, the remaining water demands in the SCV Water's service area are planned to be met by a combination of alternate supplies such as return water from SCV Water's accounts in the Semitropic Groundwater Storage Program and the Rosedale–Rio Bravo Water Banking and Exchange Program, deliveries from SCV Water's flexible storage account in Castaic Lake Reservoir, local groundwater pumping, short-term water exchanges, and participation in DWR's dry-year water purchase programs.

As stated in the 2020 UWMP, water supply reliability for SCV Water has improved significantly with the development of conjunctive use and groundwater banking. Conjunctive use is the coordinated operation of multiple water supplies to achieve improved supply reliability. During dry periods, or when imported water supply availability is reduced, banked water can be recovered from groundwater storage to replace, or firm up, the imported water supply deliveries. SCV Water has been conjunctively utilizing local groundwater and imported water since SWP water was imported to the Santa Clarita Valley beginning in

1980. SWP and other imported water supplies have supplemented the overall supply of the Santa Clarita Valley, which previously depended solely on local groundwater supplies.

Drought periods may affect available water supplies in any single year and even for a duration that spans multiple consecutive years. Hydrologic conditions vary from region to region throughout the state. Dry conditions in northern California affecting SWP supply may not affect local groundwater and other supplies in southern California, and the reverse situation can also occur (as it did in 2002 and 2003). For this reason, SCV Water has emphasized developing a water supply portfolio that is diverse, especially in dry years. Diversity of supply is considered a key element of reliability planning, giving SCV Water the ability to draw on multiple sources of supply to ensure reliable service during dry years, as well as during average wet years.<sup>21</sup>

### **5.1.1 Impacts on Water Availability for Agricultural & Industrial Uses**

SCV Water’s provision of water to the Project will not affect the availability of water resources for agricultural or industrial uses within SCV Water’s service area due to the overall sufficiency of SCV Water’s water supplies to serve the projected demands of the proposed Project in addition to SCV Water’s other existing and planned future uses, including agricultural and industrial uses.

Provided below is a summary of historical water supplies used by SCV Water (Table 5-1) along with updates to water supply projections (Tables 5-2, 5-3 & 5-4) originally presented in the 2020 UWMP that also address certain information required under SB 221 for the proposed Project.

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<sup>21</sup> 2020 Santa Clarita Valley Water Report (June 2021).



TABLE 5-1  
SCV WATER HISTORICAL SOURCES OF SUPPLY (AFY)

SOURCE	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Alluvial Aquifer	19,397	18,970	26,368	27,189	25,632	27,919	24,396	25,984	26,186	25,593	21,431	24,683	19,333	15,244	9,424	14,030	9,049	7,571	14,068	14,514
Saugus Aquifer	3,581	5,701	5,948	5,872	6,058	5,965	6,704	8,811	7,568	8,133	8,348	9,829	10,560	11,085	6,979	8,839	8,498	9,761	11,865	9,535
<b>Total Groundwater</b>	<b>22,978</b>	<b>24,671</b>	<b>32,316</b>	<b>33,061</b>	<b>31,690</b>	<b>33,884</b>	<b>31,100</b>	<b>34,795</b>	<b>33,774</b>	<b>33,726</b>	<b>29,779</b>	<b>34,612</b>	<b>29,893</b>	<b>26,329</b>	<b>16,403</b>	<b>22,869</b>	<b>17,547</b>	<b>17,332</b>	<b>25,933</b>	<b>24,049</b>
Recycled Water	50	420	418	419	470	311	328	336	373	428	400	474	450	507	501	352	458	468	480	342
SWP Table A Allocation (%)	90%	65%	90%	100%	60%	35%	40%	50%	80%	65%	35%	5%	20%	60%	85%	35%	75%	20%	5%	5%
State Water Project Table A	39,126	42,582	34,303	36,716	30,703	18,710	9,777	-	10,713	24,657	4,692	451	11,075	29,647	32,422	12,411	37,503	11,551	1,081	285
Carryover	4,760	3,263	2,702	3,905	4,216	12,146	14,610	28,303	9,332	11,496	28,434	7,743	4,121	2,241	15,490	24,424	3,608	3,036	6,526	1,799
Article 21	991	1,618	-	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	-	-
Turnback Pool Water	90	-	-	-	-	-	52	295	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	1,022	1,658	-	-	-	-	445	-	-	-	-	-	284	1,170	748
Other DWR coordinated transfers	-	-	-	-	-	-	-	-	-	-	-	34	-	-	-	-	-	-	194	13
Flex Storage Withdrawals	-	-	-	-	-	-	-	-	-	-	-	4,424	-	-	-	-	-	-	1,966	1,933
<b>SWP Deliveries to SCV Water Service Area<sup>(a)</sup></b>	<b>44,967</b>	<b>47,463</b>	<b>37,005</b>	<b>40,621</b>	<b>34,919</b>	<b>31,878</b>	<b>26,097</b>	<b>28,598</b>	<b>20,445</b>	<b>36,153</b>	<b>33,126</b>	<b>13,097</b>	<b>15,196</b>	<b>31,888</b>	<b>47,912</b>	<b>36,835</b>	<b>41,111</b>	<b>14,871</b>	<b>10,937</b>	<b>4,778</b>
RRBWSB Banking	-	-	20,000	20,000	8,200	-	-	21,256	1,006	6,031	-	-	-	-	-	-	-	-	-	-
Semitropic WSD Banking	32,522	-	-	-	-	-	-	-	-	-	-	-	-	-	5,340	-	5,002	-	-	-
Rosedale Exchange Program	-	-	-	-	-	-	-	-	15,602	3,969	-	-	-	-	-	-	11,000	-	-	-
WKWD Exchange Program	-	-	-	-	-	-	-	-	5,000	-	-	-	-	-	-	-	-	-	-	-
CCWA Exchange Program	-	-	-	-	-	-	-	-	-	-	-	-	-	1,500	-	-	-	-	-	-
AVEK Exchange Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,500	-	-	-
UWCD Exchange Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,000	-	-	-
Flex Storage Refill	-	-	-	-	-	-	-	-	-	-	-	-	4,339	-	85	-	-	-	1,966	1,933
Back up San Luis Storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,680	4,980
<b>SWP Deliveries to Out of Service Area<sup>(a)</sup></b>	<b>32,522</b>	<b>-</b>	<b>20,000</b>	<b>20,000</b>	<b>8,200</b>	<b>-</b>	<b>-</b>	<b>21,256</b>	<b>21,608</b>	<b>10,000</b>	<b>-</b>	<b>-</b>	<b>4,339</b>	<b>1,500</b>	<b>5,425</b>	<b>-</b>	<b>24,502</b>	<b>-</b>	<b>5,646</b>	<b>6,913</b>
RRBWSB Banking	-	-	-	-	-	-	-	-	-	-	-	2,824	2,998	-	-	-	-	1,600	16,323	19,367
Semitropic WSD Banking	-	-	-	-	-	-	1,650	3,300	-	-	-	-	-	-	-	-	-	5,000	5,000	5,000
Rosedale Exchange Program	-	-	-	-	-	-	-	-	-	3,969	-	-	-	-	-	-	-	14,451	-	-
WKWD Exchange Program	-	-	-	-	-	-	-	-	-	-	2,000	-	-	-	-	-	-	500	-	-
CCWD Exchange Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	750	-	-	-
NLF Semitropic Banking	-	-	-	-	-	-	-	-	-	-	4,950	-	-	-	-	-	-	-	-	-
AVEK Exchange Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,406	-	-
UWCD Exchange Program	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Withdrawals from Out-of-Service Area<sup>(a)</sup></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,650</b>	<b>3,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9,774</b>	<b>2,998</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>750</b>	<b>22,957</b>	<b>21,323</b>	<b>24,367</b>
<b>Other Imported Deliveries to SCV Water Service Area<sup>(a)(d)</sup></b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11,000</b>	<b>11,000</b>	<b>11,000</b>	<b>11,000</b>	<b>11,000</b>	<b>0</b>	<b>0</b>	<b>11,000</b>	<b>10,995</b>	<b>0</b>	<b>0</b>	<b>6,000</b>	<b>1,100</b>	<b>11,000</b>	<b>9,685</b>	<b>9,173</b>
Other Imported Deliveries to Out-of-Service Area <sup>(d)</sup> or Water Storage/Exchange <sup>(e)</sup> or Water Sale	10,769	3,776	2,451	24,089	6,071	-	-	11,768	2,188	19,569	28,629	-	-	11,000	11,370	5,062	10,282	-	1,315	2,634
<b>Total Imported Supplies to SCV Water Service Area</b>	<b>44,967</b>	<b>47,463</b>	<b>37,005</b>	<b>40,621</b>	<b>45,919</b>	<b>42,878</b>	<b>38,747</b>	<b>42,898</b>	<b>31,445</b>	<b>36,153</b>	<b>33,126</b>	<b>33,871</b>	<b>29,189</b>	<b>31,888</b>	<b>47,912</b>	<b>42,835</b>	<b>42,961</b>	<b>48,828</b>	<b>41,945</b>	<b>38,318</b>
<b>Total Local and Imported Supplies Utilized in SCV Water Service Area</b>	<b>67,995</b>	<b>72,554</b>	<b>69,739</b>	<b>74,101</b>	<b>78,079</b>	<b>77,073</b>	<b>70,175</b>	<b>78,029</b>	<b>65,592</b>	<b>70,307</b>	<b>63,305</b>	<b>68,957</b>	<b>59,532</b>	<b>58,724</b>	<b>64,816</b>	<b>66,056</b>	<b>60,966</b>	<b>66,628</b>	<b>68,358</b>	<b>62,709</b>
End of the year carryover supply (left over table A and carryover noted in text)	3,263	15,522	31,377	38,484	12,146	14,610	28,303	26,186	41,651	48,809	21,482	18,048	21,899	51,571	42,788	39,211	9,013	13,466	8,750	9,433

Sources: DWR Bulletin 132, Management of the California State Water Project; and DWR delivery files.

Notes:

- (a) Includes deliveries of Table A supplies, carryover water, Article 21 water, Turnback Pool water, local supply (from West Branch reservoirs), Yuba Accord water and water purchased through DWR.
- (b) Out-of-service area storage includes flexible storage refill in Castaic Lake, the SCV Water Semitropic Banking Program, NLF Semitropic Banking Program and the Rosedale-Rio Bravo Banking Program. Exchanges include programs with the Rosedale-Rio Bravo, West Kern Water District, Central Coast Water Agency, Antelope Valley East Kern, and United Water Conservation District.
- (c) Deliveries from Buena Vista.
- (d) Includes BVRRB water sales and deliveries to Devils Den service area. Also includes BVRRB deliveries to banking programs and exchanges, or San Luis backup storage.

## **5.1.2 Historical Operations of Santa Clarita Valley Water System**

A review of the period from 2003 through 2022 is provided in Table 5.1. This table illustrates the previous discussion in this section.

2011 was characterized as a wet year resulting in a high SWP Table A allocation of 80%. With wet conditions and surplus Table A water, SCV Water executed two 2:1 exchange programs totaling 20,602 AF and delivered 1,006 AF of water to be stored in the RRBWSD banking program in order to utilize as much water as possible for future years. Excess Table A and carryover supplies not utilized totaled 41,651 AF to be available as carryover in 2012.

2012 was characterized by an increase in water use attributed to unseasonably high temperatures and below normal rainfall in early 2012 resulting in a longer irrigation season. The water year ended up with average precipitation which resulted in a SWP Table A allocation of 65%. SCV Water started the year with 41,651 AF of Article 56 Carryover supply, of which 30,155 AF was reclassified due to reservoir levels filling up. With surplus water, SCV Water sold 16,500 AF of BVRRB water (annual supply plus banked supply) to West Kern County Agriculture Water Districts, banked 6,301 AF into RRBWSD banking program and further exchanged 3,969 AF in the RRBWSD 2:1 exchange program. SCV Water used 11,496 AF of carryover and ended the year with 2013 carryover supplies totaling 48,809 AF.

2013 was characterized by unseasonably high temperatures and below normal rainfall resulting in a lower SWP Table A allocation of 35%. Use within the SCV Water service area grew rapidly in 2013 with 5% increased demands and 750 new service connections added. Imported carryover and Table A water were utilized to meet imported demands. 28,000 AF of supplies were sold to other agencies to bring in revenue and reduce the chance to lose excess supplies. Even with previous years carryover water being reclassified due to wet hydrology, SCV Water was able to reserve 21,482 AF unused Table A into carryover for the start of 2014 in preparation of continued or worsening drought conditions.

2014 was characterized by extremely dry conditions locally and statewide resulting in a historically low SWP Table A allocation of 5%. To meet dry year imported demands SCV Water utilized 7,743 AF of carryover supplies, recovered 9,774 AF from banking and exchange programs, withdrew 4,424 AF from Castaic Flexible Storage, and received 445 AF from Yuba County Accord Water. In addition, state mandated conservation program regulations helped drive water demands down reserving 18,048 AF of unused carryover and Table A supplies for 2015 if drought conditions persisted.

2015 was characterized by a fourth year of drought with record high temperatures, record low precipitation and record low snowpack. 2015 was recorded as one of the driest and warmest winters since 1950 resulting in a SWP Table A allocation of 20%. In 2015 SCV Water entered into an agreement with Semitropic to participate in the Stored Water Recovery Unit (SWRU) as an additional source of dry-year water supply. SCV Water utilized Table A supply, carryover supply, BVRRB supply and recovered 2,998 AF from the RRB water banking program to meet imported demands. 4,339 AF of unused Table A supply

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were backfilled to the flexible storage account utilized in 2014. 2015 total unused carryover and Table A supplies available for 2016 totaled 21,892 AF.

2016 was characterized by average precipitation in northern California, an improvement to the previous four years of drought with enough precipitation to offset some of the large deficits in water storage reservoirs resulting in a SWP Table A allocation of 60%. SCV Water saw demands increase in 2016 from the easing of SWRCB emergency water conservation measures shifting from mandatory to voluntary. Imported demands were met with minimal carryover and Table A supplies. SCV Water exchanged 1,500 AF of Table A water and stored 5,060 AF of BVERRB water into the Rosedale banking program. The remaining BVERRB supply was stored in San Luis reservoir and added to 2017 carryover supplies which totaled 51,571 AF at the end of the year.

2017 was characterized by the second largest statewide runoff and the end of the state's 5-year drought. The 2017 snow water equivalent came in at 163% of April 1<sup>st</sup> average resulting in a large SWP Table A allocation of 85%. Of the 51,571 AF of carryover storage available in 2017, 15,490 AF was delivered to SCV Water service area and the rest was reclassified due to the wet hydrology. With surplus Table A SCV Water backfilled the remaining 85 AF to the Castaic flexible storage account and maximized deliveries to banking programs totaling 5,340 AF (storage space only available in Semitropic SWRU, RRBWSD program full). With plenty of Table A and carryover supplies, SCV Water sold BVERRB water supply to Kern County Westside Districts. Remaining Table A supplies totaled 42,788 in carryover for 2018.

2018 was characterized by dry conditions returning statewide with nearly all the state experiencing below-average precipitation and SCV Water receiving less than half its average annual precipitation. This resulted in a lower than average SWP Table A allocation of 35%. Imported demands were met with carryover and Table A supplies, with the remaining supplies being carried over into 2019 totaling 39,211 AF.

2019 was characterized by above average precipitation locally and statewide resulting in somewhat lower demands and an above average SWP Table A allocation of 75%. SCV Water started the year with 39,221 AF of Article 56 Carryover supply which 3,608 AF was delivered, and the remaining 35,603 AF was lost as a result of wet hydrology. The high allocation allowed SCV Water to reduce local pumping of groundwater to maintain sustainable groundwater resources in dry-year and increase imported Table A deliveries to the service area. In addition, SCV Water executed three different 2:1 water exchanges with other State Water Contractors totaling 19,500 AF and delivered 5,000 AF to Semitropic SWRU banking reserves. Remaining unused Table A water was categorized as 2020 carryover supply totaling 9,013 AF.

2020 was characterized by below average precipitation locally and statewide resulting in higher water demands and a low SWP Table A allocation of 20%. SCV Water also faced an increased demand for imported water supplies due to significant loss of local groundwater wells impacted by updated regulations related to PFAS (Per and Polyfluoroalkyl Substances). Increased imported demands were met utilizing banking, exchanges, and transfer programs. The completion of the Drought Replacement Wells in 2019 at the Rosedale-Rio Bravo Water Banking Program (RRBWBP) increased recovery capacity from 3,000 AFY in 2014 and SCV Water was able to recover 16,501 AF from the RRB Banking and Exchange programs. An additional 5,000 AF was recovered from the Semitropic SWRU and 1,406 AF from exchange programs. SCV Water utilized 3,036 AF of 2020 carryover supplies, conserving unused carryover and Table A supplies for 2021 carryover which totaled 13,466 AF.

2021 was characterized as an extreme water year in terms of precipitation and temperature and ended up as California's second driest year on record based on statewide runoff resulting in a second lowest SWP Table A allocation of 5%. Santa Clarita experienced its driest water year on record, only receiving 3.38 inches of precipitation all year. SCV Water continued to be impacted by loss of local groundwater wells related to PFAS, but successfully completed combined treatment facilities for three major alluvial wells

which came online in 2021 adding critically needed water to local supplies to meet demands. In addition to maximizing groundwater production, SCV Water recovered about 25,000 AF of water from imported banking programs, 1,364 AF from dry year transfer programs, and utilized 1,966 AF from the Castaic flexible storage account to meet imported demands. Statewide calls for voluntary and mandatory conservation began and in November 2022 SCV Water enacted Stage 1 of the Water Shortage Contingency Plan (WSCP). In preparation of continued drought conditions, only 6,523 AF of carryover supplies were used, the Castaic flexible storage account was refilled, and excess banking, transfer water and Table A supplies not needed to meet demands were reserved as carryover for 2022, totaling 13,633 AF.

2022 was characterized as a third consecutive drought year. In March 2022, the Governor issued an emergency order mandating the adoption of Stage 2 WSCP which the Agency executed in April 2022. Overall, the state received about 76% of average precipitation but could not recover from the impacts resulting from the overall lack of 2021 hydrology. Though the water year started out with record setting precipitation, conditions shifted drastically with the driest January through April experienced on record, dating back to 1895. Santa Clarita ended the water year with 15 inches of precipitation, of which 11.8 inches came in the month of December. The final SWP allocation was 5% marking the third year DWR ever issued the lowest allocation and the first consecutive 5% allocation since first issued in 2014. In addition, some SWP Contractors were issued emergency allocations for Human Health and Safety, this was not needed as SCV Water had adequate reserves available. SCV Water maximized groundwater supplies as available, while still critically impacted by loss of wells related to PFAS. SCV Water recovered approximately 25,000 AF of water from imported banking programs, 11,000 AF from BVRRB, 750 AF from dry year transfer programs, and utilized 1,933 AF from flexible storage accounts to meet imported demands. In preparation of continued drought conditions, only 1,799 AF of carryover supplies were used, the Castaic flexible storage account was refilled, and excess banking and transfer water was reserved as carryover and backed up supplies for 2023, totaling 17,050 AF.

### **5.1.3 Average/Normal Year Supplies and Demand Comparison**

Table 5-2 summarizes the supplies available to meet demands over the 30-year planning period during an average/normal year. As presented in the table, the water supply is broken down into existing and planned water supply sources, including wholesale (imported) water, local supplies, and banking programs. The demands shown include reductions from projected passive conservation savings, and both with and without active conservation savings. Future demands include that of the Project.

**TABLE 5-2  
JUNE 2023 ADJUSTMENTS TO 2020 UWMP TABLE 7-2**

<b>Projected Normal Year Supplies and Demands (AF)</b>						
	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
<b>Existing Supplies</b>						
Existing Groundwater <sup>(a)</sup>						
Alluvial Aquifer <sup>(o)</sup>	7,340	7,870	6,990	6,990	6,990	6,990
Saugus Formation <sup>(o)</sup>	12,940	7,110	7,110	7,110	7,110	7,110
<b>Total Groundwater</b>	<b>20,280</b>	<b>14,980</b>	<b>14,100</b>	<b>14,100</b>	<b>14,100</b>	<b>14,100</b>
Recycled Water <sup>(b)</sup>						
<b>Total Recycled</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>
Imported Water						
State Water Project <sup>(c)</sup>	52,360	51,410	50,460	49,500	49,500	49,500
Article 56 Carryover <sup>(p)</sup>	-	-	-	-	-	-
Flexible Storage Accounts <sup>(d)</sup>	-	-	-	-	-	-
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land <sup>(e)</sup>	-	-	1,607	1,607	1,607	1,607
Yuba Accord Water <sup>(f)</sup>	1,000	-	-	-	-	-
<b>Total Imported</b>	<b>64,360</b>	<b>62,410</b>	<b>63,067</b>	<b>62,107</b>	<b>62,107</b>	<b>62,107</b>
Existing Banking and Exchange Programs <sup>(g)</sup>						
Rosedale Rio-Bravo Bank <sup>(g)</sup>	-	-	-	-	-	-
Semitropic Bank <sup>(g)</sup>	-	-	-	-	-	-
Semitropic – Newhall Land Bank <sup>(g)</sup>	-	-	-	-	-	-
Antelope Valley West Kern Water Agency Exchange <sup>(g)</sup>	-	-	-	-	-	-
United Water Conservation District Exchange <sup>(g)</sup>	-	-	-	-	-	-
<b>Total Bank/Exchange</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Existing Supplies</b>	<b>85,090</b>	<b>77,840</b>	<b>77,617</b>	<b>76,657</b>	<b>76,657</b>	<b>76,657</b>
<b>Planned Supplies</b>						
Future and Recovered Groundwater <sup>(h)</sup>						
Alluvial Aquifer <sup>(i)(o)</sup>	7,100	19,870	23,490	23,490	23,490	23,490
Saugus Formation <sup>(i)(o)</sup>	-	2,790	2,790	2,790	2,790	2,790
<b>Total Groundwater</b>	<b>7,100</b>	<b>22,660</b>	<b>26,280</b>	<b>26,280</b>	<b>26,280</b>	<b>26,280</b>
Recycled Water <sup>(k)</sup>						
<b>Total Recycled</b>	<b>1,849</b>	<b>3,696</b>	<b>5,091</b>	<b>6,498</b>	<b>7,499</b>	<b>8,511</b>
Planned Banking Programs						
Rosedale Rio-Bravo Bank <sup>(h)(l)</sup>	-	-	-	-	-	-
<b>Total Banking</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Planned Supplies</b>	<b>8,949</b>	<b>26,356</b>	<b>31,371</b>	<b>32,778</b>	<b>33,779</b>	<b>34,791</b>
<b>Total Supplies (Existing and Planned)<sup>(m)</sup></b>	<b>94,039</b>	<b>104,196</b>	<b>108,988</b>	<b>109,435</b>	<b>110,436</b>	<b>111,448</b>
<b>Demands</b>						
Demands with passive conservation	82,100	89,300	97,600	104,300	109,600	115,100
Demands with passive and active conservation <sup>(n)</sup>	76,400	81,700	88,700	93,600	97,500	101,000

Notes:

(a) Existing groundwater supplies represent the quantity of groundwater available to be pumped with existing wells, not impacted by PFAS or Perchlorate, at the time of the 2020 UWMP. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment. Declines from 2025 pumping levels reflect transfer of normal year pumping from existing wells to future and recovered wells.

- (b) Existing Recycled Water is based on current average annual use.
- (c) SWP supplies are based on average deliveries from DWR's 2021 DCR (56% - 52% at buildout due to climate change).
- (d) Supplies not needed in average years.
- (e) Existing Newhall Land supply committed under approved Newhall Ranch Specific Plan. Water is available from 2021 -2034 to meet supply shortfalls associated with the Newhall Ranch Specific Plan. Assumed to be transferred to SCV Water once Newhall Ranch development is completed around 2035.
- (f) Supply available for purchase every year, however, shown is amount available in dry periods, after delivery losses. This supply would typically be used only during dry years and is available through 2025.
- (g) Supplies not needed in average years.
- (h) Future and Recovered groundwater supplies include recovered impacted wells and new groundwater well capacity that may be required by SCV Water's production objectives in the Alluvial Aquifer and the Saugus Formation. When combined with existing Agency and non-Agency groundwater supplies, total groundwater production remains within the sustainable ranges identified in Tables 3-6 and 3-7 and is within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo(GSI 2020) and the updated Basin Yield Analysis(LSC & GSI 2009).
- (i) Future Category includes all wells restored from PFAS and Perchlorate water quality issues, and other future alluvial wells including those associated with development under the Newhall Ranch Specific Plan. Schedule for recovered well capacity based on 2023 Addendum to the Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021.
- (j) Future and Recovered Saugus wells include perchlorate-impacted Well 205, two replacement wells (Saugus 3 & 4), and up to four new wells (Saugus 5-8) planned to provide additional dry-year supply. New dry-year wells would not typically be operated during average/normal years.
- (k) Planned recycled water is the total projected recycled water use from Table 3-11 less existing use. Projections reflect demands that can be cost-effectively served with projected supplies. Refer to Section 5 in the 2020 UWMP for additional details on recycled water demands and supplies.
- (l) Firm withdrawal capacity under existing Rosedale Rio-Bravo Banking Program to be expanded by 10,000 AFY by 2030 (for a combined total of 20,000 AFY).
- (m) For completeness, LAWWD36 sales are included in demands and supplies. Breakdown of LACWWD 36 and SCV Water Demands are shown in Table 2-10 in the 2020 UWMP. Further, LACWWD 36's Saugus groundwater supplies shown in Table 3-5(a).
- (n) Total demands with passive and active conservation referenced from Table 2-10 in the 2020 UWMP.
- (o) June 2023 updates based on 2023 Addendum to the Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (p) Article 56 Carryover supplies not assumed to be available in Normal years.

#### **5.1.4 Single Dry Year Supplies and Demand**

The water supplies and demands for the water suppliers over the 30-year planning period were analyzed in the event that a single-dry year occurs, based on the worst single dry year on record. Table 5-3 summarizes the existing and planned supplies available to meet demands during a single-dry year. The demands shown include reductions from projected passive conservation savings, and both with and without active conservation savings. The demand during dry years was assumed to increase by 6 percent. Future demands include that of the Project.

**TABLE 5-3  
JUNE 2023 ADJUSTMENTS TO 2020 UWMP TABLE 7-3**

Projected Single-Dry Year Supplies and Demands (AF)						
	2025	2030	2035	2040	2045	2050
<b>Existing Supplies</b>						
Existing Groundwater <sup>(a)</sup>						
Alluvial Aquifer <sup>(a)</sup>	6,580	6,330	6,330	6,330	6,330	6,330
Saugus Formation <sup>(a)</sup>	16,320	17,880	17,880	17,880	17,880	17,880
<b>Total Groundwater</b>	<b>22,900</b>	<b>24,210</b>	<b>24,210</b>	<b>24,210</b>	<b>24,210</b>	<b>24,210</b>
Recycled Water <sup>(b)</sup>						
<b>Total Recycled</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>
Imported Water						
State Water Project <sup>(c)</sup>	2,618	2,380	2,142	1,904	1,904	1,904
Article 56 Carryover <sup>(f)</sup>	16,280	-	-	-	-	-
Flexible Storage Accounts <sup>(d)</sup>	6,060	4,680	4,680	4,680	4,680	4,680
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land <sup>(e)</sup>	-	-	1,607	1,607	1,607	1,607
Yuba Accord Water <sup>(f)</sup>	1,000	-	-	-	-	-
<b>Total Imported</b>	<b>36,958</b>	<b>18,060</b>	<b>19,429</b>	<b>19,191</b>	<b>19,191</b>	<b>19,191</b>
Existing Banking and Exchange Programs						
Rosedale Rio-Bravo Bank <sup>(g)</sup>	10,000	10,000	10,000	10,000	10,000	10,000
Semitropic Bank <sup>(g)</sup>	5,000	5,000	5,000	5,000	5,000	5,000
Semitropic – Newhall Land Bank <sup>(h)</sup>	-	-	4,950	4,950	4,950	4,950
Antelope Valley East Kern Water Agency Exchange <sup>(i)</sup>	-	-	-	-	-	-
United Water Conservation District Exchange <sup>(i)</sup>	-	-	-	-	-	-
<b>Total Bank/Exchange</b>	<b>15,000</b>	<b>15,000</b>	<b>19,950</b>	<b>19,950</b>	<b>19,950</b>	<b>19,950</b>
<b>Total Existing Supplies<sup>(p)</sup></b>	<b>75,308</b>	<b>57,720</b>	<b>64,039</b>	<b>63,801</b>	<b>63,801</b>	<b>63,801</b>
<b>Planned Supplies</b>						
Future and Recovered Groundwater <sup>(i)</sup>						
Alluvial Aquifer <sup>(k)(r)</sup>	9,390	17,020	20,500	20,500	20,500	20,500
Saugus Formation <sup>(l)(r)</sup>	-	15,920	15,920	15,920	15,920	15,920
<b>Total Groundwater</b>	<b>9,390</b>	<b>32,940</b>	<b>36,420</b>	<b>36,420</b>	<b>36,420</b>	<b>36,420</b>
Recycled Water <sup>(m)</sup>						
<b>Total Recycled</b>	<b>1,849</b>	<b>3,696</b>	<b>5,091</b>	<b>6,498</b>	<b>7,499</b>	<b>8,511</b>
Planned Banking Programs						
Rosedale Rio-Bravo Bank <sup>(n)</sup>	-	10,000	10,000	10,000	10,000	10,000
<b>Total Banking</b>	<b>0</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
<b>Total Planned Supplies</b>	<b>11,239</b>	<b>46,636</b>	<b>51,511</b>	<b>52,918</b>	<b>53,919</b>	<b>54,931</b>
<b>Total Supplies (Existing and Planned)<sup>(p)</sup></b>	<b>86,547</b>	<b>104,356</b>	<b>115,550</b>	<b>116,719</b>	<b>117,720</b>	<b>118,732</b>
<b>Demands<sup>(o)(p)(q)</sup></b>						
<b>Demands with passive conservation</b>	<b>87,000</b>	<b>94,700</b>	<b>103,500</b>	<b>110,600</b>	<b>116,200</b>	<b>122,000</b>
<b>Demands with passive and active conservation</b>	<b>81,000</b>	<b>86,600</b>	<b>94,000</b>	<b>99,200</b>	<b>103,400</b>	<b>107,100</b>

Notes:

(a) Existing groundwater supplies represent the quantity of groundwater available to be pumped with existing wells, not impacted by PFAS or Perchlorate, at the time of the 2020 UWMP. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require

treatment. Dry-year production represents anticipated maximum dry year production. Declines from 2025 pumping levels reflect transfer of normal year pumping from existing wells to future and recovered wells.

- (b) Existing recycled water is based on current average annual use.
- (c) Deliveries from DWR's 2021 DCR show single dry year allocations at 6% under current conditions to 4% under future conditions. SCV Water assumes a more conservative approach which eliminates any carryover deliveries reducing the current to future range to 3%-2% under single dry year conditions.
- (d) Includes both SCV Water and Ventura County entities flexible storage accounts. Extended term of agreement with Ventura County entities expires after 2025.
- (e) Existing Newhall Land supply committed under approved Newhall Ranch Specific Plan. Water is available from 2021 -2034 to meet supply shortfalls associated with the Newhall Ranch Specific Plan. Assumed to be transferred to SCV Water once Newhall Ranch development is completed around 2035.
- (f) Supply shown is amount available in dry periods, after delivery losses. This supply would typically be used only during dry years and is available through 2025.
- (g) Supplies shown are annual amounts that can be withdrawn using existing firm withdrawal capacity and would typically be used only during dry years.
- (h) Existing Newhall Land supply. Assumed to be transferred to SCV Water during Newhall Ranch development by 2035.
- (i) Supplies shown are totals recoverable under the exchange and would typically be recovered only during dry years with SWP allocation greater than 30%.
- (j) Future and Recovered groundwater supplies include recovered impacted wells and new groundwater well capacity that may be required by SCV Water's production objectives in the Alluvial Aquifer and the Saugus Formation. When combined with existing Agency and non-Agency groundwater supplies, total groundwater production remains within the sustainable ranges identified in Tables 3-6 and 3-7 and is within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis(LSC & GSI 2009).
- (k) Future and Recovered Alluvial groundwater includes PFAS, and perchlorate impacted alluvial wells, one replacement well (S 9), and future wells, including those for Newhall Ranch Specific Plan. Schedule for recovered well capacity based on 2023 Addendum to the Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021.
- (l) Future and Recovered Saugus wells include perchlorate impacted Well 205, two replacement wells (Saugus 3 & 4), and up to four new wells (Saugus 5-8) planned to provide additional dry-year supply. New dry-year wells would not typically be operated during average/normal years.
- (m) Planned recycled water is the total projected recycled water use from Table 3-11 less existing use. Projections reflect demands that can be cost-effectively served with projected supplies. Refer to Section 5 in the 2020 UWMP for additional details on recycled water demands and supplies.
- (n) Firm withdrawal capacity under existing Rosedale Rio-Bravo Banking Program to be expanded by 10,000 AFY by 2030 (for a combined total of 20,000 AFY).
- (o) Demands assume a 6% increase above normal demand during dry years.
- (p) For completeness, LAWWD36 sales are included in demands and supplies. Breakdown of LACWWD 36 and SCV Water Demands are shown in Table 2-10 in the 2020 UWMP. Further, LACWWD 36's Saugus groundwater supplies shown in Table 3-5(a).
- (q) June 2023 updates based on 2023 Addendum to the Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (r) Carryover supply assumed in 2025 based on average of available carryover, and back up supplies available in three driest years on record (5% SWP Allocations) in Table 5-1.
- (q) Future demands include that of the Project.

### **5.1.5 Multiple Dry Year Supplies and Demand**

The water supplies and demands over the 30-year planning period were analyzed in the event that a five-year dry period occurs, similar to the drought that occurred during the years 1988-1992. Table 5-4 summarizes the existing and planned supplies available to meet demands during a five-year dry period. Supply volumes shown represent averages for the consecutive five-year period, assuming each 5-year interval (2025, 2030, etc.) is the midpoint of the five-year period. The demands shown include reductions from projected passive conservation savings, and both with and without active conservation savings. As



in the single-dry year scenario, demand during dry years was assumed to increase by 6 percent. Future demands include that of the Project.

**TABLE 5-4  
JUNE 2023 ADJUSTMENTS TO 2020 UWMP TABLE 7-4**

<b>PROJECTED FIVE-YEAR DRY PERIOD SUPPLIES AND DEMANDS (AF)</b>						
<b>Supplies Available</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040</b>	<b>2045</b>	<b>2050</b>
<b>Existing Supplies</b>						
Existing Groundwater <sup>(a)</sup>						
Alluvial Aquifer <sup>(r)</sup>	6,400	6,620	5,890	5,590	5,590	5,590
Saugus Formation <sup>(r)</sup>	14,250	17,610	17,610	17,610	17,610	17,610
<b>Total Groundwater</b>	<b>20,650</b>	<b>24,230</b>	<b>23,500</b>	<b>23,200</b>	<b>23,200</b>	<b>23,200</b>
Recycled Water <sup>(b)</sup>						
<b>Total Recycled</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>	<b>450</b>
<b>Imported Water</b>						
State Water Project <sup>(c)</sup>	23,800	23,800	23,800	23,800	23,800	23,800
Carryover (Article 56) <sup>(s)</sup>	5,000	-	-	-	-	-
Flexible Storage Accounts <sup>(d)</sup>	4,980	4,680	4,680	4,680	4,680	4,560
Buena Vista-Rosedale	11,000	11,000	11,000	11,000	11,000	11,000
Nickel Water - Newhall Land <sup>(e)</sup>	-	-	960	1,610	1,610	1,610
Yuba Accord <sup>(f)</sup>	600	-	-	-	-	-
<b>Total Imported</b>	<b>45,380</b>	<b>39,480</b>	<b>40,440</b>	<b>41,090</b>	<b>41,090</b>	<b>40,970</b>
<b>Banking and Exchange Programs</b>						
Rosedale Rio-Bravo Bank <sup>(g)</sup>	10,000	10,000	10,000	10,000	10,000	10,000
Semitropic Bank <sup>(h)</sup>	5,000	5,000	5,000	5,000	4,929	1,859
Semitropic - Newhall Land Bank <sup>(l)</sup>	-	-	2,970	4,950	4,950	4,950
AVEK Exchange <sup>(j)</sup>	450	450	-	-	-	-
UWCD Exchange <sup>(i)</sup>	100	100	-	-	-	-
<b>Total Bank/Exchange</b>	<b>15,550</b>	<b>15,550</b>	<b>17,970</b>	<b>19,950</b>	<b>19,879</b>	<b>16,809</b>
<b>Total Existing Supplies<sup>(q)</sup></b>	<b>82,030</b>	<b>79,710</b>	<b>82,360</b>	<b>84,690</b>	<b>84,619</b>	<b>81,429</b>
<b>Planned Supplies</b>						
Future and Recovered Groundwater <sup>(k)</sup>						
Alluvial Aquifer <sup>(l)(r)</sup>	9,750	16,690	19,800	20,500	20,500	20,500
Saugus Formation <sup>(m)(r)</sup>	4,440	8,020	8,020	8,021	8,021	8,021
<b>Total Groundwater</b>	<b>14,190</b>	<b>24,710</b>	<b>27,820</b>	<b>28,521</b>	<b>28,521</b>	<b>28,521</b>
Recycled Water <sup>(n)</sup>	1,823	3,603	5,045	6,498	7,499	8,389
<b>Total Recycled</b>	<b>1,823</b>	<b>3,603</b>	<b>5,045</b>	<b>6,498</b>	<b>7,499</b>	<b>8,389</b>
<b>Planned Banking Programs</b>						
Rosedale Rio-Bravo Bank <sup>(o)</sup>	-	6,000	10,000	10,000	10,000	10,000
<b>Total Banking</b>	<b>0</b>	<b>6,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>	<b>10,000</b>
<b>Total Planned Supplies</b>	<b>16,013</b>	<b>34,313</b>	<b>42,865</b>	<b>45,019</b>	<b>46,020</b>	<b>46,910</b>
<b>Total Existing and Planned Supplies</b>	<b>98,043</b>	<b>114,023</b>	<b>125,225</b>	<b>129,709</b>	<b>130,640</b>	<b>128,340</b>
<b>Demands</b>						
<b>Demands with Passive Conservation<sup>(p)(q)</sup></b>	<b>83,570</b>	<b>91,380</b>	<b>99,670</b>	<b>106,660</b>	<b>112,100</b>	<b>117,010</b>
<b>Demands with Active Conservation<sup>(p)(q)</sup></b>	<b>77,830</b>	<b>83,620</b>	<b>90,570</b>	<b>95,780</b>	<b>99,670</b>	<b>102,870</b>

Notes:

- (a) Existing groundwater supplies represent the quantity of groundwater available to be pumped with existing wells, not impacted by PFAS or Perchlorate, at the time of the 2020 UWMP. In addition the 2023 Addendum to Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 shows some wells in the existing category will also require treatment. Declines from 2025 pumping levels reflect transfer of normal year pumping from existing wells to future and recovered wells.
- (b) Existing recycled water is based on current average annual use.
- (c) SWP supplies based on 1988-1992 hydrology from 2021 DCR future conditions averaging 25% allocation for 5 years.
- (d) Includes both SCV Water and Ventura County entities flexible storage accounts through 2025 and only SCV Water portion beyond 2025.
- (e) Existing Newhall Land supply committed under approved Newhall Ranch Specific Plan. Water is available from 2021 -2034 to meet supply shortfalls associated with the Newhall Ranch Specific Plan. Assumed to be transferred to SCV Water once Newhall Ranch development is completed around 2035.
- (f) 1,000 AFY assumed to be available during dry and critically dry years. The lower quantity in the table reflects the average supply over the five-year period. This supply is only available through 2025.
- (g) SCV Water has an existing firm withdrawal capacity of 10,000 AFY.
- (h) SCV Water has a maximum firm withdrawal capacity of 5,000 AFY.
- (i) Existing Newhall Land supply. Assumed to be transferred to SCV Water during Newhall Ranch development by 2035.
- (j) Exchange recovery was assumed to occur one year during the five-year dry period, for an average annual supply of one-fifth of the total recoverable water available (total recoverable is 2,250 AF from Antelope Valley East Kern Water Agency (AVEK), 500 AF from United Water Conservation District exchange programs.
- (k) Future and Recovered groundwater supplies include recovered impacted wells and new groundwater well capacity that may be required by SCV Water's production objectives in the Alluvial Aquifer and the Saugus Formation. When combined with existing Agency and non-Agency groundwater supplies, total groundwater production remains within the sustainable ranges identified in Tables 3-6 and 3-7 and is within the groundwater basin yields per the 2020 SCV-GSA Water Budget Development Tech Memo (GSI 2020) and the updated Basin Yield Analysis(LSC & GSI 2009).
- (l) Future Category includes all wells restored from PFAS and Perchlorate water quality issues, and other future alluvial wells including those associated with development under the Newhall Ranch Specific Plan. Schedule for recovered well capacity based on 2023 Addendum to the Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021.
- (m) This includes Saugus perchlorate impacted Well 205, two replacement wells (Saugus 3 & 4), and up to four new wells (Saugus 5-8) planned to provide additional dry-year supply. New dry-year wells would not typically be operated during average/normal years.
- (n) Planned recycled water is the total projected recycled water use from Table 3-11 less existing use. Projections reflect demands that can be cost-effectively served with projected supplies. Refer to Section 5 of the 2020 UWMP for additional details on recycled water demands and supplies.
- (o) Firm withdrawal capacity under existing Rosedale Rio-Bravo Banking Program to be expanded by 10,000 AFY by 2030 (for a combined total of 20,000 AFY).
- (p) Demands are weather adjusted for dry 1988-1992 hydrology.
- (q) For completeness, LAWWD36 sales are included in demands and supplies. Breakdown of LACWWD 36 and SCV Water Demands are shown in Table 2-10 in the 2020 UWMP. Further, LACWWD 36's Saugus groundwater supplies shown in Table 3-5(a).
- (r) June 2023 updates based on 2023 Addendum to the Groundwater Treatment Implementation Plan Technical Memorandum, Kennedy Jenks 2021 in Appendix M of the 2020 UWMP.
- (s) Conservative carryover supply estimate of 5,000 AF based on Table 5-1 ten-year carryover average being greater than 20,000 AF.

## 5.2 Additional Water Supply Reliability Analysis

As discussed in Section 4.10, SCV Water has undertaken additional analysis of its water supply reliability beyond the Normal, Single Dry-Year and Multiple Dry-Year analysis provided for the 2020 UWMP, and this Water Supply Verification. This was done with the 2021 update to its Water Supply Reliability Plan (Plan). The Plan uses an analytic spreadsheet model that incorporates the anticipated increase in demand due to growth and climate change (through 2050) and models the variability of hydrology both locally and from imported sources. For each hydrologic sequence, the model steps through each year of the study period, comparing annual supplies to demands and operating SCV Water storage programs as needed, adding to storage in years when supplies exceed demand, and withdrawing from storage when demand exceeds supplies. Results from the multiple hydrologic sequences are then compiled and summarized to

provide a statistical assessment of the reliability of SCV Water's supplies and storage programs to meet its projected demands over the study period.

The reliability analysis conducted in the Plan is more rigorous and conservative than that contained in the 2020 UWMP. The Plan models the operation of SCV Water's supply portfolio through the full 82-year historical hydrologic period and incorporates projected storage balances when determining the quantity of water available from a banking program to meet water demands during dry periods. Further, while UWMP Section 5.2 incorporated a gradual decline in SWP reliability between 2020 and 2040 due to climate change, the Plan's modeling is based on SWP hydrology adjusted to reflect 2040 climate change, being applied to all years in the study period.

The Plan analyzed various scenarios analyses, which analysis can be used to answer several questions including:

1. How long can current facilities be relied upon to achieve reliability?
2. If the mix of existing and proposed facilities in the UWMP achieved reliability through 2050?
3. If certain future facilities were not constructed, (specifically some or all of the new Saugus Formation wells were either not constructed or otherwise unavailable) would alternative programs that SCV Water is investigating be able to achieve reliability?

With respect to the first question identified above, the analysis shows that current supplies (including recovered groundwater capacity) along with active conservation will be sufficient until 2040.

Regarding the second question, to achieve reliability in subsequent years, additional investments in those programs and facilities identified in the UWMP (Scenarios 1) would be sufficient to achieve reliability through 2050.

As to the third question, Scenarios 2-5 demonstrate that alternative programs to those contained in the UWMP could offer different paths to achieve reliability or if implemented in addition to the UWMP could provide additional supplies in excess of demand.

### **Supply Reliability**

As discussed above, the analysis contained in the Plan represents a more robust and conservative analysis than that contained in Section 5.1. Nevertheless, the conclusions related to the ability of SCV Water to reliably meet water demands (including the Project) are consistent. If SCV Water continues to implement active water conservation measures, conjunctively use its imported water, groundwater, and water banking facilities, and invests in future water supply facilities as identified in the 2020 UWMP it will reliably meet water demands in its service area through 2050. The ability to implement other alternative water supply programs identified in the Plan's analysis demonstrates a robustness to this conclusion as alternatives exist should some of the future water supplies identified in the 2020 UWMP become unattainable.

## **5.3 Conclusion**

The County of Los Angeles, as Lead Agency, certified a Final EIR for the entire Tesoro Del Valley Project in December 1998. Said EIR did not include a Water Supply Assessment (WSA) as this certification came before the passing of State Bill 620 requiring a WSA. In 2018, the County of Los Angeles certified a Supplemental Environmental Impact Report (SEIR) for the Project. This SEIR did include a SB 610 WSA which was prepared by Newhall County Water District (NCWD), a predecessor to Santa Clarita Valley

Water Agency. The WSA stated that the total projected water supplies available to SCV Water during normal, single-dry and multiple-dry year periods over the 20-year projection and beyond will be sufficient to serve the demands associated with the proposed Project in addition to SCV Water's existing and planned future uses. This determination was consistent with the Castaic Lake Water Agency's, a predecessor to SCV Water, 2015 UWMP.

As set forth in this WSV, which also relies in part upon the documents referenced herein including the adopted WSA for the Project, the 2020 UWMP, CEQA approvals and other project approvals and analyses, and pursuant to the requirements of Government Code section 66473.7, et seq. SCV Water has evaluated the long-term water needs (water demand) within its service area and has compared these needs against existing and planned water supplies. Demand projections are based on applicable population projections and county and city land use plans, and account for conservation as well as climate change impacts and other relevant factors.

SCV Water is implementing and financing plans that include projects and programs to help ensure that the existing and planned water users within the Santa Clarita Valley have a sufficient supply.

Consistent with the provisions of SB 221, neither this WSV nor its approval shall be construed to create a right or entitlement to water service or any specific level of water service, and shall not impose, expand, or limit any duty concerning the obligation of SCV Water to provide certain service to its existing customers or to any future potential customers.

The WSV does not constitute a will-serve, plan of service, or agreement to provide water service to the Project, and does not entitle the Project, Project Applicant, or any other person or entity to any right, priority or allocation in any supply, capacity, or facility. To receive water service, the Project will be subject to an agreement with SCV Water, together with any and all applicable fees, charges, plans and specifications, conditions, and any and all other applicable SCV Water requirements in place and as amended from time to time. Such conditions include the Project's approved landscape plans complying with the MWELo standards as well as the Project's compliance with any other applicable water conservation measures being incorporated as conditions of approval. Nor does anything in this WSV prevent or otherwise interfere with SCV Water's discretionary authority to declare a water shortage emergency in accordance with the Water Code.

This WSV concludes that the total projected water supplies available to the SCV Water service area over the 20-year projection during normal, single-dry, and multiple-dry year (5-year drought) periods are sufficient to meet the projected demands associated with the proposed Project, in addition to existing and other planned future uses, including agricultural and industrial uses, throughout the Valley, provided that SCV Water continues to utilize available SWP Table A Amounts, and continues to incorporate conjunctive use (coordinated use of surface water and groundwater), water conservation, water transfers, recycled water, and water banking as part of the total water supply portfolio and management approach to long-term water supply planning and strategy.

## **Section 6: References Used or Relied Upon in Preparing WSV**

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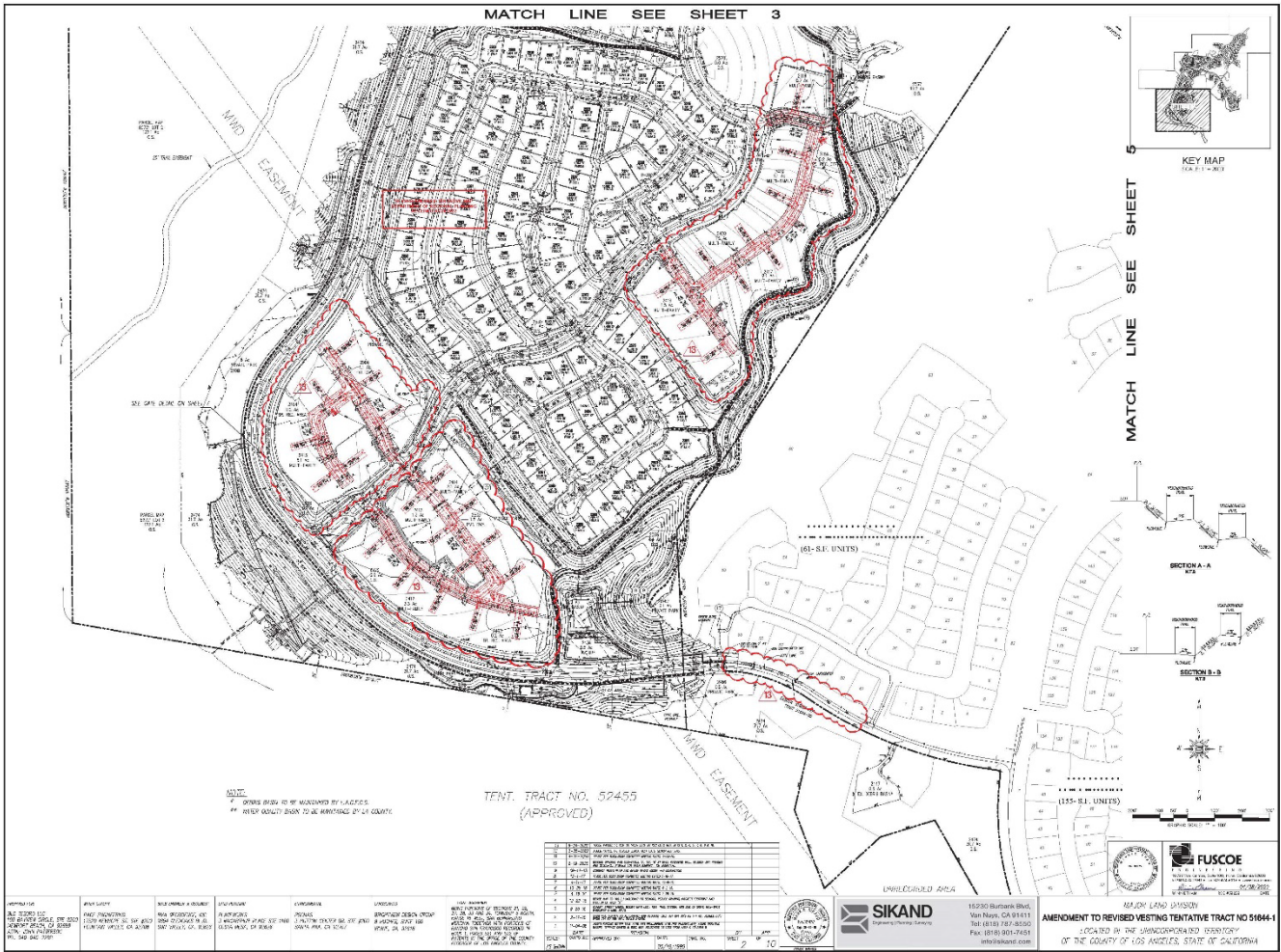
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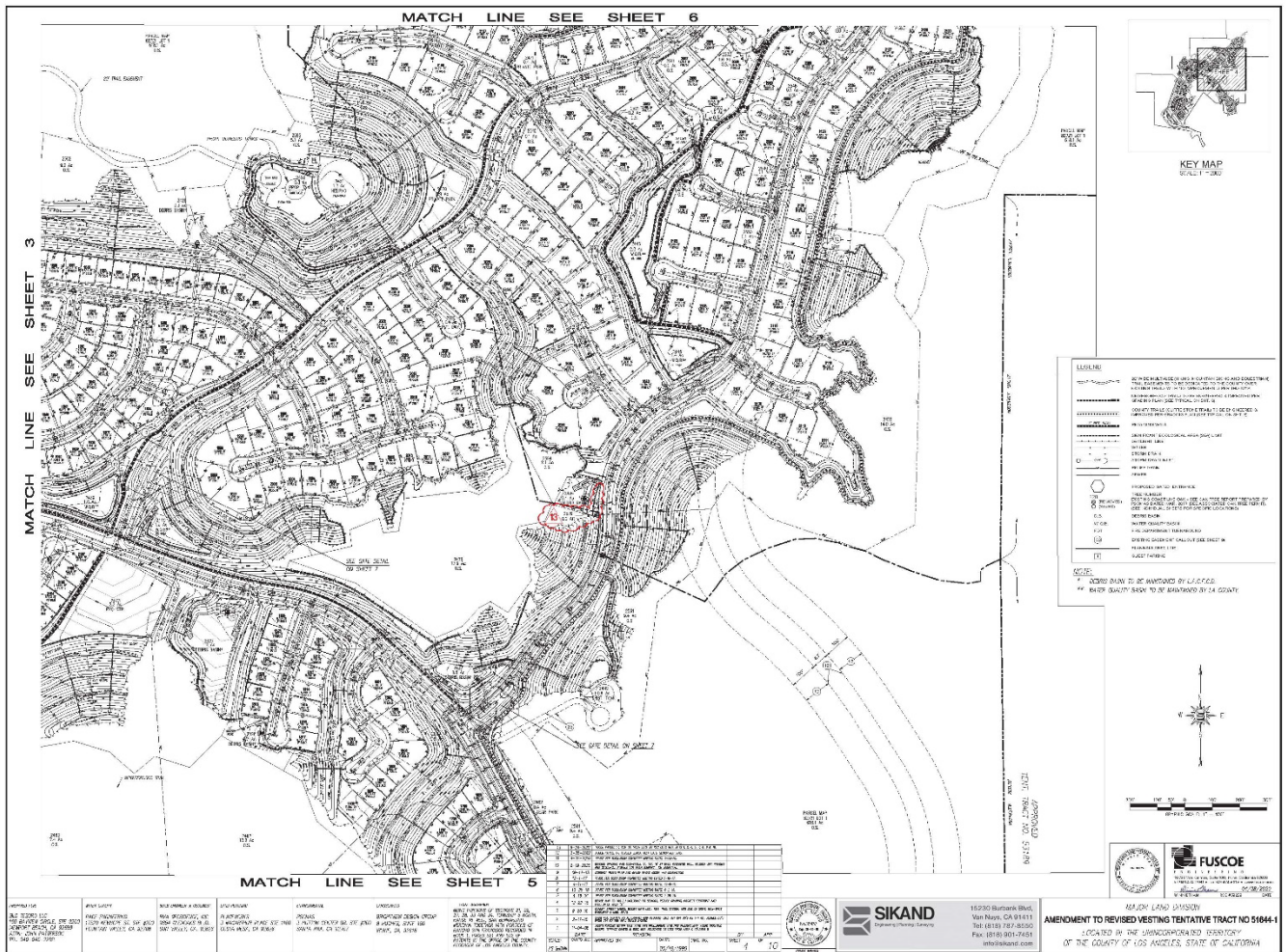
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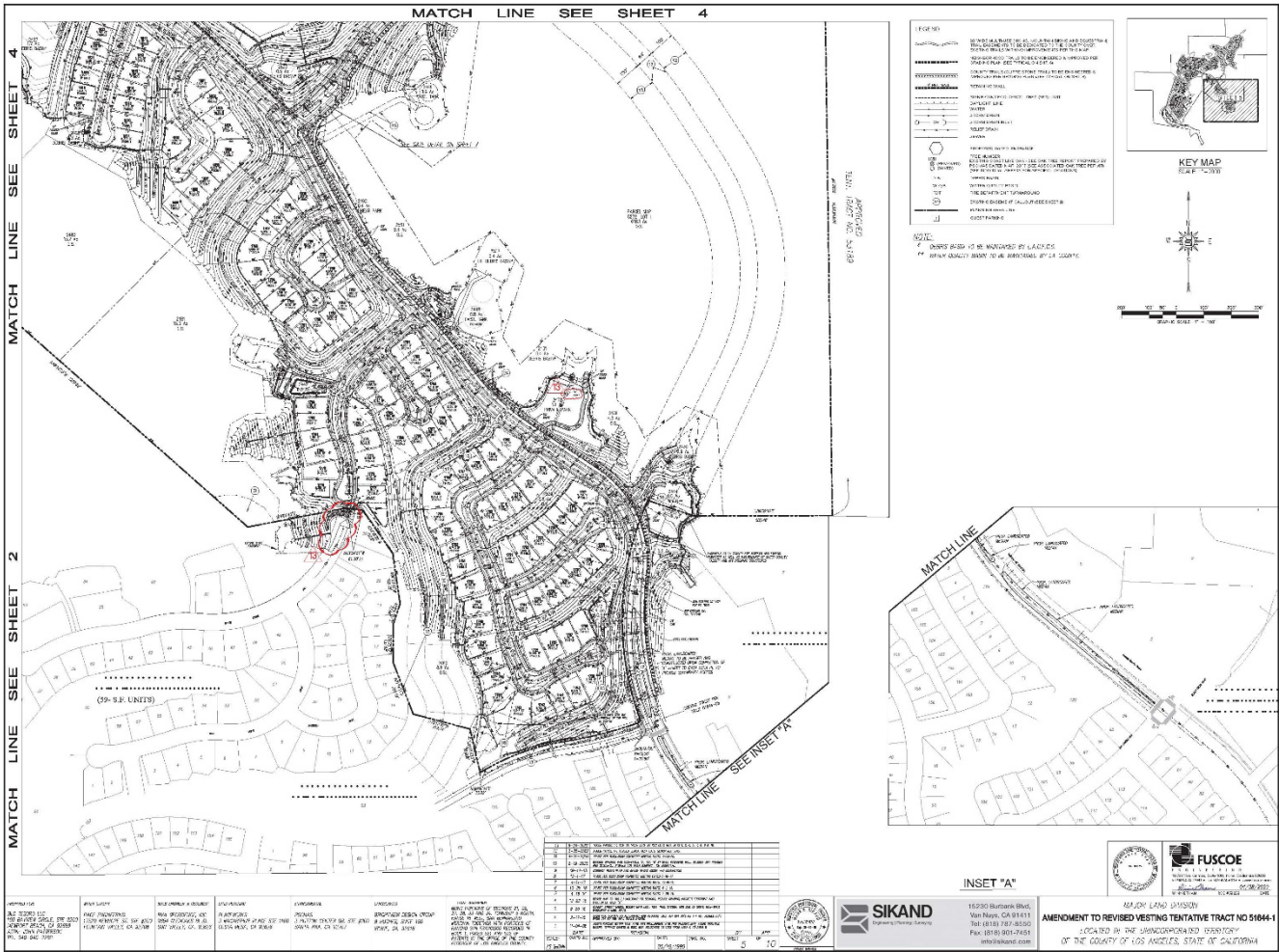
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## ATTACHMENT 2

RESOLUTION NO. \_\_\_\_\_

**RESOLUTION OF THE BOARD OF DIRECTORS OF THE  
SANTA CLARITA VALLEY WATER AGENCY  
ADOPTING THE SB 221 WATER SUPPLY VERIFICATION  
FOR TESORO DEL VALLE (AREAS B & C)  
(TENTATIVE TRACT MAP NO. 51644-1)**

**WHEREAS**, the Santa Clarita Valley Water Agency (SCV Water) provides retail water service to portions of the City of Santa Clarita (City) and to unincorporated portions of Los Angeles County in the Santa Clarita Valley; and

**WHEREAS**, SCV Water is a "public water system" as defined by California Government Code section 66473.7, subdivision (a)(3) and California Water Code section 10912, subdivision (c) and may receive requests from time to time to prepare a Water Supply Assessment pursuant to Water Code section 10910 et seq. (commonly referred to as SB 610) and/or a Water Supply Verification pursuant to Government Code sections 65867.5 and 66473.7 (commonly referred to as SB 221); and

**WHEREAS**, SCV Water received a request from the City of Santa Clarita Planning Department for SCV Water to prepare a Water Supply Verification for Vesting Tentative Tract Map (VTTM) 51644-1, otherwise referred to as the Tesoro Del Valle Areas B & C (Project), where the City is the lead agency for the Project under the California Environmental Quality Act (CEQA), and the City is responsible for all land use decisions related to the Project; and

**WHEREAS**, the Project is within SCV Water's service area, and therefore SCV Water is the public water system to provide water service to the Project; and

**WHEREAS**, pursuant to the City's request for SCV Water to prepare a Water Supply Verification for the Project, SCV Water has prepared a Water Supply Verification for the Project in accordance with the requirements of SB 221.

**NOW THEREFORE, BE IT RESOLVED** that the Board of Directors of SCV Water, as the governing body of SCV Water, (1) has determined that all of the foregoing Recitals are true and correct and are incorporated herein and made an operative part of this Resolution; (2) has reviewed the Water Supply Verification for the Project; (3) has determined, exercising its independent judgment, that a "sufficient water supply" is available for the Project based on the requirements of SB 221, the information and analyses contained in the Water Supply Verification, the documentation contained in the administrative record in support of the Water Supply Verification, and other relevant records on file with SCV Water; and (4) hereby approves the Water Supply Verification for the Project, a copy of which is attached hereto as Attachment 1 and incorporated herein by reference.

**RESOLVED FURTHER** that SCV Water's General Manager, or designee, is authorized and directed to forward a copy of the approved Water Supply Verification to the City of Santa Clarita in response to the City's request, and to take any and all actions necessary in furtherance of the matters authorized or contemplated by the foregoing Resolution.

\_\_\_\_\_  
President

I, the undersigned, hereby certify: That I am the duly appointed and acting Secretary of the Santa Clarita Valley Water Agency, and that at a regular meeting of the Board of Directors of said Agency held on December 5, 2023 the foregoing Resolution No. SCV- ?? was duly and regularly adopted by said Board, and that said resolution has not been rescinded or amended since the date of its adoption, and that it is now in full force and effect.

DATED: December 5, 2023

\_\_\_\_\_  
Secretary

# **TESORO DEL VALLE (AREAS B & C)**

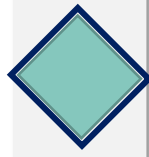
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## **Water Supply Verification**

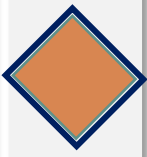
**Regular Board Meeting**  
**Speaker: Steve Cole**  
**December 5, 2023**



# Presentation Outline



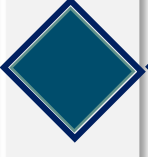
**SB 221 Water Supply Verification**



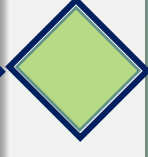
**Project Description & Water Demands**



**Water Supply Approach**



**Supply and Demand Comparisons**



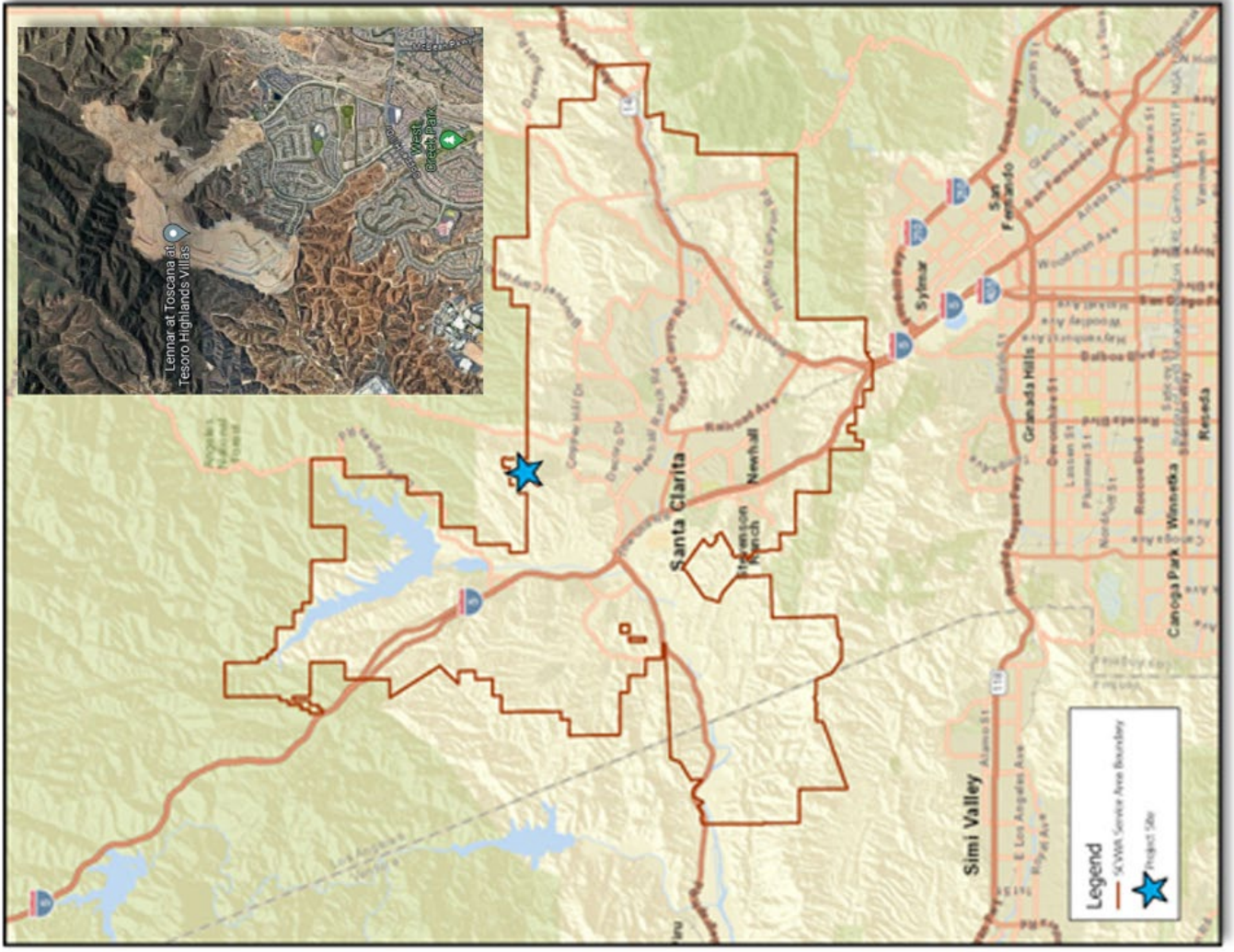
**Conclusions and Recommendations**

# The Water Supply Verification

- Triggered by Tentative Map approval
- Verification over 20-year planning projection
  - Supported by UWMP and WSA
- WSA estimates replaced with “firm assurances”
  - Include future planned supplies
- WSV’s are not part of CEQA

# Project Location

The Tesoro Del Valle Development is north of the existing Tesoro Development, north of Copper Hill Road



# Tesoro Del Valle Description

- The Project is within SCV Water's service area.
- The Project consists of:
  - 665 Single Family Homes
  - 155 Multi-Family Senior Villas
  - 5 Acre Private Park
  - 134 acres of Dedicated Irrigation

# Tesoro Del Valle – Demand Assessment Analysis

WATER DEMAND ESTIMATE - TESORO DEL VALLE (AREAS B & C) DEVELOPMENT			
Projected Normal/Average Year Demands			
Unit	# of Units	Unit Type	Demand (AFY)
Single Family (<1 du/ac)	15	DU	7.29
Single Family (1-5 du/ac)	331	DU	157.67
HOA/Dedicated Irrigation	53.93	Acres	175.71
Developed Park -Annexed	0.55	Acres	1.79
Single Family (1-5 du/ac)	319	DU	151.95
Senior Villa Lots (MF)	155	DU	77.39
HOA/Dedicated Irrigation	79.91	Acres	260.36
Developed Park	4.66	Acres	15.18
	<b>Total Average Year Demands (AFY)</b>		<b>847</b>
	<b>Projected Single Dry Year Demands (AFY)</b>		<b>898</b>
	<b>Projected Multiple Dry Year Demands (AFY)</b>		<b>864</b>



# **Water Supply Approach**

- WSV relies on SCV Water's current water supply portfolio
- Supplies from 2020 UWMP updated to reflect:
  - 1) DWR's Final 2021 SWP Delivery Capability Report
  - 2) Recovery schedule of wells impacted by Perchlorate/VOCs and PFAS contamination
  - 3) New well treatment due to newly proposed USEPA MCL's for PFAS and PFOA

# SWP Table A Reliability Table

**Table 3-1**

**SWP TABLE A SUPPLY RELIABILITY (AF)<sup>(a)(b)</sup>**

<b>Wholesaler (Supply Source)</b>	<b>2020</b>	<b>2025</b>	<b>2030</b>	<b>2035</b>	<b>2040-2050</b>
<b>Average Water Year<sup>(c)</sup></b>					
SWP Table A Supply	53,312	52,360	51,408	50,456	49,504
% of Table A Amount <sup>(d)</sup>	56%	55%	54%	53%	52%
<b>Single-Dry Year<sup>(e)</sup></b>					
SWP Table A Supply	2,856	2,618	2,380	2,142	1,904
% of Table A Amount <sup>(d)</sup>	3%	3%	3%	2%	2%
<b>Multiple-Dry Year<sup>(f)</sup></b>					
SWP Table A Supply	23,800	23,800	23,800	23,800	23,800
% of Table A Amount <sup>(d)</sup>	25%	25%	25%	25%	25%

# Saugus Well Treatment Schedule

WELL	MAIN TREATMENT	START UP DATE
(Newhall) N12	PFAS	Jun-28
(Newhall) N11, N13	PFAS	Jan-26
Saugus 1 & 2	VOCs	Oct-25
Well 201 (a)	PERCHLORATE/VOCs	Jan-25
Well 205 (a)	PERCHLORATE/VOCs	Oct-25
Well 206 & 207 (b)	PFAS	Jun-28
Saugus 3 and 4		
Saugus 5 and 6		
Saugus 7 and 8		

# Alluvial Well Treatment Schedule

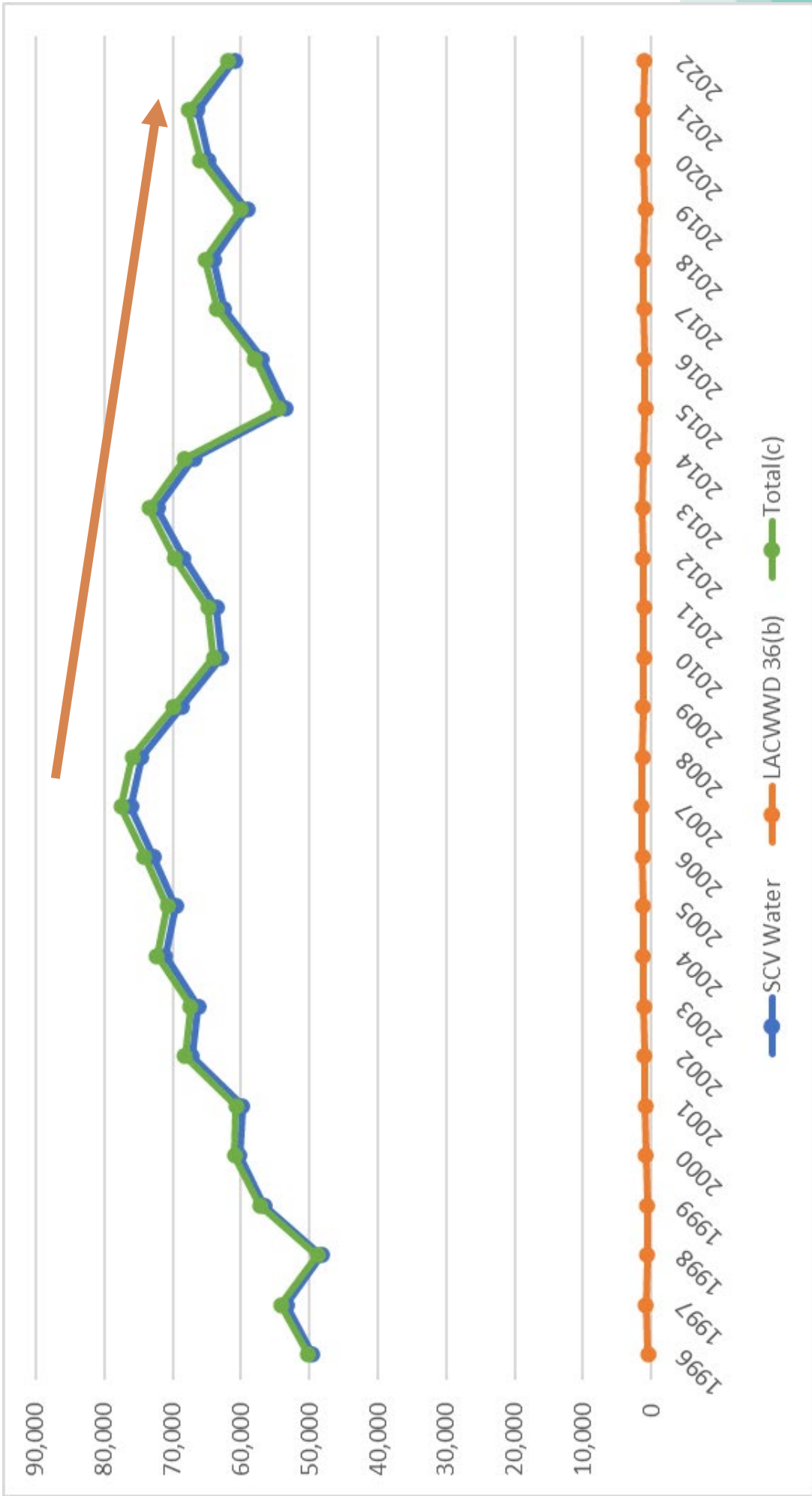
WELL	MAIN TREATMENT	TREATMENT STATUS	START UP DATE
(N Wells) N, N7, N8	PFAS	Online	Dec-20
Q2	PERCHLORATE	Online	May-23
Valley Center	PFAS	Online	Oct-22
Santa Clara, Honby	PFAS	Construction	Dec-23
T7, U4, U6	PFAS	Final Design	Oct-25
S6, S7, S8	PFAS	Final Design RFP	Sep-26
E14, E15, E16, E17	PFAS	Planning	Dec-26
North Oaks West, Central & East	PFAS	Planning RFP issued	Jun-28
Sierra Well	PFAS	Planning RFP issued	Jun-28
Well W10	PFAS	Planning RFP issued	Jun-28
Well W9	PFAS	Planning RFP issued	Jun-28
Well D	PFAS	Planning RFP issued	Jun-28
Lost Canyon 2, 2A, Sand Canyon	PFAS	Planning RFP issued	Jun-28
Mitchel 5A	PFAS	Planning	TBD
Clark Well	PFAS	Planning RFP issued	Jun-28
(Castaic) Well C1	PFAS	Blending Strategy	TBD
(Pinetree) Well P3	PFAS	No Planned Treatment	TBD
(Castaic) Well C1	PFAS	Blending Strategy	TBD
(Pinetree) Well P3	PFAS	No Planned Treatment	TBD

# Supply Exceeds Demand

SUMMARY OF SCV WATER'S EXISTING AND RECOVERED SUPPLIES									
Year	Normal Year Supply (AF)	Normal Year Demand (AF) with Project	Remaining Balance (AF)	Single-Dry Year Supply (AF)	Single-Dry Year Demand (AF) with Project	Remaining Balance (AF)	5-Year Dry Period Supply (AF)	5-Year Dry Period Demand (AF) with Project	Remaining Balance (AF)
2025	94,039	76,400	17,639	86,547	81,000	5,547	98,043	77,830	20,213
2030	104,196	81,700	22,496	104,356	86,600	17,756	114,023	83,620	30,403
2035	108,988	88,700	20,288	115,550	94,000	21,550	125,229	90,570	34,659
2040	109,435	93,600	15,835	116,719	99,200	17,519	129,706	95,780	33,926
2045	110,436	97,500	12,936	117,720	103,400	14,320	130,636	99,670	30,966

**Conclusion: Water Supply is sufficient to meet projected demands in normal, multi dry-years and single dry-years throughout the study period**

# Santa Clarita Valley's Historical Water Use



# Conclusion

- The Project's long-term water demands were included in the 2020 UWMP.
- Staff compared these demands against updated UWMP water supplies.
- Staff has concluded that the total projected water supplies over the 20-year period will be sufficient to meet the projected demands associated with the proposed Tesoro Del Valle development as well as existing and planned future uses.

# Recommendation

The Water Resources and Watershed Committee recommends that the Board of Directors of the Santa Clarita Valley Water Agency adopt a resolution approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B & C) Development and direct staff to submit the WSV to the City of Santa Clarita.





## BOARD MEMORANDUM

**DATE:** November 28, 2023  
**TO:** Board of Directors  
**FROM:** Rochelle Patterson *RP*  
Chief Financial and Administrative Officer  
**SUBJECT:** Approve a Purchase Order to Salinas Valley Ford for Fleet Replacement Vehicles

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### SUMMARY

Staff recommends authorization for the General Manager to approve a \$2.5 million purchase order to be executed by December 31, 2023 with Salinas Valley Ford in order to replace up to 37 SCV Water (Agency) current fleet vehicles, as part of the Agency's compliance plan in anticipation of the new Advanced Clean Fleets (ACF) regulation set to take effect January 1, 2024.

### DISCUSSION

The State of California has set ambitious goals to reduce emissions from the transportation sector and accelerate the transition to zero-emission vehicles (ZEVs) and equipment. These new regulations will have a significant impact on public agencies' ability to provide essential services.

#### Advanced Clean Fleets Regulation Requirements

The California Air Resources Board's (CARB) new ACF regulation states the following:

State and local government fleets, including city, county, special district, and State agency fleets, are required to ensure 50 percent of vehicle purchases are zero-emission beginning in 2024 and 100 percent of vehicle purchases are zero-emission by 2027. Small government fleets (those with 10 or fewer vehicles) and those in designated counties must start their ZEV purchases beginning in 2027. Alternately, State, and local government fleet owners may elect to meet ZEV targets using the ZEV Milestones Option. State and local government fleets may purchase either ZEVs or near-ZEVs, or a combination of ZEVs and near-ZEVs, until 2035. Starting in 2035, only ZEVs will meet the requirements.

The timetable for this transition requirement is illustrated in Table 1 on the next page.

**Table 1: ZEV Fleet Milestones by Milestone Group and Year**

Compliance Option	Requirements					
New Purchases	2024 thru 2026			2027 & Onward		
	50% of new purchases must be ZEVs			100% of new purchases must be ZEVs		
Milestone	ZEV Portion of Fleet	10% by Year	25% by Year	50% by Year	75% by Year	100% by Year
	G1: Box trucks, vans, 2-axle buses, yard tractors	2025	2028	2031	2033	2035+
	G2: Work trucks, day cab tractors, 3-axle buses	2027	2030	2033	2036	2039+
	G3: Sleeper cab tractors and specialty vehicles	2030	2033	2036	2039	2042

Currently, the Agency operates a fleet of over 250 vehicles and equipment, which means in order to comply with this new regulation, SCV Water must start transitioning its medium and heavy-duty vehicles to zero-emissions and construct the infrastructure necessary to support these vehicles and equipment, starting January 1, 2024. Due to the limited supply of reliable ZEVs, most fleets, including SCV Water’s, will be picking the new purchases option.

**Status of the Advanced Clean Fleets Regulation**

This new regulation has been adopted by CARB and approved by the Office of Administrative Law. CARB is hastily preparing for implementation of the regulation by developing frequently asked question guides for fleets, a new reporting system, and hiring new staff to process exemption requests. Although the regulation is currently being challenged in court by various industry groups, CARB staff believe the regulation will be upheld by the courts. At the same time, the state legislature has proposed and adopted Assembly Bill 1594 (Garcia) to address concerns about the regulation’s impact. However, it is unclear how it will amend the regulation due to the vague language of the bill. Amendments to the regulation must go through the rule-making process, which may take up to a year to complete.

CARB knows there are many implementation challenges; therefore, it has created the Truck Regulations Implementation Groups (TRIG) to collect stakeholder feedback on the implementation of the ACF. SCV Water will have direct and indirect representation with several TRIG members, including the Agency’s Fleet and Warehousing Supervisor.

## **Implementation Challenges and Operational Risks**

While the Agency supports the goals of the ACF, staff believe the regulation will present significant operational risks and will challenge the Agency's ability to provide essential services. According to CARB, there are over 135 ZEVs that are commercially available; however, most of those vehicles are in limited supply and not in the configurations needed by the Agency. These challenges include:

- **Technological limitations:** most vehicles currently available do not meet the operational needs of the Agency including battery range and the ability to tow heavy trailers.
- **Vehicle Availability:** most of the vehicles available are made by startups that do not have a proven record of accomplishment, or the dealer infrastructure, to honor and service battery warranties. Moreover, the reliable manufacturers of medium and heavy-duty vehicles including Ford, Chevrolet, Dodge, Freightliner, and International are still in the development phase of their medium-duty ZEVs, which means it could take a couple of years for them to manufacture reliable ZEVs.
- **Uncertainty in Charging Infrastructure:** There has been a recent shift in the automotive industry to switch to the Tesla charging port [North American Charging Standard (NACS)]. Most light-duty manufacturers have announced plans to switch to the NACS; however, the medium and heavy-duty manufacturers have not indicated that they will follow this standard. This uncertainty makes it difficult to select charging equipment that will work correctly with all ZEVs.
- **Delays with Infrastructure Construction:** There are currently long lead times for charging infrastructure equipment, and utilities are struggling to provide the necessary power to electrify fleets across the state. Therefore, delays in charging infrastructure construction could jeopardize the deployment of ZEVs across the fleet.
- **Additional Regulatory Requirements:** Although SCV Water may apply for and receive exemptions from CARB, the Agency would still need to comply with South Coast Air Quality Management District (SCAQMD) rules that prohibit the purchase of diesel vehicles. These SCAQMD rules would also require the Agency to purchase compressed natural gas (CNG) vehicles in lieu of diesel vehicles, even though CARB is phasing out the use of CNG across California. Moreover, the Agency would need to build new infrastructure to fuel a handful of CNG vehicles.

## **Compliance Planning**

To help plan for compliance with ACF, SCV Water engaged TerraVerde Energy, ACWA's preferred partner for fleet electrification, to provide compliance planning support services, which includes:

- Collecting & analyzing detailed information on the Agency's fleet composition & utilization
- Identifying potential high-priority vehicles and mapping out a vehicle replacements timeline
- Identifying electric vehicle options and rough order of magnitude (ROM) costs
- Identifying applicable incentive programs and electric vehicle charging equipment options, costs, and revenue opportunities

TerraVerde used telematics data and data from the Agency's fleet information system to analyze the fleet's utilization and driving patterns, as well as calculate energy and charging requirements.

## **Strategic Vehicle Replacements**

Staff, with the help of TerraVerde, developed a strategy for the Agency to remain in compliance with the upcoming regulation. SCV Water would replace specifically identified conventional gas fleet vehicles immediately (by end of calendar year), allowing the Agency enough time (5-7 years) to build the infrastructure necessary to support the purchase of future Agency ZEVs. This time period also allows manufacturers to build more reliable ZEVs that meet the Agency's operational needs. Additionally, the Agency would continue to deploy ZEVs in assignments that do not impact the Agency's ability to provide essential services. Additionally, this vehicle purchase will help reduce greenhouse gas emissions by placing into service new vehicles that are more fuel efficient.

Thirty-seven (37) SCV Water frontline vehicles that are vital to daily and emergency operations were identified that could be replaced with conventional gasoline vehicles and limit the Agency's operational risks. These vehicles were identified by the following criteria. These 37 vehicles:

- Need to be replaced within the next 5-7 years
- Have high engine wear and have reached 10 years of age or 100,000 miles
- Need to be right sized for towing capabilities

Staff estimates that replacing up to 37 vehicles would cost about \$2,500,000, based on previous purchases and current market prices. Although the vehicles will be ordered for immediate delivery, it may take a up to 3 fiscal years to receive all vehicle deliveries due to delays in manufacturing, as well as long lead times for vehicle upfitting for utility bodies, traffic lighting, emergency radios, etc. Staff sent out a request for quote to twenty-five (25) suppliers and received eight (8) submittals. Six of the eight submittals were complete. After review of the submittals, Salina Valley Ford was identified as providing the Agency with the best terms and pricing. The estimated costs are as follows:

<b>Vehicle Type</b>	<b>Quantity</b>	<b>Estimated Cost</b>	<b>Total Cost</b>
F-250 Trucks	8	\$60,000	\$480,000
F-350 Utility Trucks	18	\$65,000	\$1,170,000
F-550 Utility Trucks	3	\$70,000	\$210,000
F-650 Utility Trucks	8	\$80,000	\$640,000
<b>Grand Total Cost</b>			<b>\$2,500,000</b>

## **Alternatives**

If the 37 strategically identified vehicles are not approved to be purchased and replaced with conventional gasoline vehicles, then staff estimates an additional \$3 million in ZEV replacements and infrastructure costs will be required over the next 5-7 years, while still contending with operational challenges from limited ZEV towing capacities and battery ranges.

## **Recommended Next Steps**

- Issue a purchase order for 37 new vehicles before December 30, 2023
- If available, apply to incentive and grant programs to help offset the costs of new ZEVs and infrastructure
- Begin the design phase for charging infrastructure

- Provide updates on the Agency’s ZEV transition

On November 20, 2023, the Finance and Administration Committee considered staff’s recommendation to approve a purchase order for fleet replacement vehicles. The Committee agreed to move forward with a purchase order with the successful bidder, who subsequently became Salinas Valley Ford.

### **STRATEGIC PLAN NEXUS**

The approval of this purchase orders helps support SCV Water’s Strategic Plan Strategy D.3 – “Anticipate and comply with regulatory and environmental changes”; Objective B.2. – “Plan and budget for long-term replacements and improvements,” as well as Objective C.6.5 – “Develop/implement appropriate emissions reductions.”

### **FINANCIAL CONSIDERATIONS**

The vehicles are expected to cost up to \$2.5 million, which includes a 4% contingency to account for additional costs caused by supply chain issues. Delivery and cost of the vehicles may also be delayed and spread across three fiscal years due to supply chain issues. Funding will be made available from the Vehicle and Equipment Replacement capital project, beginning with the adopted FY 2023/24 Budget.

### **RECOMMENDATION**

The Finance and Administration Committee recommends that the Board of Directors authorize the General Manager to approve a \$2.5 million purchase order to Salinas Valley Ford to replace up to 37 vehicles as part of the Agency’s compliance plan with the new Advanced Clean Fleets regulation.

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# STRATEGIC VEHICLE REPLACEMENTS

**Board of Directors**  
Tuesday, December 5, 2023



# BACKGROUND

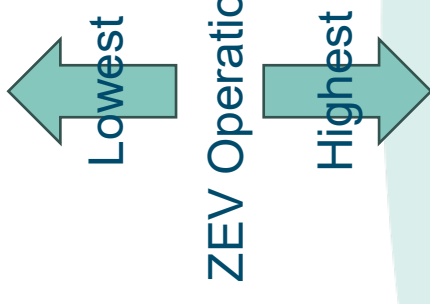
- CARB's Advanced Clean Fleet (ACF) regulation requires public agencies to begin transitioning their medium- and heavy-duty (MHD) vehicle fleets to Zero-Emission Vehicles (ZEV) beginning in 2024.
- In consideration of this regulation, SCV Water engaged TerraVerde Energy (TerraVerde) to provide compliance planning support services.



# STRATEGIC CONVENTIONAL VEHICLE PURCHASES

To reduce impact to operations, consider placing orders for conventional medium- and heavy-duty (MHD) gas vehicle replacements and additions by December 31, 2023. Proposed Purchase List: 37 Vehicles, ~\$2.5M

GVWR and “configuration”	Relative Likelihood of ZEV-Equivalent Availability
Class 2 (17) Class 2 utility, pickup	High
Class 3 (9) utility body	Moderate
Class 4 (2) flat, stake, utility	Low
Class 5 (8) utility body, (1) crane	Lowest



# STRATEGIC CONVENTIONAL VEHICLE PURCHASES

Vehicle	# of Vehicles	Estimated Cost per Vehicle	Estimated Total Cost
Ford F-250 Pickup	8	\$ 60,000	\$ 480,000
F-350 with Utility Body	18	\$ 65,000	\$ 1,170,000
F-550 with Utility Body	3	\$ 70,000	\$ 210,000
F-650 with Utility Body	8	\$ 80,000	\$ 640,000
<b>Total</b>	<b>37</b>		<b>\$ 2,500,000</b>



F-250



F-350



F-550



F-650

# STRATEGIC REPLACEMENT LIST CRITERIA



**TerraVerde and Agency staff worked together to identify strategic replacements for front line vehicles vital to daily and emergency operations:**

- Vehicles that will need to be replaced within the next 5-7 years
- Vehicles that have high engine wear and have reached 10 years of age or 100,000 miles
- Vehicles that need to be right sized for towing capabilities

# ACF REGULATION IMPLEMENTATION CHALLENGES

**Technological limitations:** battery range and the ability to tow heavy trailers

**Vehicle Availability:** Reliable manufacturers are still in the development phase of their medium and heavy-duty ZEVs

**Uncertainty in Charging Infrastructure:** Industry shift to Tesla Charging Port [North American Charging Standard (NACS)]

**Infrastructure Construction:** Delays in charging infrastructure construction could jeopardize the deployment of ZEVs across the Agency's fleet

# OVERVIEW OF ANTICIPATED ZEV PURCHASES

Year	2024-2026	2027	2028	2029	2030	2031	2032	2033	2034	Total Purchases
Anticipated ZEV Purchases	1	0	1	2	1	0	0	4	3	12

- To meet ACF requirements, SCV Water is anticipated to purchase 12 MHD ZEVs over the next 10 years (through 2034)
- An additional 16 MHD ZEV purchases are anticipated through 2041

# ANTICIPATED CHARGING INFRASTRUCTURE REQUIREMENTS THROUGH 2034

Charger Rating	Capex Per Charger	Count
480V, 300A (115 kW)	\$177,900	1
208V, 200A (33 kW)	\$139,100	1
208V, 100A (17 kW)	\$14,200	1
208V, 80A (13 kW)	\$11,350	5
208V, 40A (6.7 kW)	\$10,500	3
120V, 20A (1.9 kW)	\$6,150	1
<b>Phase Totals (Count)</b>		<b>12</b>

At GT, Pine, Rio Vista, and Rockefeller, SCV Water is expected to deploy 12 chargers through 2034, with a total estimated capex ~\$440k\*.

kW ratings intended to use entire over-night parking durations to minimizing load

# NEXT STEPS

Action	When	Cost Estimate
Place Order for Strategic Conventional Vehicle Purchases	Before December 31, 2023	\$2.5MM
Commence EV Infrastructure Planning	Early 2024	\$50-100k
Submit Initial Compliance Report to CARB	Q1 '24	Staff Time
Evaluate, Select, and Purchase First MHD ZEV Replacement	2024-2025	\$100k

# RECOMMENDATION

The Finance and Administration Committee recommends that the Board of Directors authorize the General Manager to approve a \$2.5 million purchase order to Salinas Valley Ford to replace up to 37 vehicles as part of the Agency's Compliance Plan for the new Advanced Clean Fleets Regulation.






## BOARD MEMORANDUM

**DATE:** November 21, 2023

**TO:** Board of Directors

**FROM:** Cris Pérez   
Director of Technology Services

**SUBJECT:** Approve a Contract Renewal with Systems & Software, Inc. for enQuesta Customer Service System Maintenance and Support

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### SUMMARY

SCV Water currently utilizes the enQuesta v6 platform to manage its more than 78,000 customer accounts. enQuesta is a customer information system solution for mid-sized utilities created and supported by Systems & Software, Inc (S&S.) The current support and maintenance contract expires December 31, 2023. Staff recommends the Agency renew its contract for another year of seamless support and maintenance with S&S. This contract is a one-year agreement which includes the internal billing application used by the Agency, external customer interface, cloud hosting, upgraded security and disaster recovery features, and integrations with third party applications and reporting systems.

### DISCUSSION

To maximize operational efficiencies and minimize downtime, the Agency consolidated its three legacy customer information systems to a single cloud-hosted solution, enQuesta. The final phase of that effort was completed in May 2022 when legacy Santa Clarita Water Division (SCWD) accounts were converted. As part of that project, the Agency launched a new, universal bill format and external customer portal for all customers. The portal was configured to support the future implementation of the Smartworks Meter Data Management Solution (MDMS.)

In February 2023, the Board approved the expansion of the Agency's billing system platform by authorizing the purchase and implementation of the Smartworks MDMS module. Upon project completion, this system will communicate with the Agency's two AMI (Advanced Metering Infrastructure) metering systems, MasterMeter and Sensus, to receive customer consumption data and cleanse it for analysis, billing and reporting. The system will integrate with the Agency's ESRI (Environmental Systems Research Institute) GIS (Geographic Information System) mapping database and the online customer portal, making near-real time usage available to all services with AMI-capable meters. Further, providing near-real time access to consumption data through the customer portal by June 2025 is a conditional requirement of the \$2 million AMI Meter Changeout grant awarded to the Agency in September 2022. Overall, Smartworks will improve operational efficiencies, water conservation and lead to financial savings.

enQuesta is an enterprise solution with cross-platform integrations. Support costs have been broken down into the following categories as reflected in the chart on the next page: Support,

Hosting & Oracle, Security, 3<sup>rd</sup> Party, Mobile Workorder, Customer Portal, CSI AMI and Smartworks MDMS.

The following is the categorical breakdown of the maintenance and support renewal:

**Support** is the traditional support of the application and its reporting structure and systems operation. This includes custom reports that the Agency depends on for financial forecasting, analysis, and information intelligence (conservation, rates, etc.). Support is structured based on the number of accounts serviced.

**Hosting & Oracle** is the combination of both the cloud-hosting of the application on S&S managed servers, and the Oracle licenses necessary to host the systems data. The Oracle environment includes licenses for the application production environment, the application test environment, and operational redundancies. Cloud-hosting allows for operational efficiencies, scalability, and improved security.

**Security** includes advanced licensing for data security of the Oracle database. This additional security provides encryption and Oracle-specific data recovery through a proprietary solution.

**3<sup>rd</sup> Party Integrations** category includes the support of integrations with other Agency application solutions. This includes the conservation application, customer portal and phone/online bill pay system, Cognos report writer and multiple backend applications such as Winfast, Red Hat and Microfocus.

**Mobile Workorder** is the enQuesta Link application that allows direct work order assignments from the office to the field. The Agency has gained operational efficiencies from what was once a manual process that at times took days for communication and scheduling, to instant work queues that are managed from office to field with a few clicks. This has led to quicker customer responses and more efficient use of field resources, such as truck trips and scheduling. Most recently, the Agency expanded use of enQlink by the Water Systems staff for the collection of customer service line material data.

The **Customer Portal** is the branded Capricorn customer interface. This is the online space in which the customer can manage his/her account, view and pay bills, set notifications and alerts at any time from any device. This platform will integrate with the meter data management application, Smartworks, that is currently under implementation, allowing for real-time usage monitoring for customers with AMI.

**CSI AMI** is a new line item in the support contract. It encompasses the integration between the enQuesta platform and the Smartworks MDMS system to ensure seamless communication between the two systems.

**MDMS SAAS** is a new line item in the support contract. This covers the Smartworks Meter Data Management System SaaS (software as a service) platform approved for implementation by the Board in February 2023. This platform gathers raw usage data from the metering networks and performs validation and editing to cleanse for billing, analysis, reporting and monitoring. It delivers accurate, real-time usage data to enQuesta and the online customer portal.

On November 20, 2023, the Finance and Administration Committee considered staff's recommendation to approve a contract renewal with Systems & Software, Inc. for enQuesta customer service system maintenance and support.

## STRATEGIC PLAN NEXUS

This contract renewal helps to support SCV Water’s Strategic Plan Strategy A.1 – “Provide ‘best in class’ customer service,” as well as Strategy F.3 – “Implement integrated technology and applications across the organization.”

## FINANCIAL CONSIDERATIONS

The maintenance and support contract for the one-year agreement totals \$537,323 as reflected in the chart below and in the attached quote from S&S (Attachment 1). Funds for this renewal were anticipated and are included in the FY 2023/24 and FY 2024/25 Tech Services Expense Budget.

### S&S ANNUAL MAINTENANCE & SUPPORT RENEWAL CONTRACT COMPARISON

<u>ITEM</u>	<u>2023</u>	<u>2024</u>	<u>% of Increase</u>
Support	\$ 138,226	\$ 145,137	5.00%
Hosting & Oracle	\$ 115,437	\$ 121,209	5.00%
Security	\$ 20,075	\$ 21,079	5.00%
3rd Party Integrations	\$ 38,635	\$ 40,567	5.00%
Mobile Workorder	\$ 37,498	\$ 39,373	5.00%
Customer Portal	\$ 34,491	\$ 36,215	5.00%
CSI AMI*	\$ -	\$ 12,667	
Smartworks MDMS*	\$ -	\$ 121,074	
<b>TOTAL</b>	<b>\$ 384,363</b>	<b>\$ 537,323</b>	

\*Module implementation 2024

## RECOMMENDATION

The Finance and Administration Committee recommends that the Board of Directors authorize the General Manager to enter into a one-year maintenance and support agreement with S&S in the amount of \$537,323 for enQuesta customer service system maintenance and support.

CP

Attachment

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September 20, 2023

**Santa Clarita Valley Water Agency**  
24631 Avenue Rockefeller  
Valencia, CA 91355  
Attn: Kathleen Wilson

**RE: 2024 Maintenance Quote – enQuesta**

Dear Kathy,

Thank you for your business. Over the past year, S&S has introduced various product and service improvements. Our product enhancements often result from client feedback, as S&S strives to help you serve your customers well. We resumed the Product Advisory Committee process, and we expect lots of excellent suggestions from our clients once again this year. We also resumed HCTC in person and are looking forward to this year's event.

Your annual maintenance ensures that you have access to support staff to answer questions and address issues every weekday from 8:00am to 6:00pm, eastern time, and after-hours pager support. S&S also provides defined support levels to prioritize your business needs, access to training sessions, our annual HCTC conference, and regular updates on functionality.

We have been working hard to continually add value to your investment in Version 6. Some of the features that were added to your software in 2023 include:

**Work Orders:**

- Streamlined the Work Order Mass Create process and provide more flexibility
- Improvements to Type Configuration, Items, Penalty Codes, Field Order Management and Integration

**Security:** Granular security assignments now available for Admin Portal programs

**Job Scheduler options now available:**

- Standard payment upload
- Water usage reports
- Send specific emails regarding jobs

**Invoice Cloud:**

- Added configuration to allow us to only send active and final bills
- Configuration to send new accounts the day that they are created to facilitate online deposit payments

**Other Improvements:**

- Edit and modify ACH files
- Discount rates can skip sales tax
- Bill print can display up to 36 months in the graph
- Installments and Credit Refunds have been further streamlined
- Email Addresses validated for proper format when entered by CSR
- CustomerBillingAPI - Last four of SSN or TIN now available for validation by IVR and other systems that use this;

Continuing to add value, we have also built the following add-on products including:

- **ERC 2.0:** the next generation of enQuesta's Reporting Portal. This provides auditable and secure access that is easier to use when viewing and managing reports, documents, and files on the server as well as file transfer.
- **Work Order Approvals:** additional functionality allows you to control which work order types require approval to create or complete, managed through a new work queue.

S&S has always been committed to maintaining the stability and security of its systems through ongoing maintenance, constant security monitoring, and the proactive application of security patches. However, with the recent increase in security threats seen by our customers, S&S has been making significant investments in resources and tools over the last year improving the security of the enQuesta application with a focus on implementing security best practices in our software development and support operations. These investments will result in a more dependable and secure enQuesta environment that adheres to industry's application security best practices.

S&S has also invested in new resources and processes to support your needs better. Our Customer Success Manager model ensures that you have a defined person to advocate on your behalf. You will also continue to work with your Account Executive to connect with you about strategic priorities and any additional service enhancements you would like to offer your customers. Our success is based on your ability to serve your customers effectively. S&S appreciates the opportunity to help you grow.

The yearly maintenance amount from January 1, 2024, to December 31, 2024, has been revised to the following:

Product	Support Period	Total Invoice
enQuesta Support	January 1, 2024 - December 31, 2024	145,137.23
Third Party Maintenance	January 1, 2024 - December 31, 2024	40,567.23
Capricorn Self Service portal support	January 1, 2024 - December 31, 2024	36,215.33
Oracle (5) Licenses maintenance	January 1, 2024 - December 31, 2024	23,422.25
Oracle Advanced Security/Dataguard Disaster Recovery	January 1, 2024 - December 31, 2024	21,078.75
Hosting	January 1, 2024 - December 31, 2024	97,786.92
enQuestaLink Support	January 1, 2024 - December 31, 2024	39,373.39
CSI AMI Maintenance	January 1, 2024 - December 31, 2024	12,667.20
MDM SAAS	January 1, 2024 - December 31, 2024	121,074.45
<b>Total 2024 Renewal</b>		<b>\$537,322.75</b>

**S&S Terms and Conditions:**

1. This quote is valid for all current services as of January 1, 2024, to December 31, 2024, and subject to change based on future services or change orders offered after the effective date.
2. Except as otherwise set forth herein, this maintenance renewal will be subject to the terms and conditions of the existing support and maintenance agreement between you and S&S. Any changes to support maintenance will be contained in separate quotes related to modifications or enhancements that you request.
3. Please provide an authorized signature indicating your acceptance of this quote for 2024 Maintenance Services.

Systems & Software appreciates the opportunity to be of continued service and values your business. If there are any questions about this quote, please do not hesitate to reach out to your Customer Success Manager.

**IN WITNESS WHEREOF**, the undersigned have executed this AGREEMENT on the dates listed below:

Customer/Organization: **Santa Clarita Valley Water Agency**

Date: \_\_\_\_\_

\_\_\_\_\_  
**Santa Clarita Valley Water Agency**

Date: 9/20/2023

*Michelle Gamble*

\_\_\_\_\_  
Michelle Gamble, Director of Customer Success

**Each individual** signing this agreement directly and expressly warrants that they have been given and has received and accepted authority to sign and execute the agreement on behalf of the party for whom it is indicated. They have further been expressly given and received and accepted authority to enter into a binding agreement on behalf of such party concerning the matters contained herein and as stated herein.

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# **SYSTEMS & SOFTWARE (S&S) SUPPORT & MAINTENANCE CONTRACT RENEWAL**

**Board of Directors Meeting**

**December 5, 2023**

# SOME HISTORY

enQuesta is SCV Water's cloud-hosted Customer Information System (CIS) solution

- At Agency's formation – three separate CIS billing systems
- Nov 2019 – Converted legacy NWD services
- May 2022 – Converted legacy SCWD services
- May 2022 – Upgraded to v.6 with universal bill format
- May 2022 – Deployed new online Customer Portal, Capricorn, and new third-party payment platform, Invoice Cloud

# DEVELOPMENTS

- June 2022 – Awarded a \$ 2.1m grant from the Federal Bureau of Reclamation WaterSmart Water Energy Efficiency Grant (WEEG) for the Advanced Meter Infrastructure (AMI) project
  - Conditional requirement is the availability of near real-time consumption data in the online customer portal by the end of the funding period, June 2025

# WHERE WE ARE NOW

- Sep 2022 – Began AMI Meter Changeout Program
- Feb 2023 – Received Board of Directors' approval for implementation of the SmartWorks Meter Data Management System (MDMS) module
- May 2023 – Began SmartWorks MDMS Implementation

Support and Maintenance costs are broken down into the following *eight* categories:

# 1 - SUPPORT

Account #: WATER

Quick Search: Customer Name

SUMMARY > BALANCE & STATUS > BILLING > PAYMENTS > PREMISE & DEVICES > USAGE > WORKFLOW >

Account # Old Account # Active Code Status Code

Past Facts E-Bill No Paper Bill Cotenant ACTIVE NORMAL

WaterSmart WaterSmart

Credit Score - A

Service Address STEVENSON RANCH, CA 91381

Services WATER - 1 - NORMAL WATER; METER# 8466148; REGISTER 1 CUBIC FEET ADD... (WTR ON); AMR# 10695058; HIGH CAPACITY 34"

Premise Info 35 - CYCLE 35

Route 3531 - ROUTE 3531

Service Area 3 - REGION 3

Tax District 1 - VALENCIA

Mailing Address STEVENSON RANCH, CA 91381 (661)222-9911

Account Calendar

29	30	31	1	2	3	4
SUN	MON	TUE	WED	THU	FRI	SA
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	2

Workflow History

Account Summaries

Balance and Credit Summary

Code	Read Co...	Reading Da...	Reading	Usage
READ	Remote	10/17/2023	1477	13
READ	Remote	09/19/2023	1464	12
READ	Remote	08/21/2023	1452	15
READ	Remote	07/24/2023	1437	18
READ	Remote	06/23/2023	1419	14
INRD	Interim	06/01/2023	1393	0
READ	Remote	05/24/2023	1405	12
READ	Remote	04/26/2023	1393	10
INRD	Interim	03/17/2023	1384	8
READ	Remote	03/29/2023	1383	7
READ	Remote	03/01/2023	1376	7

Summary History

Tran.	Date	Amount	Balance	Payment
BILL	11/02/2023	\$58.16	\$58.16	\$55.79
CASH	11/02/2023	-\$58.16	-\$58.16	\$57.90
BILL	10/05/2023	\$55.79	\$55.79	\$2.00
CASH	10/05/2023	-\$57.90	-\$57.90	\$1.00
CASH	10/04/2023	-\$2.00	-\$2.00	\$59.90
CASH	10/04/2023	-\$1.00	-\$1.00	\$69.12
BILL	09/13/2023	\$62.90	\$62.90	\$57.16
CASH	08/21/2023	-\$2.00	-\$2.00	\$52.72
CASH	08/19/2023	-\$69.12	-\$69.12	\$48.28
BILL	06/01/2023	\$69.12	\$69.12	\$41.62
CASH	05/04/2023	-\$57.16	-\$57.16	\$41.62

Usage Summary

Payment Date	Type	Posting Date	Amount	Balance
11/02/2023	WATER	11/02/2023	\$58.16	\$58.16
10/05/2023	WATER	10/05/2023	\$57.90	\$57.90
10/04/2023	WATER	10/04/2023	\$1.00	\$55.79
08/21/2023	WATER	08/21/2023	\$2.00	\$57.90
08/18/2023	WATER	08/18/2023	\$69.12	\$69.12
08/03/2023	WATER	08/03/2023	\$57.16	\$57.16
07/06/2023	WATER	07/06/2023	\$52.72	\$52.72
06/01/2023	WATER	06/01/2023	\$48.28	\$48.28
05/04/2023	WATER	05/04/2023	\$41.62	\$41.62
04/06/2023	WATER	04/06/2023	\$41.62	\$41.62

SCV WATER  
24631 Avenue Rockefeller  
Valencia, CA 91355  
(661) 294-0828

Account Number \$ 58.16  
Total Amount Due 11/17/2023  
Current Charges Due

Manage and pay your account at yourSCVwater.com

Name: SCV Water  
Location: 24631 Avenue Rockefeller  
Address: Valencia, CA 91355  
Phone: (661) 294-0828

Bill Period: 09/19/2023 - 10/17/2023  
Days This Period: 28  
Invoice #: 15599669  
Invoice Cycle: 35

Meter: 8466148  
Prior Read: 1477  
Current Read: 1477  
Usage: 13

Units: 7  
Outdoor Allocation: 8  
Indoor Allocation: 15  
Total Usage: 23

Gallons: 5,236  
Outdoor: 5,984  
Indoor: 11,220  
Total: 9,724

Your Water Use Was: Efficient  
Assigned Landscaped Area in SF: 1,685  
Gallons Used per Day: 347

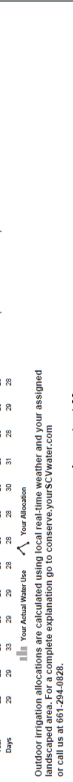
General Water Usage Detail

Efficiency Rating	% of Allocation	Per Unit	Price	Billed Usage	Cost of Usage
Super Efficient	100%	Indoor	2,370	8	\$ 18.96
Efficient	100%	Outdoor	2,370	5	11.85
Inefficient	101-150%		0.000	0	0.00
Excessive	151-200%		0.000	0	0.00
Wasteful	Over 200%		0.000	0	0.00
Total	Variable Water Charge			13	\$ 30.81

Prior Balance \$ 55.79  
Payments -\$55.79  
Balance Forward \$ 0.00

Current Charges

3/4 INCH RES METER	\$ 20.85
LEGACY DEBT	6.50
VARIABLE WATER CHARGE	30.81
Total Current Charges	\$ 58.16
Balance Forward	\$ 0.00
Total	\$ 58.16



Outdoor irrigation allocations are calculated using real-time weather and your assigned landscaped area. For a complete explanation go to conserve.yourSCVwater.com or call us at 661-294-0828.

**Important Messages**

Need help paying your water bill? Apply for SCV Water's pilot Ratepayer Assistance Program (RAP). RAP was developed to help some low-income residential households stay current on their water bills. If you are a So Cal Edison or Gas "CARE" participant and are serviced by a 1" or smaller water meter, you may be eligible to receive a \$10 monthly credit towards your next service charge up to a 12-month period during the fiscal year. Funds are limited. Customers must pay their past due bills may be eligible for assistance from the Low-Income Household Water Assistance Program (LIHWAP). LIHWAP is a federally funded program that offers a one-time payment to customers whose total household gross income is at or below 60% of the State Median Income or a household member is a current recipient of CalFresh or CalWORKS. For additional information on eligibility and enrollment, visit the California Department of Community Services and Development website at <https://www.cdss.ca.gov/Programs/REGISTRATION/ProgramPages/Pages/assn.aspx>, a MasterCard and electronic checks, free of convenience fees. To pay by phone, have your SCV Water account number handy and call (844) 350-4354.

Please detach and return bottom portion with payment or pay your bill online. Visit yourSCVwater.com for all your payment options.

Payment Coupon

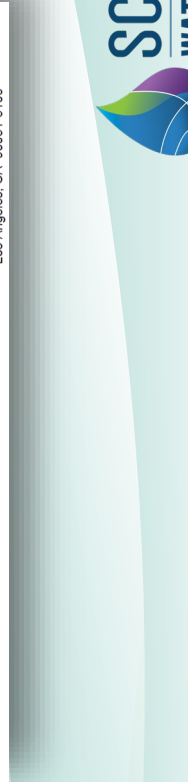
SCV Water  
24631 Avenue Rockefeller  
Valencia, CA 91355  
(661) 294-0828

Account Number: 1108/2023  
Invoice Date: 09/19/2023 - 10/17/2023  
Location Address

Balance Forward \$0.00  
Charges Due 11/17/2023 \$58.16  
Total Amount Due \$58.16

Please use only blue or black ink when writing a check.

SCV Water - Valencia Division  
PO Box 515106  
Los Angeles, CA 90051-5106



# 2 - HOSTING & ORACLE

Santa Clarita Valley Water Agency

CIS.Connected

Username \_\_\_\_\_

Password \_\_\_\_\_

**Log in**



**service-link**

**Login**

User


Password

Business Unit

**Login**

**SMARTWORKS COMPASS**

Sign in options:

-  SmartWorks Staff
-  SCV
-  Compass Application Login



# 4 – SECURITY

Patching

Confidentiality

Integrity

Availability



Disaster Recovery



# 5 - CUSTOMER PORTAL



[Refresh](#) | [Logout](#)

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**Welcome to Account Dashboard.**  
A convenient way to check on your account details and information that matters. Alerts, recent usage and bill details allow you to monitor your usage and control your utility bill costs.

Account ID: 123456789

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**Account Details**

**Address:**

**Name:**

**Current Balance:** \$0.00

**Pending Charge:** (\$55.79)

**Pay Plan:** Autopay

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**My Current Bill**

**Current Balance:** \$0.00 due Oct 20, 2023

You are enrolled in our Pre-authorized Payment plan. Payment is not required as we will automatically withdraw payment.

[View My Current Bill](#) | [Pay Bill](#)

**My Recent Usage**

**Water**

You used 1 CCF more water compared to your previous bill

Usage on your current bill, read on **Oct 17, 2023** 13 CCF

Usage on your previous bill, read on **Sep 19, 2023** 12 CCF

**Why was your usage more?**

The average temperature in your current billing period was **68.7F** compared with **66.5F** in your previous billing period.

**View History**  
See how you compared in previous billing periods.

**My Recent Account Activity**

Date	Description	Amount
Nov 02, 2023	IC Web CC	\$55.79
Oct 04, 2023	IC Web CC	\$57.90
Oct 03, 2023	IC Web CC	\$2.00
Oct 03, 2023	IC Web CC	\$1.00
Aug 18, 2023	IC VR CC	\$2.00

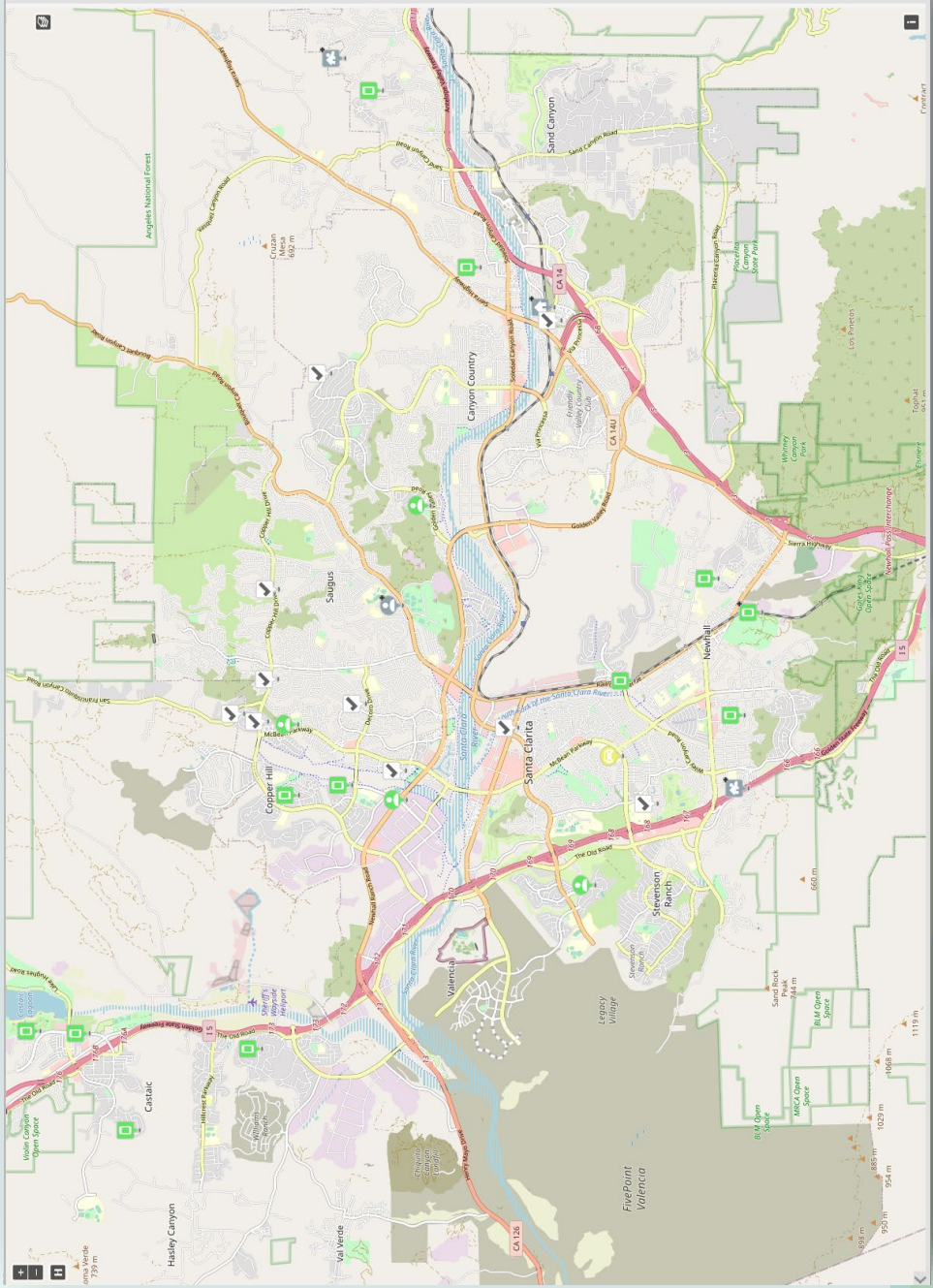
**My Usage**

**Water Usage Chart**

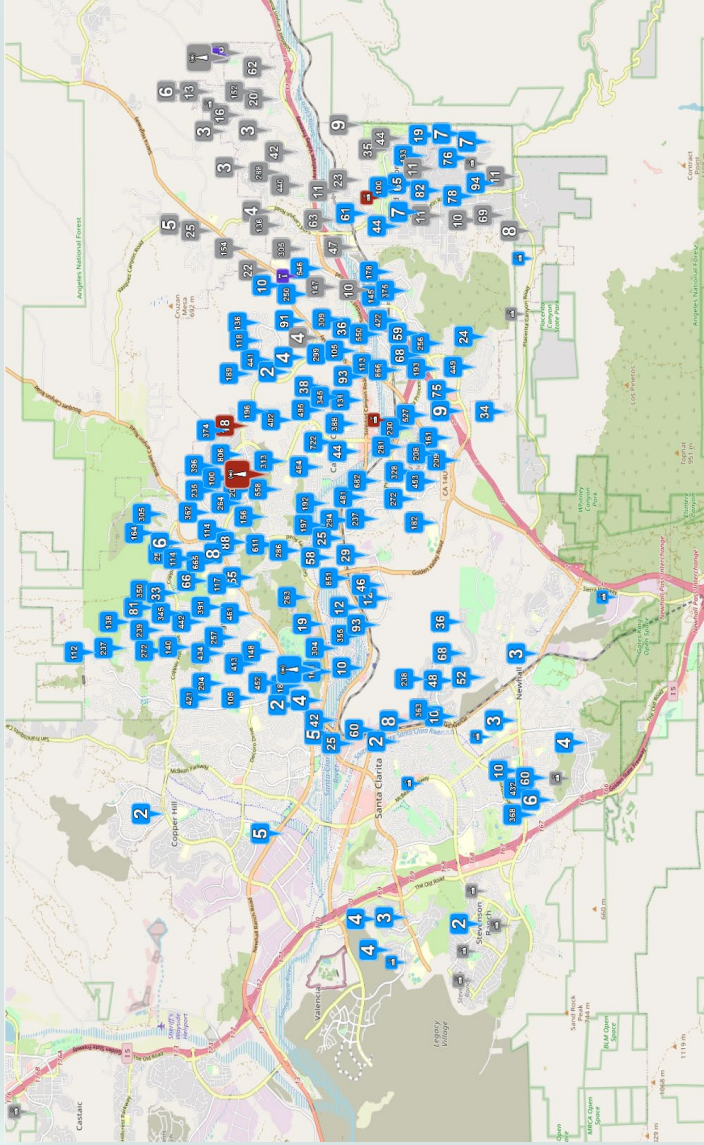
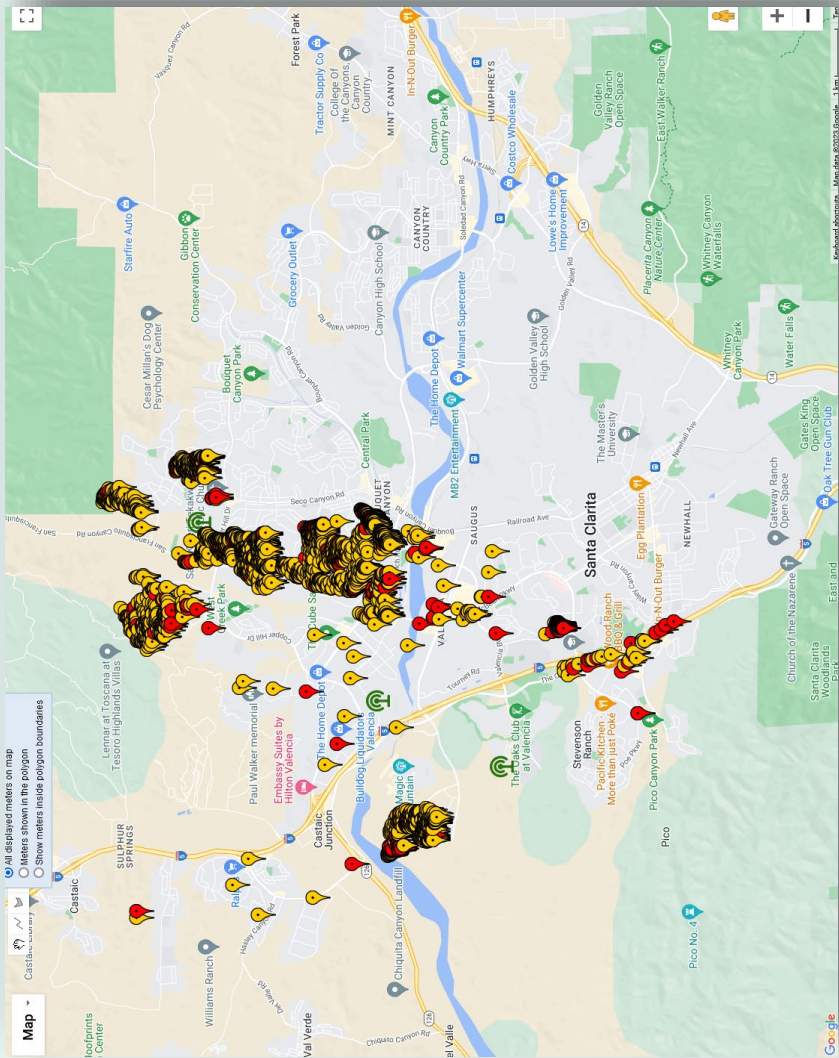




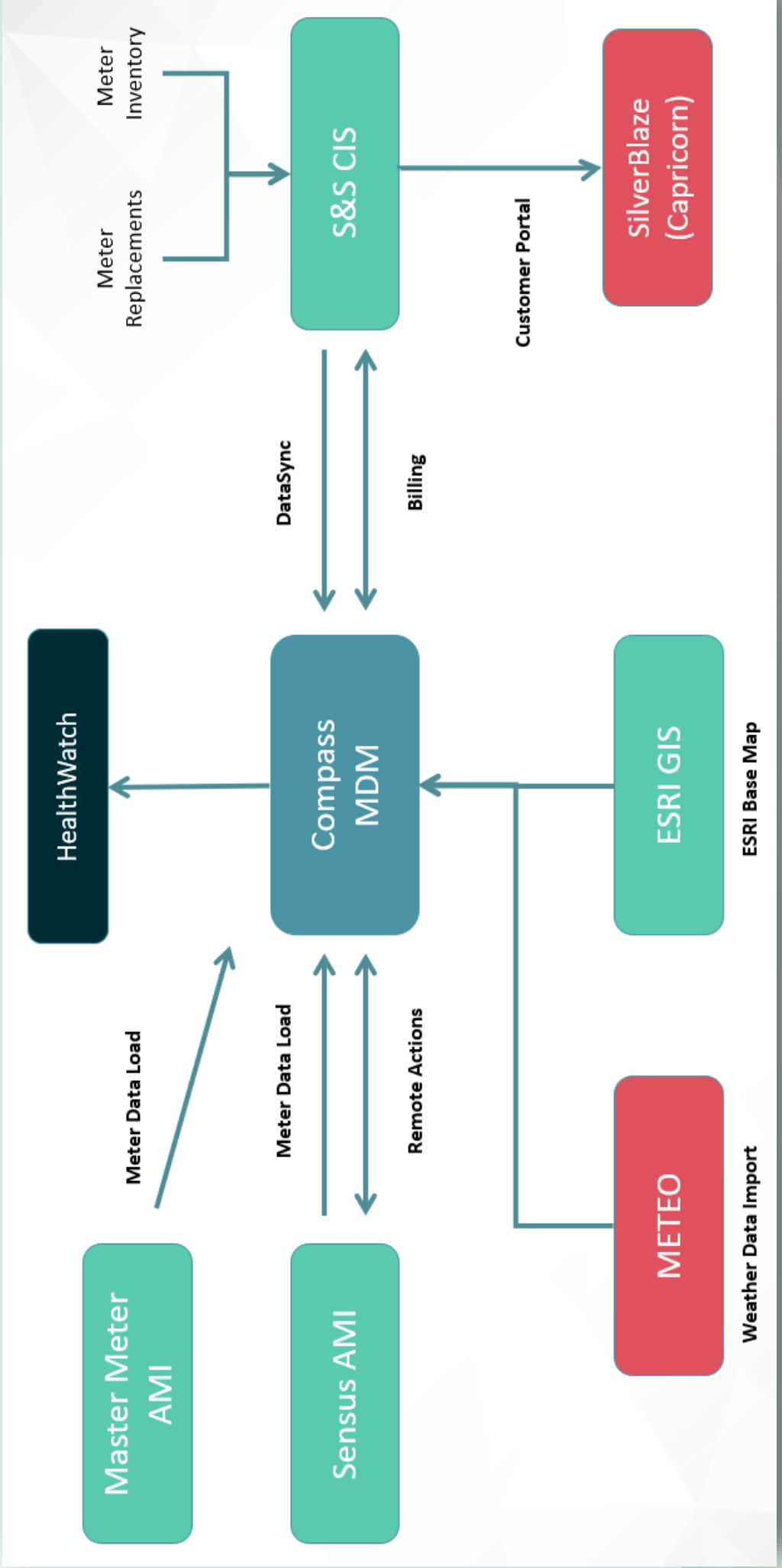
# 6 – MOBILE WORKORDER SOLUTION



# 7 - CSI AMI



# 8 – SMARTWORKS MDMS



# S&S ANNUAL MAINTENANCE & SUPPORT RENEWAL CONTRACT COMPARISON

ITEM	2023	2024	% of Increase
Support	\$ 138,225.93	\$ 145,137.23	5.00%
Hosting & Oracle	\$ 115,437.30	\$ 121,209.17	5.00%
Security	\$ 20,075.00	\$ 21,078.75	5.00%
3rd Party Integrations	\$ 38,635.46	\$ 40,567.23	5.00%
Mobile Workorder	\$ 37,498.47	\$ 39,373.39	5.00%
Customer Portal	\$ 34,490.79	\$ 36,215.33	5.00%
CSI AMI*	\$ -	\$ 12,667.20	
Smartworks MDMS*	\$ -	\$ 121,074.45	
<b>TOTAL</b>	<b>\$ 384,362.95</b>	<b>\$ 537,322.75</b>	

# RECOMMENDATION

The Finance and Administration Committee recommends that the Board of Directors authorize the General Manager to enter into a one-year maintenance and support agreement with S&S in the amount of \$537,323 for enQuesta customer service system maintenance and support.

# THANK YOU



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## BOARD MEMORANDUM

**DATE:** November 21, 2023

**TO:** Board of Directors

**FROM:** Rochelle Patterson *RP*  
Chief Financial and Administrative Officer

**SUBJECT:** Approve Receiving and Filing of September 2023 Monthly and FY 2023/24 First Quarter Financial Report (July – September 2023)

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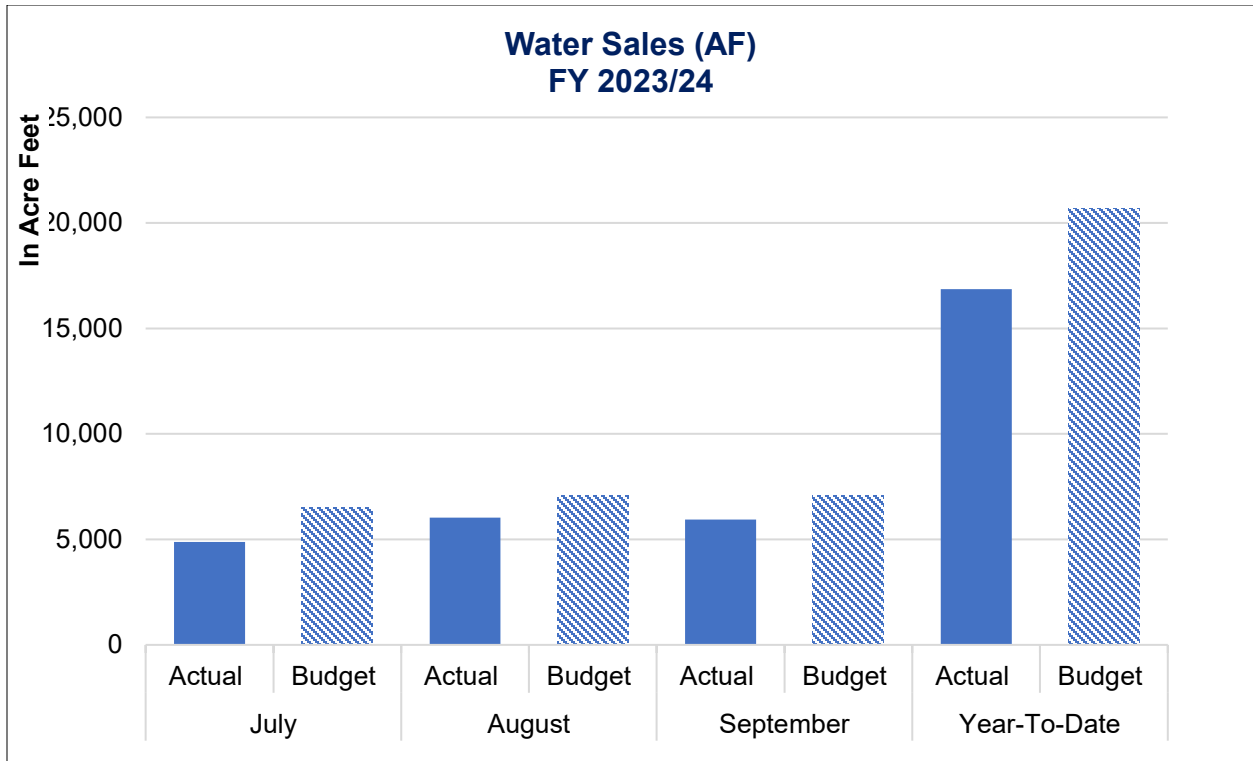
Below is the September 2023 Monthly and FY 2023/24 First Quarter Financial Summary, unaudited (July– September 2023) as actual audit results may vary. This report reviews the financing activities for the quarter and compares the FY 2023/24 Budget to actual revenues and expenditures for the operating and capital budgets currently recorded.

### **FY2023/24 First Quarter Highlights**

- Received credit rating upgrade for S&P from AA to AA +.
- Adopted the POS and successfully sold 2023 revenue bonds, AIC 2.85%.
- Reviewed several financial scenarios.
- Received approval of a resolution authorizing the General Manager to disburse funds from the State Water Contract Fund, subject to adjustments, in a timely manner to meet the Water Supply Contract payment obligations due during FY 2023/24.
- Received approval of revised Purchasing Policy.
- Received approval of a two contract with Premier Property Preservation for Janitorial Services.
- Discussed recommended actions for the ground lease property at 22722 Soledad Canyon Road.
- Received approval of a revised Ratepayer Advocate Process.
- Received an approval of revised Position Control for the Treatment, Distribution, Operations and Maintenance Section (TDOMS).
- Received an approval of a revised Surplus Policy.
- Staff completed the interim audit work with our outside CPA (Certified Public Accountant) firm, LSL (Lance, Soll & Lunghard, LLP). The auditors will be completing the audit at the end of October 2023 and the first week of November 2023.

### **Water Production and Sales**

Total water produced for retail consumption from July – September 2023 was 18,532 acre-feet (AF), comprised of 3,318 AF of groundwater and 15,215 AF of surface water. Total water sales were 16,853 AF (based on billing date), which is a decrease of 18% from the budgeted projection of 20,675 AF for the first quarter.



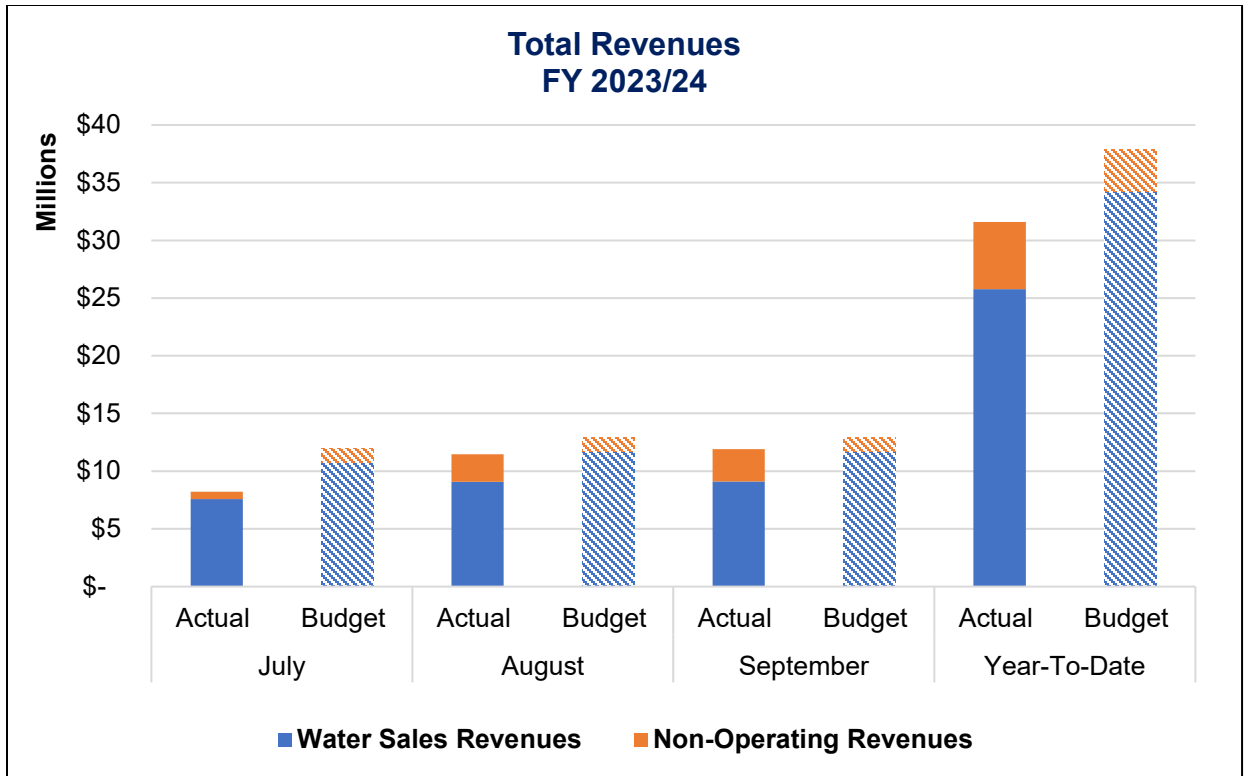
## Revenues

Total water sales for the quarter were \$25.8 million, which was a reduction of 25% compared to the budget of \$34.2 million. Actual water sales are lower than budgeted based on conservation efforts, slower growth than projected and weather. The Agency reported that we have had 6.02 inches of rainfall since the beginning of the fiscal year.

Certain revenues and expenses are budgeted based on seasonal trends or expectations. Water sales revenues and chemicals were budgeted based on seasonal demand and production history, whereas purchased power is budgeted based on a 10-year trend. Typically, a higher percentage of revenues are received in the summer months than in the winter months. Revenues such as property taxes are budgeted in specific months, based on expectation of when taxes are due. A majority of taxes are received in December and April of each year.

### Revenues

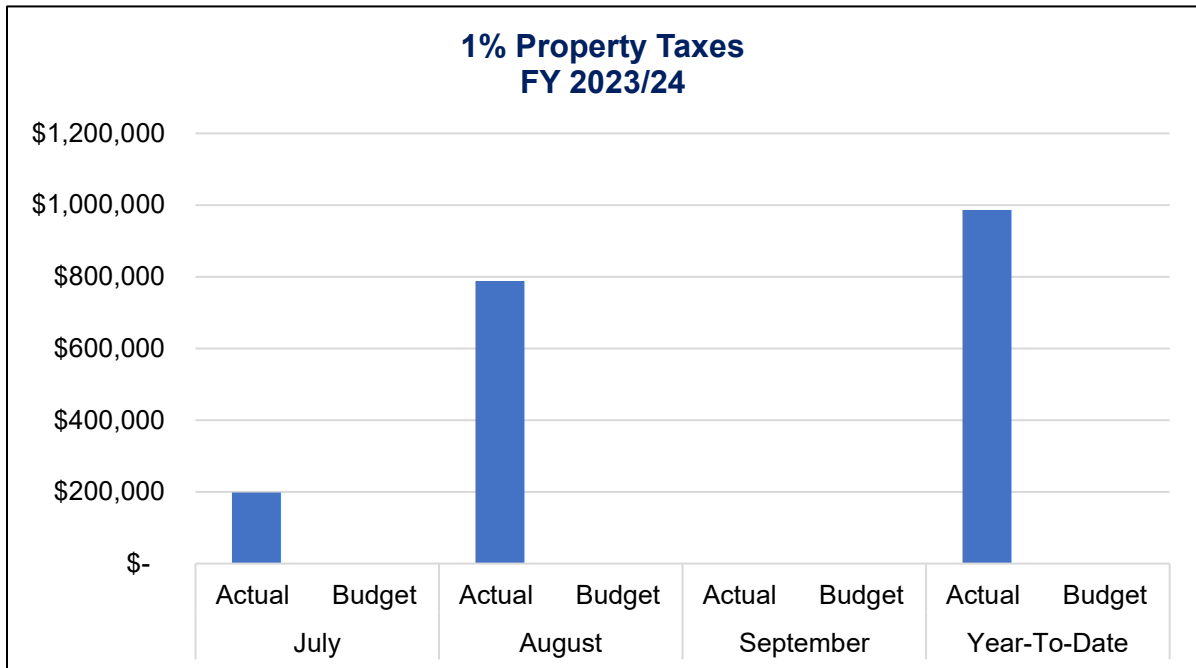
Overall, FY 2023/24 total revenues through September 2023 (operating and non-operating) of \$31,597,467 were 17% (\$6,245,148) under the budget of \$37,842,615.



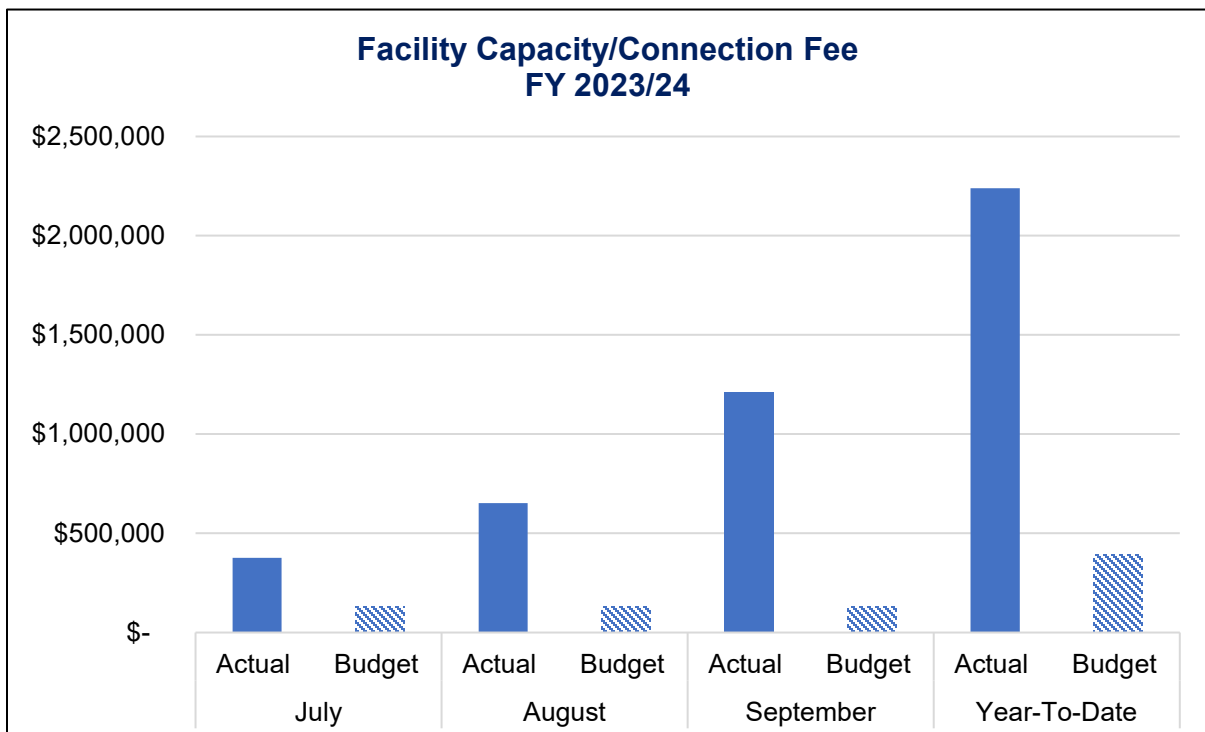
Significant year-to-date changes from the Budget are as follows:

- Water sales are under budget by 25% which consists of the following:
  - Residential water sales under budget by 22% (-\$4,170,134)
  - Landscaping/Irrigation water sales were under budget by 35% (-\$2,511,142)
  - All other water sales were under budget by 22% (-\$1,862,759)
  - The total number of billing connections added through September 2023 for FY 2023/24 was 96 out of the 1,068 projected for the year.

- Property tax (1%) received in the 1<sup>st</sup> quarter was \$986,524.



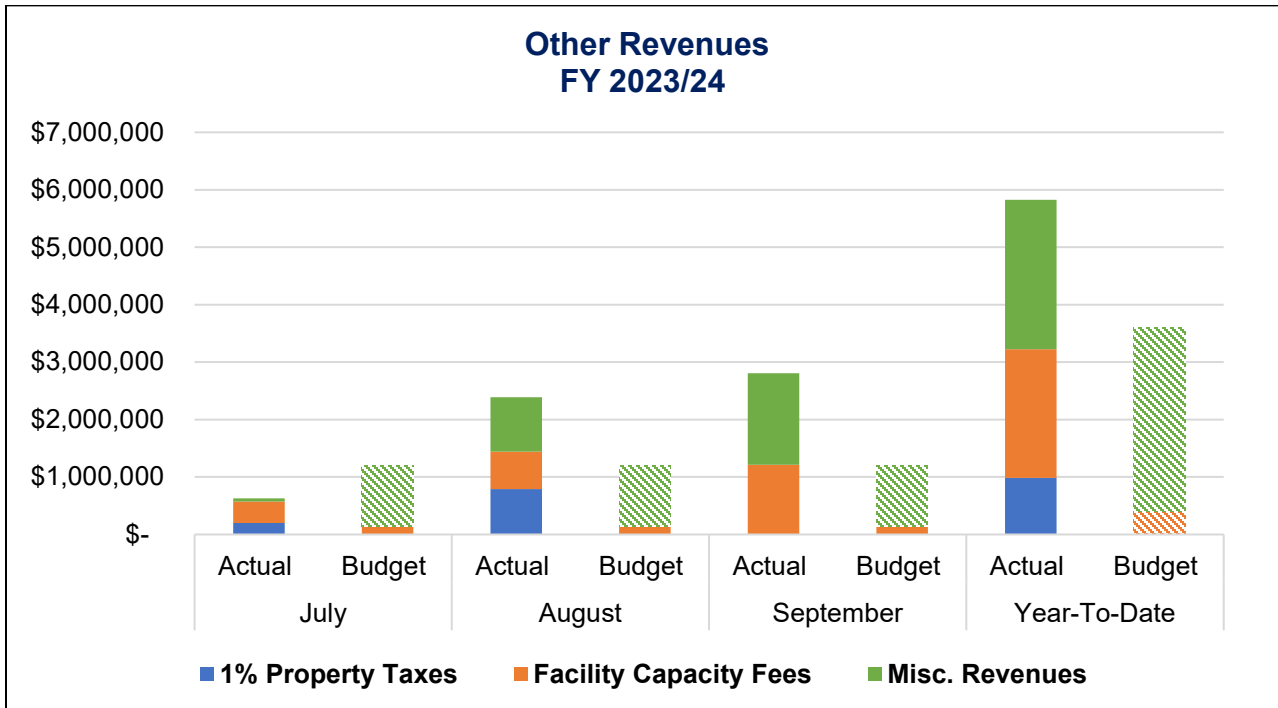
- Facility/Retail Capacity Fees received in the 1<sup>st</sup> quarter were \$2,238,859. Regional Facility Capacity Fees collected were \$2,142,902 and \$95,957 in Retail Capacity Fees out of a budget of \$394,450.



**Fees Received**

Developers	1st Quarter		Year to Date	
	Total	#FCF	Total	#FCF
Lennar Homes	\$ 1,512,145	99	\$ 1,512,145	99
KB Homes	\$ -	0	\$ -	0
Tri Pointe Homes	\$ 308,294	26	\$ 308,294	26
Newhall Land and Farming	\$ -	0	\$ -	0
Toll Brothers, Inc	\$ 5,418	1	\$ 5,418	1
Richmond American Homes	\$ 130,038	6	\$ 130,038	6
Williams Homes	\$ -	0	\$ -	0
Other	\$ 187,007	10	\$ 187,007	10
<b>Total</b>	<b>\$ 2,142,902</b>	<b>142</b>	<b>\$ 2,142,902</b>	<b>142</b>

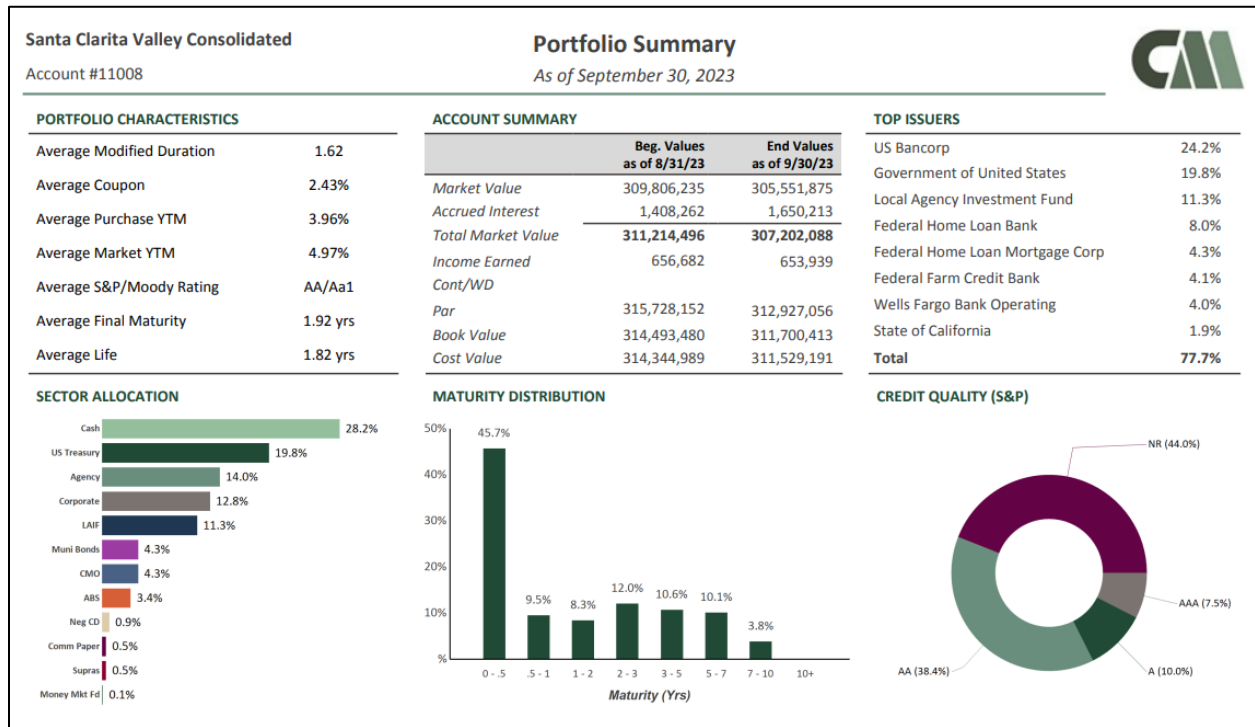
Other Miscellaneous revenues (grants, reimbursements, cell leases/rental income and investment revenues) received were \$2,597,681; approximately 19% under the budget of \$3,216,274.



## Investment Portfolio Summary as of September 30, 2023

As of September 30, 2023, the Agency has \$307,202,088 in short and long-term investments. The Agency's Investment Advisor has been investing a portion of the liquid investments, as well as reinvesting when existing investments mature.

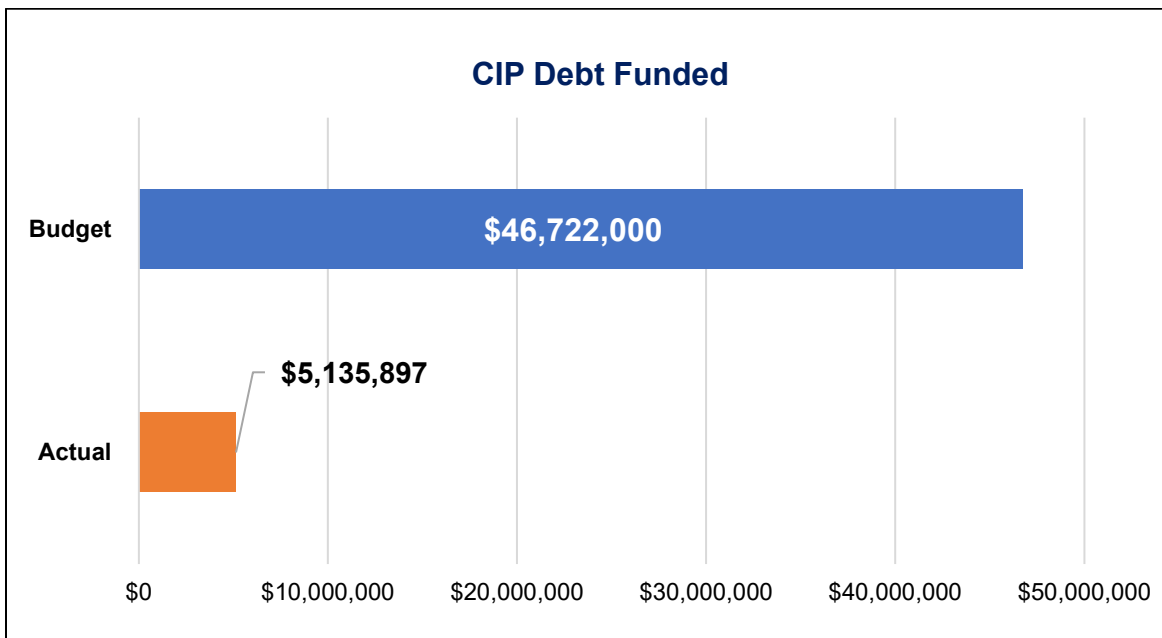
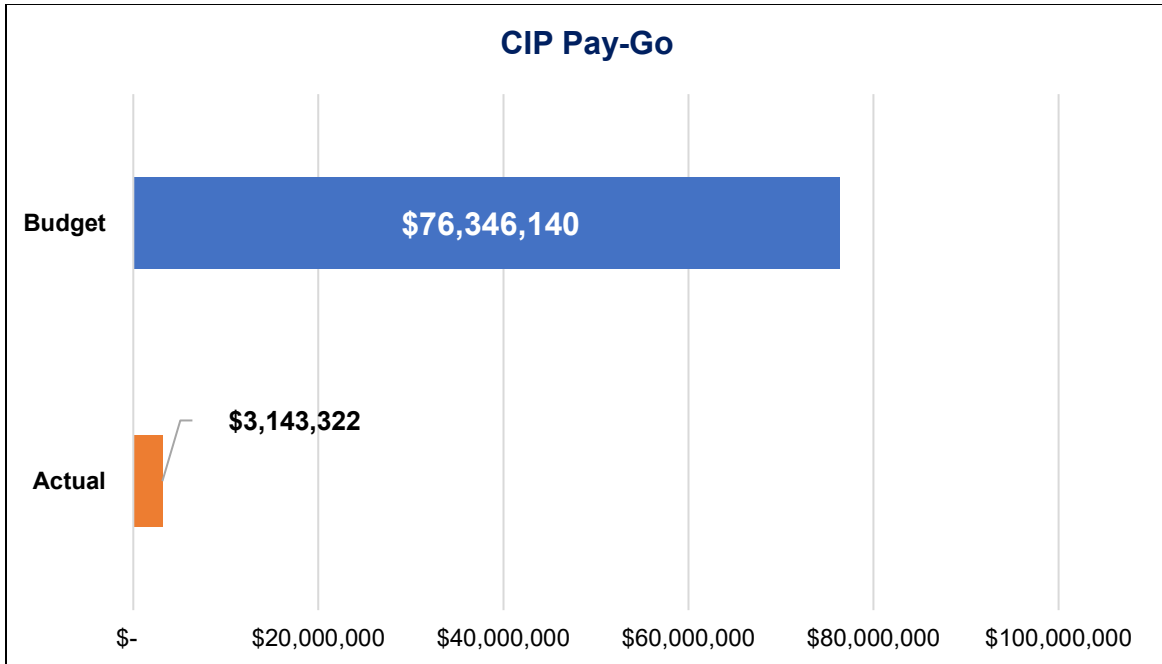
The Agency's average market yield to maturity is 4.97%. As of September 2023, the Agency has 24.2% in the US Bancorp, 19.8% invested in the United States Government, 11.3% invested in the Local Agency Investment Fund (LAIF), and 8% in Federal Home Loan Bank. The remaining 36.7% is invested in Federal Home Loan Mortgage Corporation, Federal Farm Credit Bank, Wells Fargo Bank Operating, State of California and a variety of certificates of deposits.



## Capital Improvement Program (Pay-go and Debt-Funded Projects)

In general, expenditures for CIP projects depend on bid timing and contract awards, coordination with other agencies, coordination with other projects, staffing levels and other such factors.

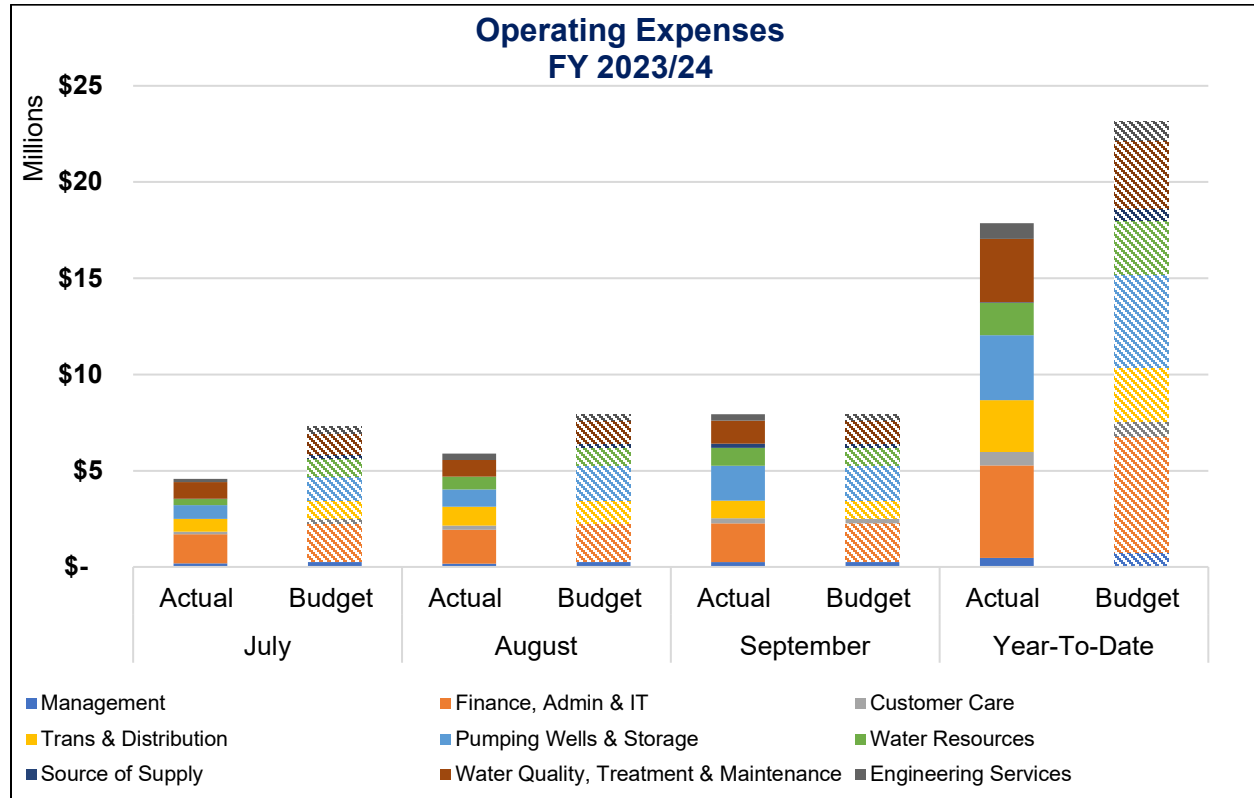
- The FY 2023/24 pay-go budget for Capital Improvement Program (CIP) expenditures was \$76,346,140. Of that amount, 4% or \$3,143,322 in funds have been expended.
- The FY 2023/24 debt-funded budget for CIP expenditures was \$46,722,000. Of that amount, 11% or \$5,135,897 in funds have been expended.



CIP project details are included at the end of this report.

## Operating Expenditures

FY 2023/24 operating expenditures of \$17,864,697 (through September 2023) were under budget by 23% (\$5,282,363) of the \$23,147,059 budget.



## Significant Activities

- Management – Under budget by 40% (\$306,745) primarily due to the timing of the timing of Perchlorate Litigation and Legal expenses, as well as reimbursement for litigation expenses
- Pumping, Wells and Storage – Under budget by 31% (\$1,476,325) primarily due to the timing of SCE (Southern California Edison) invoices
- Water Resources – Under budget by 40% (\$1,130,015) primarily due to conservation program expenses being less than expected due to lower program participation and timing of outside services and SCE (Southern California Edison) invoices.
- Source of Supply – Under budget by 94% (\$590,282) as a result of lower firming banking program expenditures driven by a wet year.

## Debt Service

The payment of \$30,768,269 was made in FY 2023/24. The principal debt outstanding as of September 30, 2023 is \$303,948,226. (Excluding the Valencia Water Division – VWD acquisition interfund loan and 1999A accreted interest)



## Capital Improvement Projects: Pay-Go Project List

Capital Pay-Go Projects		Project Numbers	FY 2023/24 Budget	FY 2023/24 Actual	%	Committed Cost
1	Abdale Street, Maplebay Court & Beachgrove Court Water Line Improvements	2402086	\$ 1,000,000	\$ 8,979	1%	\$ 30,860
2	Appurtenance Improvements & Replacements	2401072	410,000	50,427	12%	-
3	Asset Management	2402014	100,000	1,749	2%	-
4	Battery Energy Storage Project - SGIP	2403008	3,250,000	-	0%	140,050
5	Booster Station / Turnout Improvements Agency-wide	2401055	600,000	46,586	8%	16,841
6	Bridgeport Pocket Park	2400190	105,000	12,844	12%	8,348
7	BVRRB Storage , Recovery Program	2400191	3,250,000	-	0%	-
8	Catala Pump Station Pipelines (Bouquet & Central Park)	2402015	333,000	6,056	2%	11,788
9	Catala Pump Station	2402013	247,000	-	0%	-
10	Deane Pump Station at Sand Canyon Plaza	2400068	2,750,000	8,180	0%	68,398
11	Deane Pump Station at Skyline Ranch	2400022	350,000	4,942	1%	53,826
12	Deane Tank (One 2.08 MG Tank) at Skyline Ranch	2400010	3,500,000	13,591	0%	53,227
13	Deane Tanks - One 1.5 MG Tank at Sand Canyon Plaza	2400097	4,750,000	33,511	1%	65,070
14	Deep Monitoring Wells (GSA)	2403009	25,000.00	-	0%	-
15	Devil's Den Property Solar Project	2400218	100,000	-	0%	22,000
16	Dickason Pipeline Replacement	2401158	2,500,000	33,743	1%	247,343
17	Disinfection System Improvements , Replacements	2401046	1,100,000	61,800	6%	99
18	Dockweiler-Sierra Hwy Pipeline	2400897	75,000	-	0%	-
19	Equipment , Vehicle Improvements , Replacements	2401044	1,900,000	25,751	1%	496,178
20	ESFP Improvements , Replacements	2401073	1,755,000	73,908	4%	67,511
21	ESFP Two 5 MG Tanks Improvements	2401019	1,000	-	0%	-
22	ESIPS Improvements & Replacements	2401076	100,000	-	0%	-
23	External Agency Mandates - Pipeline Relocations	2403004	1,000,000	-	0%	-
24	Foothill Feeder Service Connection CLWA-0101T , CLWA-01 Pipe Repair	2402070	55,000	-	0%	-
25	Friendly Valley Booster Station (Crossroads)	2401025	100,000	-	0%	-
26	Friendly Valley Pipeline @ Via Princesa (Crossroads)	2401020	50,000	-	0%	-
27	Friendly Valley Tank (3.25 MG) @ Crossroads	2401026	100,000	-	0%	-
28	Golden Valley Pipeline @ Via Princesa (Crossroads)	2401021	50,000	-	0%	-
29	Golden Valley Road Bore , Jack	2402020	350,000	628	0%	-
30	Golden Valley Tank (1.6 MG) @ Crossroads	2401027	75,000	-	0%	-
31	Honby Pipeline Bottleneck	2400352	360,000	12,060	3%	22,289
32	Invasive Species Management	2401079	265,000	-	0%	8,353
33	Laboratory Improvements & Replacements	2401048	75,000	-	0%	-
34	McBean/Orchard Village Pipeline Replacement	2403003	250,000	13,171	5%	23,553
35	Meter & Meter Infrastructure Improvements & Replacements	2401043, 2401221	2,775,000	158,244	6%	76,709
36	MMP Inspection Access Modifications	2402085	125,000	16,624	13%	15,759
37	MM Pkwy , The Old Rd Recycled Water Relocation	2402081	150,000	14,797	10%	82,558
38	Newhall Tank 4 (1.5 MG Tank @ Wiley Canyon)	2403007	150,000	-	0%	-
39	Newhall Zone 1 Tank (3 MG) (ShadowBox Studios)	2403005	150,000	-	0%	-
40	Newhall Zone 4 Pump Station Revamp (Wiley Canyon)	2403006	200,000	9,418	5%	-
41	N Wells Drainage Improvements Project	2402050	248,000	31,795	13%	97,571
42	Office Improvements - Various	2401013	1,250,000	363,391	29%	21,448
43	Pipeline Relocations/Modifications	2400060	1,000,000	3,689	0%	2,000

## Capital Improvement Projects: Pay-Go Project List – continued

Capital Pay-Go Projects		Project Numbers	FY 2023/24 Budget	FY 2023/24 Actual	%	Committed Cost
44	Pipelines & Pipeline Improvements & Replacements	2401038, 2401039, 2401041, 2402017, 2403015, 2403034	2,165,000	98,462	5%	12,552
45	Pitches Pipeline Modifications	2401156	236,000	10,323	4%	-
46	Recycled Water Program Phase II, 2B - Vista Cyn Customer Conversion	2401034	250,000	1,542	1%	-
47	Recycled Water Program Phase II, 2D - West Ranch Customer Conversion	2401035	600,000	776	0%	36,697
48	Resiliency Water Master Plan	2400487	1,175,000	18,023	2%	267,962
49	Rio Vista - Paving Rear Access Road	2403062	300,000	-	0%	-
50	Rosedale Phase 2 Wells	2403012	1,061,800	-	0%	-
51	RVIPS Improvements & Replacements	2401075	540,000	-	0%	-
52	RVTP Improvements & Replacements (includes Access Gate Improvements)	2401074	2,495,000	36,942	1%	31,064
53	RWWTP Sewer Line	2401204	173,000	11,232	6%	49,028
54	RWWTP Turbidity Improvements	2403026	800,000.00	5,085	1%	545,497
55	RWWTP Underground Storage Tank Replacement	2400563	1,583,000	31,402	2%	565,265
56	Sand Canyon Sewer Line Relocation	2402028	212,000	8,778	4%	127,797
57	Saugus 3 & 4 Replacement Wells (Complete by 7/1/25)	2400080	12,330,000	1,049,447	9%	1,065,066
58	SCADA Improvements & Replacements	2401049	300,000	4,831	2%	-
59	Sierra Highway Bridge Expansion Water Pipelines Protection	2401155	262,000	14,443	6%	43,403
60	Smyth Drive Water Line Improvements	2402060	1,000,000	37,941	4%	33,514
61	Solar Array Improvements & Replacements	2402084	150,000	-	0%	-
62	Tanks & Storage Facility Improvements & Replacements	2401047, 2403016, 2403017, 2403018	1,600,000	92,283	6%	66,200
63	Technology Improvements , Replacements	2401033	3,710,000	647,856	17%	149,979
64	Update Water Conservation , Education Garden	2400571	1,920,000	-	0%	18,346
65	Valencia Marketplace Pipeline Replacement	2401029	2,400,000	26,680	1%	37,535
66	Water Demand Factor Software Development	2403010	50,000	-	0%	-
67	WaterSMART Targets Software Development	2403011	100,000	-	0%	-
68	Wells & Well Facility Improvements	2401045, 2401053, 2402135, 2403020	2,800,000	41,397	1%	21,317
69	Yuba Accord Water	2400679	1,154,340	-	0%	-
<b>Total CIP - Pay Go Projects</b>			<b>\$ 76,346,140</b>	<b>\$ 3,143,322</b>	<b>4%</b>	<b>\$ 4,702,998</b>

## Capital Improvement Projects: Debt Funded Project List

Debt Funded Capital Projects		Project Numbers	FY 2023/24 Budget	FY 2023/24 Actual	%	Committed Cost
1	Additional Wells (T7, U4, U6) (includes S1&S2 Wells VOC Treatment & Flexlend)	2400420	\$ 7,200,000	\$ 144,601	2%	\$ 245,373
2	As-Needed Regulatory Support for Non-Potable Recycled Water Permitting	2401147	100,000	2,930	3%	-
3	Backcountry (fka Magic Mountain) Pump Station	2402080	860,000	42,056	5%	719,838
4	Backcountry (fka Magic Mountain) Reservoir	2400395	1,560,000	242,839	16%	921,266
5	Castaic Conduit	2400016	370,000	6,312	2%	-
6	Clark Well Groundwater Treatment Improvements - PFAS	2402092	200,000	6,715	3%	-
7	E Wells (E-14, E-15, E-16, E-17)	2400422	1,550,000	8,603	1%	80,007
8	ESFP Sludge Collection System	2400251	8,510,000	1,183,118	14%	522,193
9	Honby Parallel	2400346	225,000	2,047	1%	-
10	LARC Pipeline	2400036	1,500,000	23,227	2%	62,383
11	Lost Canyon 2/2A, Sand Canyon, and Mitchell 5B Groundwater Treatment Improvements	2402095	400,000	9,827	2%	-
12	Magic Mountain Pipeline No. 4	2400389	216,000	3,843	2%	-
13	Magic Mountain Pipeline No. 5	2400045	198,000	8,247	4%	164
14	Magic Mountain Pipeline No. 6	2400051	908,000	20,392	2%	55,734
15	New Water Banking Program (AVEK/Mid Valley/Rosedale)	2401081	500,000	-	0%	-
16	Newhall (fka Saugus) Wells (N11, N12, N13) Groundwater Treatment Improvements	2402045	1,655,000	20,810	1%	130,564
17	Recycled Water Fill Station	2401080	225,000	9,073	4%	5,746
18	Recycled Water Program Phase II, 2A - Central Park	2400468	1,000	-	0%	-
19	Recycled Water Program Phase II, 2B - Vista Canyon Backbone	2400474	250,000	18,220	7%	143,702
20	Recycled Water Program Phase II, 2C - South End Backbone Reach 1	2400480	2,000,000	107,542	5%	17,224
21	Recycled Water Pump Station PS-1 Upgrades	2403000	450,000	829	0%	106,750
22	S Wells (S6, S7 and S8)	2400437	1,950,000	21,965	1%	1,437,118
23	Sand Canyon Reservoir Expansion	2402049	810,000	71,876	9%	214,087
24	Santa Clara and Honby Wells	2400434	4,664,000	2,009,464	43%	516,098
25	Saugus Dry Year Reliability Wells 5 & 6	2400493	5,000	1,920	38%	-
26	Sierra and North Oaks Wells Groundwater Treatment Improvements - PFAS	2402094	250,000	8,906	4%	-
27	Sites Reservoir	2400598	800,000	-	0%	-
28	Well 201 VOC Groundwater Treatment Improvements	2401146	5,615,000	1,111,811	20%	744,783
29	Well 205 (Perchlorate)	2400417	2,350,000	37,079	2%	27,093
30	Well 207 Groundwater Treatment Improvements	2402093	250,000	427	0%	-
31	Well D Groundwater Treatment Improvements - PFAS	2402098	200,000	6,601	3%	93,052
32	Well E-14 Site Improvements	2403001	250,000	-	0%	-
33	Well E-16 Site Improvements	2403002	250,000	-	0%	-
34	Well W10 Groundwater Treatment Improvements - PFAS	2402097	200,000	2,432	1%	91,935
35	Well W9 Groundwater Treatment Improvements - PFAS	2402096	250,000	2,184	1%	99,615
<b>Total Debt Funded Capital Projects</b>			<b>\$ 46,722,000</b>	<b>\$ 5,135,897</b>	<b>11.0%</b>	<b>\$ 6,234,724</b>

On November 20, 2023, the Finance and Administration Committee considered staff's recommendation to receive and file the September 2023 Monthly and FY 2023/24 first quarter financial report.

### STRATEGIC PLAN NEXUS

The preparation and review of this report helps meet SCV Water's Strategic Plan Strategy E.1: "Increase focus on forward looking financial information," Strategy E.3: "Improve treasury and cash management practices," and Strategy E.4: "Expand Financial & Performance Reporting."

### FINANCIAL CONSIDERATIONS

None.

### RECOMMENDATION

The Finance and Administration Committee recommends that the Board of Directors receive and file the September 2023 Monthly and FY 2023/24 First Quarter Financial Report.

RP

Attachment

M65

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# Monthly Financial And Quarterly Report

SEPTEMBER 2023  
Q1 FY 2023/24

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# Statement of Revenues and Expenses

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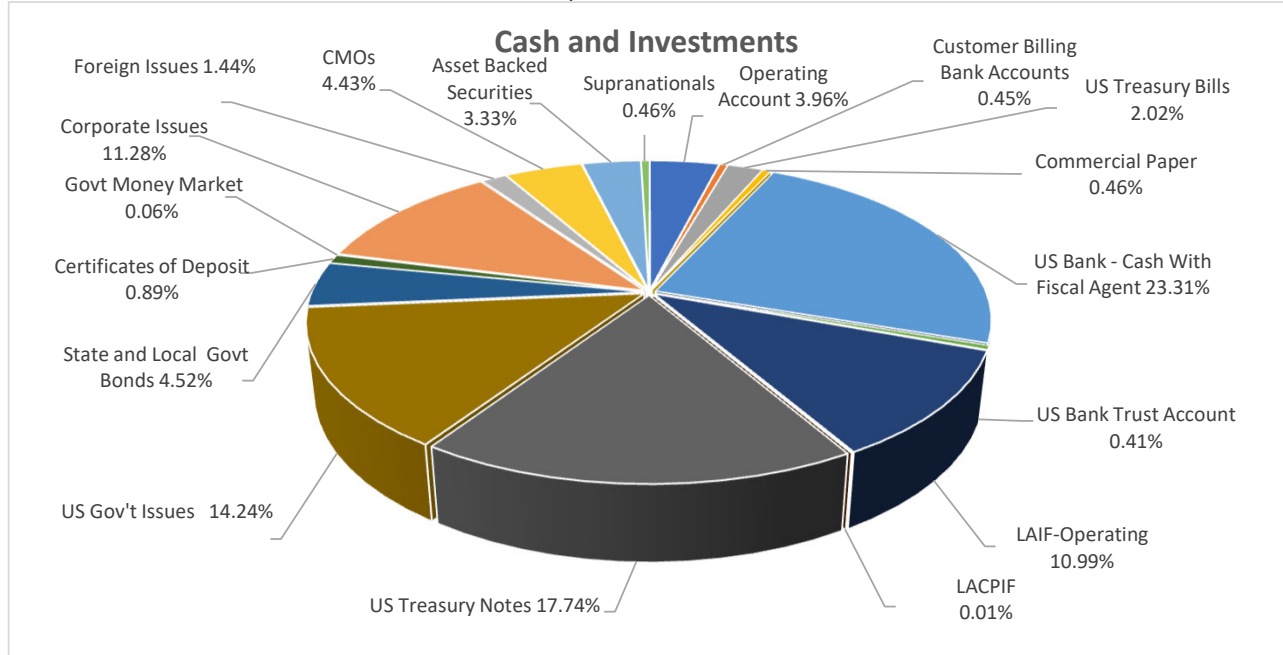
# Investment Report

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**Santa Clarita Valley Water Agency**

**Cash and Investment Summary**

September 31, 2023



Operating Account-Incl FCF's, SWP & CIP	XXX-10101	\$	12,381,393	3.96%
Customer Billing Bank Accounts	101-10105		1,419,706	0.45%
US Treasury Bills (Cash Equivalent)	101-10104		6,320,027	2.02%
Commercial Paper	101-10106		1,444,736	0.46%
US Bank - Cash with Fiscal Agent	101-102XX		72,945,033	23.31%
US Bank Trust Account (1% Prop Tax)	101-10202		1,277,504	0.41%
LAIF - Operating	101-11061		34,396,535	10.99%
LAC Pooled Investment Fund	101-11062		24,201	0.01%
US Treasury Notes	101-11063		55,508,734	17.74%
US Gov't Issues (excl T-Bills & T-Notes)	101-11064		44,537,314	14.24%
State and Local Government Bonds	101-11065		14,149,196	4.52%
Certificates of Deposit	101-11066		2,773,230	0.89%
Government Money Mkt Fund	101-11067		180,062	0.06%
Corporate Issues	101-11068		35,285,740	11.28%
Foreign Issues	101-11069		4,511,205	1.44%
CMOs	101-11070		13,854,753	4.43%
Asset Backed Securities	101-11071		10,419,842	3.33%
Supranationals	101-11072		1,438,891	0.46%
		\$	<b>312,868,105</b>	<b>100.00%</b>

**Estimated Refundable Developer Deposits:**

**\$ 7,022,344** Included in totals

**Portfolio-wide Investments:**

**Weighted Average Yield 4.576%**

Rochelle Patterson, MPA  
Treasurer/Chief Financial & Administrative Officer

Amy Aguer, CPA  
Controller

All investment actions executed since the last report have been made in full compliance with the Investment Policy, and the Agency will meet its expenditure obligations for the next six months as required by Government Code Section 53646(b)(2) and (3), respectively.

**SCV Water**  
**Consolidated Cash & Investment Summary**  
**9/30/2023**

	<u>Note</u>	<u>Acct #</u>	<u>Balance</u>	<u>Total</u>	<u>% of Total</u>
<b><u>AGENCY FUNDS</u></b>					
<b>Cash &amp; Sweep Accounts</b>					
WF Operating Account-Incl FCF's, SWP & CIP		XXX-10101	\$ 12,381,393		
Less: WF Restricted Cash (FCFs, SWP & CIP)	1	2XX-10101	(3,904,508)		
US Treasury Bills - CAM		101-10104	6,320,027		
Customer Billing - Northstar Account		101-10105	224,454		
Commercial Paper		101-10106	1,444,736		
Customer Billing - enQuesta Account		101-10107	1,195,252		
US Bank - Cash with Fiscal Agent		101-102XX	24,636		
US Bank Trust Account (1% Prop Tax)		101/204-10202	1,277,504		
Less: Restricted Cash US Bank Accts -SWP	1	204-10202	-		
<b>Subtotal - Cash &amp; Sweep Accounts Unrestricted</b>			\$ 18,963,496	6.06%	
<b>Investments - Unrestricted</b>					
Local Agency Investment Fund		101/202/204-11061	\$ 34,396,535		
LAC Pooled Investment Fund		101-11062	24,201		
US Treasury Notes - US Bank		101-11063	55,508,734		
US Govt Issues (excl T-Notes & T-Bills)		101/204-11064	44,537,314		
Taxable Municipal Issues (State & Local)		101-11065	14,149,196		
Certificates of Deposit		101-11066	2,773,230		
Government Money Mkt Fund		101/204-11067	180,062		
Corporate Issues		101-11068	35,285,740		
Foreign Issues		101-11069	4,511,205		
CMOs-Collateralized Mortgage Obligations		101-11070	13,854,753		
Asset Backed Securities		101-11071	10,419,842		
Supranationals		101-11072	1,438,891		
Less: Restricted Investments - FCF	2	202-11061	(9,479,196)		
Less: Restricted Investments - SWP	3	204-11061-11067	(84,916,723)		
<b>Subtotal - Investments Unrestricted</b>			\$ 122,683,786	39.21%	
<b>Cash and Investments - Restricted</b>					
Facility Capacity Fee Fund - Cash	4	202-10101	\$ -		
Facility Capacity Fee Fund - Investments	5	202-11061	9,479,196		
State Water Project - Cash (WF & US Bank)	6	204-10XXX	4,527,243		
State Water Project - Investments	7	204-11061/11063/11064	84,916,723		
<b>Subtotal - Investments Restricted</b>			98,923,161	31.62%	
<b>TOTAL AGENCY CASH &amp; INVESTMENTS</b>			<b>\$ 240,570,443</b>		
<b><u>CAPITAL IMPROVEMENT PROJECT FUNDS</u></b>					
Cash & Sweep Accounts (WF & US Bank) **	8	220/223-10101	\$ (622,735)		
US Bank - Cash with Fiscal Agent		223-102XX	72,920,397		
Local Agency Investment Fund - Restricted		220-11061	-		
<b>TOTAL CAPITAL IMPROVEMENT PROJECT FUNDS</b>			<b>\$ 72,297,662</b>	23.11%	
** Cash reimbursed October 2023					
<b>TOTAL CASH AND INVESTMENTS</b>			<b>\$ 312,868,105</b>	100.00%	

**Notes**

- 1 Less: Restricted Cash - FCF's, SWP & CIP
- 2 Less: Restricted Investments - FCF's Legacy SCWD
- 3 Less: Restricted Investments - State Water Project
- 4 Restricted Cash - FCF's (Txfr'd to cover Debt Svc)
- 5 Restricted Investments - FCF's (SCWD Legacy)
- 6 Restricted Cash - SWP (State Water Project)
- 7 Restricted Investments - SWP (State Water Project)
- 8 Restricted Cash - CIP 2020A Bond Proceeds

**Agency-wide General Funds Invested:**

<b><u>Cash &amp; Cash-Equivalents</u></b>	<b><u>Cost</u></b>	<b><u>Yield</u></b>	<b><u>Purchase Date</u></b>	<b><u>Maturity Date</u></b>	<b><u>Est'd Yield</u></b>
Wells Fargo Pooled Operating Cash	\$ 12,381,393	5.210%	Various	Liquid	\$ 645,104
Less: CIP 2020A/2023A Pooled Cash	622,735	5.210%	Various	Liquid	32,446
Wells Fargo Customer Care Accounts	1,419,706	5.210%	Various	Liquid	73,971
US Bank DS Accounts	72,945,033	4.815%	Various	Liquid	3,512,303
US Bank 1% Property Tax Trust Account	1,277,504	3.900%	Various	08/15/24	49,823
US T-Bills (Cash Equiv) - CAM	6,320,027	5.088%	Various	Liquid	321,574
Commercial Paper (Cash Equiv) - CAM	1,444,736	5.158%	Various	Various	74,514
First American Gov't MM (Cash Equiv) -CAM	180,062	4.940%	Various	Liquid	8,895
<b>Total Cash &amp; Cash-Equivalents</b>	<b>\$ 96,591,197</b>	<b>4.885%</b>	<b>Weighted Avg Yield</b>		<b>\$ 4,718,630</b>

**Investments External to US Bank / Chandler Asset Management**

Local Agency Investment Fund (LAIF)	\$ 34,396,535	3.534%	Various	Liquid	1,215,574
LA County Pooled Investment Fund	24,201	3.850%	Various	Liquid	932

**Investments per US Bank / Chandler Asset Management Statements (excluding Cash Equivalents)**

Asset-Backed Securities - CAM	10,419,842	5.481%	Various	Various	\$ 571,123
Federal Agencies - CAM	44,537,316	5.373%	Various	Various	2,392,777
CMO's - Collateralized Mortgages - CAM	13,854,753	5.218%	Various	Various	722,974
Corporate Issues	35,285,740	5.558%	Various	Various	1,961,217
Municipal Bonds (State/Local Gov'ts) CAM	14,149,196	5.450%	Various	Various	771,159
Negotiable Certificates of Deposit - CAM	2,773,230	5.604%	Various	Various	155,419
US Treasury Notes - US Bank	55,508,734	4.900%	Various	Various	2,719,985
Foreign Issues & SupraNationals	5,950,096	5.593%	Various	Various	332,806
<b>Total Investments</b>	<b>\$ 216,899,645</b>	<b>4.439%</b>	<b>Weighted Avg Yield</b>		<b>\$ 9,627,459</b>

<b>Cash &amp; Investments Non-CIP</b>	<b>\$ 313,490,842</b>	<b>4.576%</b>	<b>Portfolio Weighted Avg Yield</b>		<b>\$ 14,346,089</b>
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**Reconciliation with Portfolio-wide Summary**

CIP 2020A Cash	\$ (622,735)
CIP 2020A LAIF	0
CIP Cash & Investments	(622,735)
Portfolio Wide Total Cash & Investments	<u>\$ 312,868,107</u>
See Note 1 On Consolidated TB	2

**CAM Managed Assets / Held at US Bank in Trust**

US T-Bills (Cash Equiv)	\$ 6,320,027
Commercial Paper	1,444,736
First American Gov't MM	180,062
Asset-Backed Securities	10,419,842
Federal Agencies	44,537,316
CMO's - Collateralized Mtgs	13,854,753
Corporate Issues (excluding Foreign Issues)	35,285,740
Municipal Bonds (State/Local)	14,149,196
Negotiable CDs	2,773,230
US Treasury Notes	55,508,734
Foreign Notes	5,950,096
<b>CAM Assets Managed</b>	<b>\$ 190,423,734</b>
	<b>61%</b>

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# **Santa Clarita Valley Consolidated - Account #11008**

## **MONTHLY ACCOUNT STATEMENT**

**SEPTEMBER 1, 2023 THROUGH SEPTEMBER 30, 2023**

**Chandler Team:**

For questions about your account, please call (800) 317-4747,  
or contact [operations@chandlerasset.com](mailto:operations@chandlerasset.com)

**CHANDLER ASSET MANAGEMENT**  
[chandlerasset.com](http://chandlerasset.com)

*Information contained herein is confidential. We urge you to compare this statement to the one you receive from your qualified custodian. Please see Important Disclosures.*



**PORTFOLIO CHARACTERISTICS**

Average Modified Duration	1.62
Average Coupon	2.43%
Average Purchase YTM	3.96%
Average Market YTM	4.97%
Average S&P/Moody Rating	AA/Aa1
Average Final Maturity	1.92 yrs
Average Life	1.82 yrs

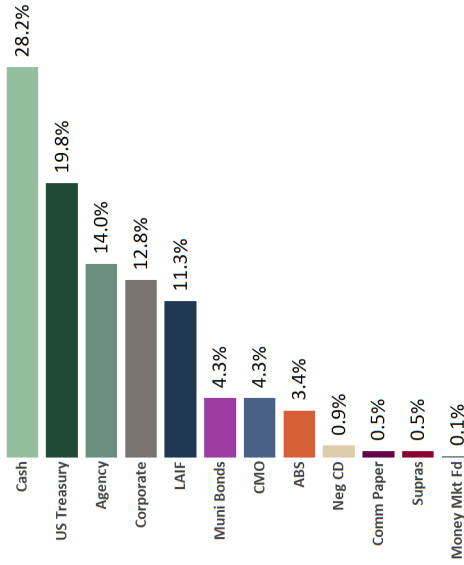
**ACCOUNT SUMMARY**

	Beg. Values as of 8/31/23	End Values as of 9/30/23
Market Value	309,806,235	305,551,875
Accrued Interest	1,408,262	1,650,213
<b>Total Market Value</b>	<b>311,214,496</b>	<b>307,202,088</b>
Income Earned	656,682	653,939
Cont/WD		
Par	315,728,152	312,927,056
Book Value	314,493,480	311,700,413
Cost Value	314,344,989	311,529,191

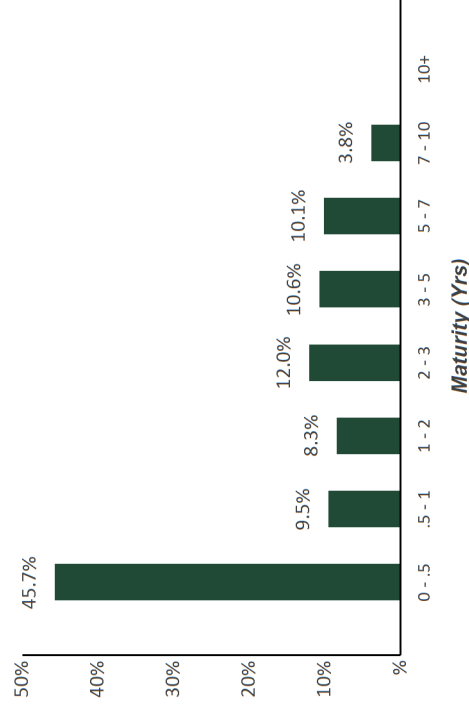
**TOP ISSUERS**

US Bancorp	24.2%
Government of United States	19.8%
Local Agency Investment Fund	11.3%
Federal Home Loan Bank	8.0%
Federal Home Loan Mortgage Corp	4.3%
Federal Farm Credit Bank	4.1%
Wells Fargo Bank Operating	4.0%
State of California	1.9%
<b>Total</b>	<b>77.7%</b>

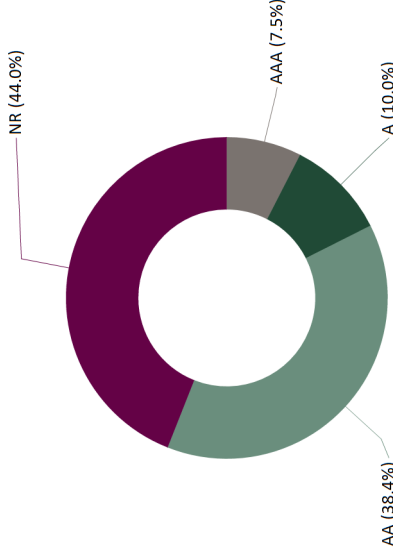
**SECTOR ALLOCATION**



**MATURITY DISTRIBUTION**



**CREDIT QUALITY (S&P)**





CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
47789QAC4	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	516,819.17	01/18/2023 4.53%	492,330.83 500,254.45	96.59 5.88%	499,176.00 119.44	0.16% (1,078.45)	Aaa / NR AAA	2.46 0.64
43815BAC4	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	650,000.00	01/12/2023 5.02%	620,292.97 629,285.56	96.48 5.78%	627,101.16 543.11	0.20% (2,184.40)	Aaa / AAA NR	2.62 0.91
44935FAD6	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	432,718.00	01/30/2023 5.43%	410,253.85 417,867.75	96.64 5.94%	418,182.57 142.32	0.14% 314.82	NR / AAA AAA	2.62 0.64
05602RAD3	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	650,000.00	01/11/2023 5.27%	634,359.38 638,925.60	97.56 5.95%	634,108.15 347.75	0.21% (4,817.45)	Aaa / AAA NR	2.90 0.90
89238FAD5	Toyota Auto Receivables OT 2022-B A3 2.93% Due 9/15/2026	562,000.00	01/13/2023 4.82%	545,491.25 550,140.58	97.35 5.57%	547,119.93 731.85	0.18% (3,020.65)	Aaa / AAA NR	2.96 1.01
02582JIT8	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	650,000.00	01/18/2023 4.37%	636,568.36 640,601.03	96.51 5.72%	627,294.85 979.33	0.20% (13,306.18)	NR / AAA AAA	3.63 1.53
92348KAA1	Verizon Master Trust 2021-1 A 0.5% Due 5/20/2027	650,000.00	01/11/2023 4.01%	612,371.09 625,142.41	96.59 3.75%	627,831.10 99.31	0.20% 2,688.69	Aaa / AAA AAA	3.64 1.06
16157IHS6	Chase Issuance Trust 22-A1 A 3.97% Due 9/15/2027	850,000.00	Various 4.92%	833,371.10 835,783.57	97.15 5.58%	825,794.55 1,499.78	0.27% (9,989.02)	NR / AAA AAA	3.96 1.82
58770AAC7	Mercedes-Benz Auto Receivable 2023-1 A3 4.51% Due 11/15/2027	145,000.00	01/18/2023 4.56%	144,982.60 144,986.02	98.06 5.85%	142,183.96 290.64	0.05% (2,802.06)	NR / AAA AAA	4.13 1.50
47800CAC0	John Deere Owner Trust 2023-A A3 5.01% Due 11/15/2027	195,000.00	02/22/2023 5.07%	194,964.47 194,968.87	98.83 5.72%	192,723.01 434.20	0.06% (2,245.86)	Aaa / NR AAA	4.13 1.79
437927AC0	Honda Auto Receivables Owner 2023-2 A3 4.93% Due 11/15/2027	750,000.00	08/22/2023 5.44%	742,412.11 742,656.67	98.67 5.62%	740,017.50 1,643.33	0.24% (2,639.17)	Aaa / AAA NR	4.13 2.10
477920AC6	John Deere Owner Trust 2023-B A3 5.18% Due 3/15/2028	250,000.00	06/21/2023 5.24%	249,958.30 249,961.28	99.12 5.62%	247,807.50 575.56	0.08% (2,153.78)	Aaa / NR AAA	4.46 2.27
05522RDF2	Bank of America Credit Card Tr 2022-A2 A2 5% Due 4/15/2028	500,000.00	04/18/2023 4.59%	505,468.75 504,514.63	98.96 5.59%	494,796.50 1,111.11	0.16% (9,718.13)	Aaa / AAA NR	4.55 1.95
96548KAD5	Verizon Master Trust 2021-2 A 0.99% Due 4/20/2028	350,000.00	06/16/2023 4.49%	329,697.27 332,315.32	95.02 4.58%	332,560.55 105.88	0.11% 245.23	NR / AAA AAA	4.56 1.41



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
47787CAC7	John Deere Owner Trust 2023-C A3 5.48% Due 5/15/2028	580,000.00	09/12/2023 5.55%	579,960.15 579,960.52	99.79 5.64%	578,796.50 1,059.47	0.19% (1,164.02)	Aaa / NR AAA	4.63 2.25
36267KAD9	GM Financial Securitized Term 2023-3 A3 5.45% Due 6/16/2028	1,000,000.00	09/08/2023 5.41%	1,002,734.38 1,002,691.87	99.84 5.59%	998,369.04 2,270.83	0.33% (4,322.83)	Aaa / AAA NR	4.72 2.06
161571HT4	Chase Issuance Trust 23-A1 A 5.16% Due 9/15/2028	1,250,000.00	09/07/2023 5.23%	1,249,653.50 1,249,658.56	99.63 5.35%	1,245,397.50 2,866.67	0.41% (4,261.06)	NR / AAA AAA	4.96 2.66
02582JKD1	American Express Credit Trust 2023-3 A 5.23% Due 9/15/2028	635,000.00	09/12/2023 5.29%	634,971.62 634,971.93	99.80 5.36%	633,747.15 1,107.02	0.21% (1,224.78)	NR / AAA AAA	4.96 2.66
<b>Total ABS</b>		<b>10,616,537.17</b>	<b>5.01%</b>	<b>10,419,841.98</b> <b>10,474,686.62</b>	<b>5.48%</b>	<b>10,413,007.52</b> <b>15,927.60</b>	<b>3.39%</b> <b>(61,679.10)</b>	<b>Aaa / AAA</b> <b>AAA</b>	<b>3.97</b> <b>1.72</b>
<b>AGENCY</b>									
3130ATPB7	FHLB Note 4.66% Due 11/14/2023	1,000,000.00	01/19/2023 4.83%	998,550.00 999,785.91	99.88 5.52%	998,840.00 17,733.89	0.33% (945.91)	Aaa / AA+ NR	0.12 0.12
3133ENGF1	FFCB Note 0.5% Due 12/1/2023	1,000,000.00	01/18/2023 4.71%	964,652.88 993,176.66	99.19 5.31%	991,900.00 1,666.67	0.32% (1,276.66)	Aaa / AA+ AA+	0.17 0.17
3130AQF57	FHLB Note 0.625% Due 12/22/2023	1,000,000.00	01/19/2023 4.82%	962,600.00 990,872.62	98.93 5.36%	989,319.00 1,718.75	0.32% (1,553.62)	Aaa / AA+ NR	0.23 0.23
3130ATUQ8	FHLB Note 4.75% Due 3/8/2024	1,000,000.00	01/09/2023 4.72%	1,000,340.00 1,000,127.80	99.67 5.50%	996,701.00 3,034.72	0.33% (3,426.80)	Aaa / AA+ NR	0.44 0.43
3130AQZX4	FHLB Callable Note Qtr 6/14/2022 1.875% Due 3/14/2024	2,000,000.00	02/15/2022 1.88%	2,000,000.00 2,000,000.00	98.40 5.47%	1,968,014.00 1,770.83	0.64% (31,986.00)	Aaa / AA+ NR	0.45 0.44
3130ARE72	FHLB Callable Note 1X 3/28/2023 2.55% Due 3/28/2024	1,000,000.00	03/14/2022 1.98%	1,000,000.00 1,000,000.00	98.55 5.57%	985,466.00 212.50	0.32% (14,534.00)	Aaa / AA+ NR	0.49 0.48
3133EMLV2	FFCB Callable Note Cont 4/5/2021 0.27% Due 4/5/2024	5,000,000.00	01/05/2021 0.27%	5,000,000.00 5,000,000.00	97.33 5.62%	4,866,260.00 6,600.00	1.59% (133,740.00)	Aaa / AA+ AA+	0.52 0.50
3130APQ32	FHLB Callable Note Qtrly 2/24/2022 0.75% Due 5/24/2024	200,000.00	11/01/2021 0.91%	200,003.47 200,000.88	96.93 5.63%	193,858.80 529.17	0.06% (6,142.08)	Aaa / AA+ NR	0.65 0.63
3130AQU43	FHLB Callable Note Qtrly 5/24/2022 1.35% Due 5/24/2024	235,000.00	02/02/2022 1.31%	235,003.86 235,001.08	97.31 5.62%	228,680.15 326.06	0.07% (6,320.93)	Aaa / AA+ NR	0.65 0.63
3130ATVC8	FHLB Note 4.875% Due 6/14/2024	1,000,000.00	01/09/2023 4.63%	1,003,192.77 1,001,574.94	99.40 5.74%	994,045.00 14,489.58	0.33% (7,529.94)	Aaa / AA+ NR	0.71 0.67



CUSIP	Security Description	Par Value/Units	Purchase Date	Cost Value	Mkt Price	Market Value	% of Port.	Moody/s&P	Maturity
AGENCY			Book Yield	Book Value	Mkt YTM	Accrued Int.	Gain/Loss	Fitch	Duration
3130AMTP7	FHLB Callable Note Qtrly 9/29/2021 0.4% Due 8/29/2024	4,500,000.00	06/08/2021 0.39%	4,500,000.00	95.41 5.62%	4,293,414.00 4,600.00	1.40% (206,586.00)	Aaa / AA+	0.92 0.89
3130A2UW4	FHLB Note 2.875% Due 9/13/2024	1,000,000.00	01/13/2023 4.46%	974,890.00 985,556.56	97.56 5.54%	975,566.00 1,437.50	0.32% (9,990.56)	Aaa / AA+	0.96 0.92
3133ENEJ5	FFCB Note 0.875% Due 11/18/2024	2,000,000.00	11/18/2021 0.91%	1,997,700.00 1,999,131.20	95.10 5.39%	1,902,052.00 6,465.28	0.62% (97,079.20)	Aaa / AA+	1.14 1.10
3133ENZ94	FFCB Note 4.5% Due 11/18/2024	1,000,000.00	01/17/2023 4.31%	1,003,209.00 1,001,982.87	98.99 5.43%	989,875.00 16,625.00	0.33% (12,107.87)	Aaa / AA+	1.14 1.07
3130ALF25	FHLB Callable Note Qrt 8/26/2021 0.4% Due 11/26/2024	2,000,000.00	12/26/2021 0.40%	2,000,000.00	94.29 5.57%	1,885,808.00 777.78	0.61% (114,192.00)	Aaa / AA+	1.16 1.12
3130ATUR6	FHLB Note 4.625% Due 12/13/2024	1,000,000.00	01/24/2023 4.43%	1,003,380.00 1,002,156.72	99.07 5.43%	990,683.00 13,875.00	0.33% (11,473.72)	Aaa / AA+	1.21 1.14
3130AQGT4	FHLB Callable Note 2X 1/13/2023 1.1% Due 1/13/2025	1,000,000.00	01/03/2022 1.45%	996,470.00 998,499.91	94.46 5.63%	944,574.00 2,383.33	0.31% (53,925.91)	Aaa / AA+	1.29 1.24
3130AWER7	FHLB Note 4.625% Due 6/6/2025	2,000,000.00	06/16/2023 4.81%	1,993,100.00 1,994,091.21	99.18 5.14%	1,983,534.00 28,006.94	0.65% (10,557.21)	Aaa / AA+	1.68 1.58
3130AMMT6	FHLB Callable Note Qtrly 6/10/2022 0.69% Due 6/10/2025	2,000,000.00	06/10/2021 0.69%	2,000,000.00	92.45 5.41%	1,849,072.00 4,255.00	0.60% (150,928.00)	Aaa / AA+	1.70 1.64
3135G06G3	FNMA Note 0.5% Due 11/7/2025	6,000,000.00	11/12/2020 0.57%	5,978,520.00 5,990,940.89	90.94 5.10%	5,456,274.00 12,000.00	1.78% (534,666.89)	Aaa / AA+	2.11 2.04
3133EPMB8	FFCB Note 4.125% Due 12/8/2025	1,500,000.00	06/14/2023 4.50%	1,486,950.00 1,488,503.91	97.97 5.12%	1,469,518.50 19,421.88	0.48% (18,985.41)	Aaa / AA+	2.19 2.04
3133EPCR4	FFCB Note 4.75% Due 3/9/2026	450,000.00	03/27/2023 3.96%	459,814.50 458,110.40	99.50 4.97%	447,758.10 1,306.25	0.15% (10,352.30)	Aaa / AA+	2.44 2.27
3130ALZA5	FHLB Callable Note Qtrly 7/29/2021 1% Due 4/29/2026	280,000.00	04/15/2021 1.42%	280,000.00	92.58 5.24%	259,230.16 1,180.28	0.08% (20,769.84)	Aaa / AA+	2.58 2.46
3133EPNG6	FFCB Note 4.375% Due 6/23/2026	2,000,000.00	06/20/2023 4.39%	1,998,940.00 1,999,036.72	98.69 4.89%	1,973,752.00 23,819.44	0.65% (25,284.72)	Aaa / AA+	2.73 2.51
3130AMTX0	FHLB Callable Note Qtrly 9/30/2021 0.75% Due 6/30/2026	3,000,000.00	06/08/2021 1.10%	3,000,000.00	90.74 5.19%	2,722,251.00 5,677.08	0.89% (277,749.00)	Aaa / AA+	2.75 2.64
3130AMUB6	FHLB Callable Note Qtrly 9/30/2021 0.6% Due 6/30/2026	1,500,000.00	06/09/2021 1.03%	1,500,000.00 1,500,000.00	90.37 5.19%	1,355,613.00 2,275.00	0.44% (144,387.00)	Aaa / AA+	2.75 2.65

Holdings Report

As of September 30, 2023



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>Total Agency</b>		<b>44,665,000.00</b>	<b>1.95%</b>	<b>44,537,316.48</b> <b>44,618,550.28</b>	<b>5.37%</b>	<b>42,712,058.71</b> <b>192,187.93</b>	<b>13.97%</b> <b>(1,906,491.57)</b>	<b>Aaa / AA+</b> <b>AA+</b>	<b>1.36</b> <b>1.30</b>

<b>CASH</b>									
PP3118\$01	Wells Fargo Bank WFB Operating	12,381,393.49	Various 5.21%	12,381,393.49 12,381,393.49	1.00 5.21%	12,381,393.49 0.00	4.03% 0.00	NR / NR NR	0.00 0.00
PP2112\$02	US Bank Trust USB Bank Rev Bonds	72,920,338.84	08/31/2023 4.82%	72,920,338.84 72,920,338.84	1.00 4.82%	72,920,338.84 0.00	23.74% 0.00	NR / NR NR	0.00 0.00
PP2112\$01	US Bank Trust USB Trust	1,277,504.24	Various 4.82%	1,277,504.24 1,277,504.24	1.00 4.82%	1,277,504.24 0.00	0.42% 0.00	NR / NR NR	0.00 0.00
<b>Total Cash</b>		<b>86,579,236.57</b>	<b>4.88%</b>	<b>86,579,236.57</b>	<b>4.88%</b>	<b>86,579,236.57</b>	<b>28.18%</b> <b>0.00</b>	<b>NR / NR</b> <b>NR</b>	<b>0.00</b> <b>0.00</b>

<b>CMO</b>									
3137FLV0	FHLMC K092 A2 3.298% Due 4/25/2029	2,000,000.00	02/06/2023 4.14%	1,910,468.75 1,919,710.18	91.21 5.15%	1,824,186.00 5,496.67	0.60% (95,524.18)	NR / NR AAA	5.57 4.88
3137FMTY8	FHLMC K094 A2 2.903% Due 6/25/2029	2,000,000.00	03/16/2023 4.25%	1,853,515.63 1,865,936.07	89.03 5.16%	1,780,678.00 4,838.33	0.58% (85,258.07)	Aaa / NR NR	5.74 5.06
3137FNB82	FHLMC K096 A2 2.519% Due 7/25/2029	2,000,000.00	02/28/2023 4.60%	1,777,421.87 1,797,621.60	86.99 5.17%	1,739,854.10 4,198.33	0.57% (57,767.50)	NR / AAA NR	5.82 5.17
3137FPJG1	FHLMC K099 A2 2.595% Due 9/25/2029	1,600,000.00	03/29/2023 4.23%	1,457,249.92 1,468,165.75	87.03 5.18%	1,392,400.00 3,460.00	0.45% (75,765.75)	NR / NR AAA	5.99 5.28
3137HA4B9	FHLMC K751 A2 4.412% Due 3/25/2030	2,000,000.00	05/03/2023 4.15%	2,027,472.00 2,025,906.86	95.59 5.26%	1,911,700.00 7,353.33	0.62% (114,206.86)	NR / NR NR	6.49 5.22
3137FIY60	FHLMC K158 A2 3.9% Due 12/25/2030	2,000,000.00	02/14/2023 4.30%	1,947,187.50 1,951,349.15	91.98 5.28%	1,839,598.00 6,500.00	0.60% (111,751.15)	NR / NR NR	7.24 5.96
3137H8U90	FHLMC K148 A2 3.5% Due 7/25/2032	2,000,000.00	01/30/2023 4.08%	1,912,656.25 1,918,738.26	87.65 5.29%	1,753,078.00 5,833.33	0.57% (165,660.26)	Aaa / AA+ AAA	8.82 7.27
3137H9UD9	FHLMC K154 A2 4.35% Due 1/25/2033	965,000.00	03/20/2023 4.34%	968,780.87 968,584.98	93.20 5.30%	899,394.48 3,498.13	0.29% (69,190.50)	NR / NR AAA	9.33 7.38
<b>Total CMO</b>		<b>14,565,000.00</b>	<b>4.25%</b>	<b>13,854,752.79</b> <b>13,916,012.85</b>	<b>5.22%</b>	<b>13,140,888.58</b> <b>41,178.12</b>	<b>4.29%</b> <b>(775,124.27)</b>	<b>Aaa / AAA</b> <b>AAA</b>	<b>6.73</b> <b>5.68</b>



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>COMMERCIAL PAPER</b>									
62479MXD0	MUFG Bank Ltd/NY Discount CP 4.98% Due 10/13/2023	750,000.00	01/18/2023 5.20%	722,298.75 748,755.00	99.83 5.20%	748,755.00 0.00	0.24% 0.00	P-1 / A-1 NR	0.04 0.03
21687BXH9	Rabobank Nederland NV NY Discount CP 4.9% Due 10/17/2023	750,000.00	01/19/2023 5.12%	722,437.50 748,366.67	99.78 5.12%	748,366.67 0.00	0.24% 0.00	P-1 / A-1 NR	0.05 0.05
<b>Total Commercial Paper</b>		<b>1,500,000.00</b>	<b>5.16%</b>	<b>1,444,736.25</b> <b>1,497,121.67</b>	<b>5.16%</b>	<b>1,497,121.67</b> <b>0.00</b>	<b>0.49%</b> <b>0.00</b>	<b>Aaa / AA</b> <b>NR</b>	<b>0.04</b> <b>0.04</b>
<b>CORPORATE</b>									
48133DF47	JPMorgan Chase Financial Callable Note Qty 5/13/2023 3.125% Due 5/13/2024	3,000,000.00	05/13/2022 3.13%	3,000,000.00 3,000,000.00	98.56 5.52%	2,956,665.00 35,937.50	0.97% (43,335.00)	A1 / A- AA-	0.62 0.60
05531FBH5	Truist Financial Corporation Callable Note Cont 7/1/2024 2.5% Due 8/1/2024	500,000.00	01/31/2023 4.78%	483,680.00 490,883.52	96.94 6.31%	484,711.50 2,083.33	0.16% (6,172.02)	A3 / A- A	0.84 0.80
89115A2J0	Toronto-Dominion Bank Note 4.285% Due 9/13/2024	500,000.00	01/09/2023 4.79%	495,945.00 497,690.44	98.39 6.05%	491,948.00 1,071.25	0.16% (5,742.44)	A1 / A AA-	0.96 0.91
06368LGU4	Bank of Montreal Note 5.2% Due 12/12/2024	500,000.00	01/09/2023 4.96%	502,190.00 501,370.31	99.13 5.95%	495,654.00 7,872.22	0.16% (5,716.31)	A2 / A- AA-	1.20 1.13
89236TKN4	Toyota Motor Credit Corp Note 4.8% Due 1/10/2025	500,000.00	01/10/2023 4.86%	499,445.00 499,644.47	99.06 5.57%	495,280.00 5,400.00	0.16% (4,364.47)	A1 / A+ A+	1.28 1.21
747525AF0	Qualcomm Inc Callable Note Cont 2/20/2025 3.45% Due 5/20/2025	500,000.00	01/24/2023 4.43%	489,345.00 492,472.15	96.78 5.53%	483,906.00 6,277.08	0.16% (8,566.15)	A2 / A NR	1.64 1.54
66815L2J7	Northwestern Mutual Glbl Note 4% Due 7/1/2025	500,000.00	01/09/2023 4.68%	492,190.00 494,467.20	97.09 5.76%	485,463.50 5,000.00	0.16% (9,003.70)	Aaa / AA+ AAA	1.75 1.65
907818ES3	Union Pacific Corp Callable Note Cont 5/15/2025 3.75% Due 7/15/2025	500,000.00	01/10/2023 4.61%	489,970.00 492,841.98	96.85 5.62%	484,259.50 3,958.33	0.16% (8,582.48)	A3 / A- A-	1.79 1.69
713448CY2	Pepsico Inc. Callable Note Cont 4/17/2025 3.5% Due 7/17/2025	500,000.00	01/19/2023 4.37%	489,855.00 492,665.59	96.88 5.34%	484,413.50 3,597.22	0.16% (8,252.09)	A1 / A+ NR	1.80 1.70
64952WEU3	New York Life Global Note 3.6% Due 8/5/2025	500,000.00	01/09/2023 4.72%	486,565.00 490,335.98	96.63 5.54%	483,152.00 2,800.00	0.16% (7,183.98)	Aaa / AA+ AAA	1.85 1.75



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>CORPORATE</b>									
59217GFC8	Metlife Note 4.05% Due 8/25/2025	500,000.00	01/09/2023 4.65%	492,690.00 494,698.91	96.69 5.91%	483,462.50 2,025.00	0.16% (11,236.41)	Aa3 / AA- AA-	1.90 1.79
74153WCR8	Pricoa Global Funding Note 4.2% Due 8/28/2025	500,000.00	01/19/2023 4.62%	494,945.00 496,283.40	97.20 5.76%	486,009.00 1,925.00	0.16% (10,274.40)	Aa3 / AA- AA-	1.91 1.80
756109BE3	Realty Income Corp Callable Note Cont 9/1/2025 4.625% Due 11/1/2025	500,000.00	01/09/2023 4.74%	498,525.00 498,903.46	97.79 5.76%	488,938.00 9,635.42	0.16% (9,965.46)	A3 / A- NR	2.09 1.92
594918BJ2	Microsoft Callable Note Cont 8/3/2025 3.125% Due 11/3/2025	500,000.00	01/11/2023 4.38%	483,530.00 487,723.82	95.81 5.27%	479,042.50 6,423.61	0.16% (8,681.32)	Aaa / AAA NR	2.10 1.96
14913R3B1	Caterpillar Financial Service Note 4.8% Due 1/6/2026	500,000.00	01/09/2023 4.49%	504,255.00 503,229.28	98.89 5.32%	494,458.00 5,666.67	0.16% (8,771.28)	A2 / A A+	2.27 2.10
24422EWPO	John Deere Capital Corp Note 4.8% Due 1/9/2026	500,000.00	01/09/2023 4.50%	504,170.00 503,167.52	98.84 5.35%	494,188.00 5,466.67	0.16% (8,979.52)	A2 / A A+	2.28 2.10
89115A2K7	Toronto-Dominion Bank Note 5.103% Due 1/9/2026	500,000.00	06/16/2023 5.23%	498,474.99 498,641.71	98.66 5.73%	493,309.00 5,811.75	0.16% (5,332.71)	A1 / A AA-	2.28 2.09
78016FZT4	Royal Bank of Canada Note 4.875% Due 1/12/2026	1,000,000.00	Various 5.09%	994,685.00 995,364.36	98.14 5.75%	981,400.00 10,697.92	0.32% (13,964.36)	A1 / A AA-	2.29 2.11
91324PCV2	United Health Group Inc Note 3.1% Due 3/15/2026	500,000.00	01/09/2023 4.31%	482,180.00 486,223.71	94.92 5.33%	474,576.00 688.89	0.15% (11,647.71)	A2 / A+ A	2.46 2.32
69371RS49	Paccar Financial Corp Note 4.45% Due 3/30/2026	600,000.00	03/28/2023 4.47%	599,634.00 599,695.78	98.43 5.13%	590,591.40 74.17	0.19% (9,104.38)	A1 / A+ NR	2.50 2.33
64952WFB4	New York Life Global Note 4.7% Due 4/2/2026	500,000.00	06/15/2023 5.08%	495,030.00 495,533.35	97.96 5.58%	489,784.50 11,488.89	0.16% (5,748.85)	Aaa / AA+ AAA	2.51 2.27
66815L2L2	Northwestern Mutual Gbl Note 4.7% Due 4/6/2026	500,000.00	06/15/2023 5.00%	496,085.00 496,479.95	97.96 5.58%	489,822.50 11,423.61	0.16% (6,657.45)	Aaa / AA+ AAA	2.52 2.28
46647PCZ7	JP Morgan Chase & Co Callable Note Cont 4/26/2025 4.08% Due 4/26/2026	1,000,000.00	Various 5.75%	977,520.00 980,798.06	97.05 6.08%	970,465.00 17,566.66	0.32% (10,333.06)	A1 / A- AA-	2.57 1.47
341081GR2	Florida Power and Light Callable Note Cont 4/15/2026 4.45% Due 5/15/2026	500,000.00	05/19/2023 4.73%	496,165.00 496,626.75	97.85 5.33%	489,273.50 8,220.14	0.16% (7,353.25)	A1 / A A+	2.62 2.40
24422EWX3	John Deere Capital Corp Note 4.75% Due 6/8/2026	500,000.00	06/16/2023 4.82%	499,005.00 499,098.71	98.66 5.29%	493,284.50 7,454.86	0.16% (5,814.21)	A2 / A A+	2.69 2.45





CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>CORPORATE</b>									
74340XBU4	Prologis LP Callable Note Cont 3/30/2026 3.25% Due 6/30/2026	500,000.00	06/15/2023 4.86%	477,570.00 479,658.87	94.26 5.53%	471,306.50 4,107.64	0.15% (8,352.37)	A3 / A NR	2.75 2.56
06051GLA5	Bank of America Corp Callable Note Cont 7/22/2025 4.827% Due 7/22/2026	1,000,000.00	Various 5.81%	991,845.00 992,709.71	97.49 6.31%	974,889.00 9,251.76	0.32% (17,820.71)	A1 / A- AA-	2.81 1.69
26442CAS3	Duke Energy Carolinas Callable Note Cont 9/1/2026 2.95% Due 12/1/2026	500,000.00	04/10/2023 4.43%	475,365.00 478,553.28	93.52 5.19%	467,609.00 4,916.67	0.15% (10,944.28)	Aa3 / A NR	3.17 2.94
61747YEZ4	Morgan Stanley Callable Note 1X 1/28/2026 5.05% Due 1/28/2027	1,000,000.00	Various 5.51%	998,785.90 998,787.84	98.02 5.97%	980,232.00 8,837.51	0.32% (18,555.84)	A1 / A- A+	3.33 2.14
06406RBC9	Bank of NY Mellon Corp Callable Note Cont 4/26/2026 4.947% Due 4/26/2027	1,000,000.00	04/19/2023 5.27%	1,001,420.00 1,001,266.43	97.61 5.96%	976,085.00 21,299.58	0.32% (25,181.43)	A1 / A AA-	3.57 2.32
06406RBC9	Bank of NY Mellon Corp Callable Note Cont 4/26/2026 4.947% Due 4/26/2027	1,000,000.00	Various 5.46%	994,880.00 995,227.75	97.61 5.96%	976,085.00 21,299.58	0.32% (19,142.75)	A1 / A AA-	3.57 2.32
023135CP9	Amazon.com Inc Callable Note Cont 11/1/2027 4.55% Due 12/1/2027	1,000,000.00	02/06/2023 4.43%	1,005,210.00 1,004,513.16	97.93 5.11%	979,309.00 15,166.67	0.32% (25,204.16)	A1 / AA AA-	4.17 3.69
57629WDL1	Mass Mutual Global funding Note 5.05% Due 12/7/2027	1,140,000.00	03/30/2023 4.73%	1,155,116.40 1,153,515.42	98.35 5.49%	1,121,229.90 18,230.50	0.37% (32,285.52)	Aa3 / AA+ AA+	4.19 3.66
74340XBV2	Prologis LP Callable Note Cont 09/15/2027 3.375% Due 12/15/2027	1,000,000.00	04/19/2023 4.50%	953,110.00 957,608.57	91.94 5.55%	919,448.00 9,937.50	0.30% (38,160.57)	A3 / A NR	4.21 3.80
592179KF1	MET LIFE GLOB FUNDING I Note 5.05% Due 1/6/2028	1,000,000.00	01/30/2023 4.69%	1,015,690.00 1,013,580.57	97.77 5.64%	977,683.00 11,923.61	0.32% (35,897.57)	Aa3 / AA- AA-	4.27 3.74
64952WEY5	New York Life Global Note 4.85% Due 1/9/2028	1,000,000.00	01/30/2023 4.53%	1,014,040.00 1,012,155.54	97.67 5.47%	976,728.00 11,047.22	0.32% (35,427.54)	Aaa / AA+ AAA	4.28 3.76
89115AZM3	Toronto-Dominion Bank Note 5.156% Due 1/10/2028	1,000,000.00	02/06/2023 4.81%	1,015,010.00 1,013,047.09	97.60 5.80%	975,991.00 11,601.00	0.32% (37,056.09)	A1 / A AA-	4.28 3.74
89236TKQ7	Toyota Motor Credit Corp Note 4.625% Due 1/12/2028	1,000,000.00	01/30/2023 4.47%	1,006,790.00 1,005,880.16	97.67 5.24%	976,729.00 10,149.31	0.32% (29,151.16)	A1 / A+ A+	4.29 3.79



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>CORPORATE</b>									
78016FW7	Royal Bank of Canada Note 4.9% Due 1/12/2028	1,000,000.00	01/30/2023 4.79%	1,004,900.00 1,004,243.41	97.13 5.66%	971,290.00 10,752.78	0.32% (32,953.41)	A1 / A AA-	4.29 3.76
756109AU8	Realty Income Corp Callable Note Cont 10/15/2027 3.65% Due 1/15/2028	1,000,000.00	Various 4.65%	956,445.09 962,187.71	92.12 5.75%	921,161.00 7,705.56	0.30% (41,026.71)	A3 / A- NR	4.30 3.85
24422EWR6	John Deere Capital Corp Note 4.75% Due 1/20/2028	1,000,000.00	02/07/2023 4.46%	1,012,740.00 1,011,089.30	98.19 5.22%	981,851.00 9,368.06	0.32% (29,238.30)	A2 / A A+	4.31 3.81
06051GGF0	Bank of America Corp Callable Note 1/20/2027 3.824% Due 1/20/2028	1,200,000.00	04/18/2023 5.61%	1,144,836.00 1,150,047.35	92.86 6.24%	1,114,368.00 9,050.13	0.37% (35,679.35)	A1 / A- AA-	4.31 3.01
438516CJ3	Honeywell Intl Callable Note Cont 01/15/2028 4.95% Due 2/15/2028	1,000,000.00	02/14/2023 4.52%	1,018,960.00 1,016,601.69	99.60 5.05%	996,023.00 6,325.00	0.33% (20,578.69)	A2 / A A	4.38 3.87
91324PEP3	United Health Group Inc Callable Note Cont 1/15/2028 5.25% Due 2/15/2028	1,000,000.00	02/14/2023 4.70%	1,024,270.00 1,021,251.21	100.17 5.20%	1,001,699.00 6,708.33	0.33% (19,552.21)	A2 / A+ A	4.38 3.84
713448FL7	Pepsico Inc. Callable Note Cont 1/18/2028 3.6% Due 2/18/2028	1,000,000.00	03/16/2023 4.27%	970,610.00 973,801.01	94.62 4.98%	946,212.00 4,300.00	0.31% (27,589.01)	A1 / A+ NR	4.39 3.97
57636QAW4	MasterCard Inc Callable Note Cont 2/9/28 4.875% Due 3/9/2028	1,000,000.00	Various 4.88%	999,574.50 999,622.47	99.25 5.07%	992,479.00 2,979.17	0.32% (7,143.47)	Aa3 / A+ NR	4.44 3.93
61747YER2	Morgan Stanley Callable Note Cont 4/20/2027 4.21% Due 4/20/2028	1,150,000.00	04/17/2023 5.12%	1,115,603.50 1,118,691.09	94.03 5.97%	1,081,323.15 21,652.26	0.36% (37,367.94)	A1 / A- A+	4.56 3.97
341081GN1	Florida Power and Light Callable Note Cont 3/15/2028 4.4% Due 5/15/2028	1,000,000.00	05/17/2023 4.46%	997,480.00 997,666.62	96.42 5.28%	964,249.00 16,255.56	0.32% (33,417.62)	Aa2 / A+ AA-	4.63 4.05
66815L2M0	Northwestern Mutual Gbl Note 4.9% Due 6/12/2028	1,000,000.00	06/06/2023 4.84%	1,002,680.00 1,002,517.18	97.38 5.54%	973,831.00 14,836.11	0.32% (28,686.18)	Aaa / AA+ AAA	4.70 4.07
74340XCG4	Prologis LP Callable Note Cont 5/15/2028 4.875% Due 6/15/2028	500,000.00	08/07/2023 4.97%	497,935.00 497,996.76	97.44 5.50%	487,182.00 6,296.88	0.16% (10,814.76)	A3 / A NR	4.71 4.09
<b>Total Corporate</b>		<b>40,090,000.00</b>	<b>4.70%</b>	<b>39,796,945.38</b> <b>39,847,060.60</b>	<b>5.58%</b>	<b>38,949,049.95</b> <b>452,564.58</b>	<b>12.83%</b> <b>(898,010.65)</b>	<b>A1 / A+</b> <b>AA-</b>	<b>3.18</b> <b>2.71</b>



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>LAIF</b>									
90LAIF\$00	Local Agency Investment Fund State Pool	34,396,535.22	Various 3.61%	34,396,535.22 34,396,535.22	1.00 3.61%	34,396,535.22 330,164.55	11.30% 0.00	NR / NR NR	0.00 0.00
<b>Total LAIF</b>		<b>34,396,535.22</b>	<b>3.61%</b>	<b>34,396,535.22</b> <b>34,396,535.22</b>	<b>3.61%</b>	<b>34,396,535.22</b> <b>330,164.55</b>	<b>11.30%</b> <b>0.00</b>	<b>NR / NR</b> <b>NR</b>	<b>0.00</b> <b>0.00</b>
<b>MONEY MARKET FUND</b>									
31846V203	First American Govt Obligation Fund Class Y	158,962.38	Various 4.94%	158,962.38 158,962.38	1.00 4.94%	158,962.38 0.00	0.05% 0.00	Aaa / AAA AAA	0.00 0.00
31846V203	First American Govt Obligation Fund Class Y	150,784.75	Various 4.94%	150,784.75 150,784.75	1.00 4.94%	150,784.75 0.00	0.05% 0.00	Aaa / AAA AAA	0.00 0.00
<b>Total Money Market Fund</b>		<b>309,747.13</b>	<b>4.94%</b>	<b>309,747.13</b> <b>309,747.13</b>	<b>4.94%</b>	<b>309,747.13</b> <b>0.00</b>	<b>0.10%</b> <b>0.00</b>	<b>Aaa / AAA</b> <b>AAA</b>	<b>0.00</b> <b>0.00</b>
<b>MUNICIPAL BONDS</b>									
81684LDH6	Semitropic CA Improvement Dist TE-REV 2.262% Due 12/1/2023	1,295,000.00	10/30/2019 2.12%	1,302,045.00 1,295,288.23	99.40 5.80%	1,287,222.23 9,764.30	0.42% (8,066.00)	NR / AA AA-	0.17 0.17
13063DLZ9	California State STE-GO 3% Due 4/1/2024	3,000,000.00	11/30/2022 0.54%	3,098,130.00 3,036,798.75	98.73 5.59%	2,962,032.00 45,000.00	0.98% (74,766.75)	Aa2 / AA- AA	0.50 0.48
79730WBM1	San Diego Redevelopment Agcy STE-TA 3% Due 9/1/2024	1,100,000.00	10/23/2019 2.05%	1,147,938.00 1,109,074.46	97.52 5.80%	1,072,727.70 2,750.00	0.35% (36,346.76)	NR / AA NR	0.92 0.89
544712K7	Los Angeles Metro Transit Auth TE-REV 5.13% Due 6/1/2025	2,800,000.00	12/29/2021 1.28%	3,159,800.00 2,975,294.56	99.43 5.48%	2,784,160.40 47,880.00	0.92% (191,134.16)	Aa1 / AAA NR	1.67 1.55
91412GU94	Univ of California CA Revenues TE-REV 3.063% Due 7/1/2025	1,195,000.00	12/29/2021 1.21%	1,270,703.25 1,232,792.48	96.37 5.26%	1,151,561.75 9,150.71	0.38% (81,230.73)	Aa2 / AA AA	1.75 1.66
13063DMA3	California State TE-GO 2.65% Due 4/1/2026	3,000,000.00	12/29/2021 1.25%	3,173,520.00 3,101,945.79	94.06 5.21%	2,821,722.00 39,750.00	0.93% (280,223.79)	Aa2 / AA- AA	2.50 2.34



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>MUNICIPAL BONDS</b>									
882724WW3	Texas State TE-GO 4% Due 10/1/2029	1,000,000.00	05/02/2023 4.05%	997,060.00 997,248.30	94.66 5.04%	946,579.00 20,000.00	0.31% (50,669.30)	NR / AAA AAA	6.01 5.13
<b>Total Municipal Bonds</b>		<b>13,390,000.00</b>	<b>1.45%</b>	<b>14,149,196.25</b> <b>13,748,442.57</b>	<b>5.45%</b>	<b>13,026,005.08</b> <b>174,295.01</b>	<b>4.30%</b> <b>(722,437.49)</b>	<b>Aa2 / AA</b> <b>AA</b>	<b>1.70</b> <b>1.56</b>
<b>NEGOTIABLE CD</b>									
07371CXM6	Beal Bank USA Negotiable CD 0.6% Due 1/3/2024	250,000.00	11/30/2022 0.60%	250,000.00 250,000.00	98.72 5.61%	246,807.75 361.64	0.08% (3,192.25)	NR / NR NR	0.26 0.25
33648GBG7	First State Bank Negotiable CD 0.5% Due 1/12/2024	250,000.00	01/12/2022 0.50%	250,000.00 250,000.00	98.60 5.47%	246,494.75 65.07	0.08% (3,505.25)	NR / NR NR	0.28 0.28
87270LDV2	TIAA FSB Negotiable CD 0.4% Due 4/9/2024	200,000.00	01/05/2021 0.40%	200,000.00 200,000.00	97.40 5.42%	194,793.60 388.89	0.06% (5,206.40)	NR / NR NR	0.53 0.52
02772JCZ1	American National Bank Negotiable CD 0.25% Due 5/21/2024	245,000.00	06/08/2021 0.34%	244,387.50 244,867.61	96.66 5.57%	236,812.84 16.78	0.08% (8,054.77)	NR / NR NR	0.64 0.64
52168UHT2	Leader Bank NA Negotiable CD 0.25% Due 6/3/2024	245,000.00	06/08/2021 0.34%	244,372.80 244,858.58	96.50 5.58%	236,423.78 201.37	0.08% (8,434.80)	NR / NR NR	0.68 0.66
649447UP2	New York Community Bank Negotiable CD 0.35% Due 6/3/2024	245,000.00	06/08/2021 0.35%	245,000.00 245,000.00	96.57 5.58%	236,584.74 281.92	0.08% (8,415.26)	NR / NR NR	0.68 0.66
39573LBJ6	Greenstate Credit Union Negotiable CD 0.45% Due 6/17/2024	245,000.00	06/08/2021 0.45%	245,000.00 245,000.00	96.40 5.66%	236,181.23 90.62	0.08% (8,818.77)	NR / NR NR	0.72 0.69
549104VA2	Luana Savings Bank Negotiable CD 0.25% Due 7/1/2024	250,000.00	12/30/2020 0.25%	250,000.00 250,000.00	96.06 5.66%	240,157.25 159.25	0.08% (9,842.75)	NR / NR NR	0.75 0.73
88241TLS7	Texas Exchange Bank SSB Negotiable CD 0.5% Due 7/30/2024	200,000.00	07/22/2021 0.50%	200,000.00 200,000.00	95.82 5.66%	191,630.00 2.74	0.06% (8,370.00)	NR / NR NR	0.83 0.83
90348IV31	UBS Bank USA Negotiable CD 0.7% Due 10/28/2024	200,000.00	10/19/2021 0.70%	200,000.00 200,000.00	94.78 5.76%	189,563.80 15.34	0.06% (10,436.20)	NR / NR NR	1.08 1.05
7954505R2	Sallie Mae Bank Negotiable CD 1.95% Due 11/20/2024	200,000.00	11/22/2019 2.01%	199,470.00 199,879.19	95.92 5.63%	191,833.40 1,451.67	0.06% (8,045.79)	NR / NR NR	1.14 1.11



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>NEGOTIABLE CD</b>									
61768EBL6	Morgan Stanley Private Bank Negotiable CD 1.7% Due 3/5/2025	245,000.00	04/01/2022 1.70%	245,000.00 245,000.00	94.61 5.67%	231,805.77 296.68	0.08% (13,194.23)	NR / NR NR	1.43 1.38
<b>Total Negotiable CD</b>		<b>2,775,000.00</b>	<b>0.66%</b>	<b>2,773,230.30</b> <b>2,774,605.38</b>	<b>5.60%</b>	<b>2,679,088.91</b> <b>3,331.97</b>	<b>0.87%</b> <b>(95,516.47)</b>	<b>NR / NR</b> <b>NR</b>	<b>0.74</b> <b>0.72</b>
<b>SUPRANATIONAL</b>									
4581X0EK0	Inter-American Dev Bank Note 4.5% Due 5/15/2026	1,440,000.00	06/27/2023 4.53%	1,438,891.20 1,438,983.60	98.87 4.96%	1,423,738.08 15,300.00	0.47% (15,245.52)	Aaa / AAA AAA	2.62 2.42
<b>Total Supranational</b>		<b>1,440,000.00</b>	<b>4.53%</b>	<b>1,438,891.20</b> <b>1,438,983.60</b>	<b>4.96%</b>	<b>1,423,738.08</b> <b>15,300.00</b>	<b>0.47%</b> <b>(15,245.52)</b>	<b>Aaa / AAA</b> <b>AAA</b>	<b>2.62</b> <b>2.42</b>
<b>US TREASURY</b>									
912797HC4	US Treasury Bill 5.196% Due 10/24/2023	1,000,000.00	06/28/2023 5.36%	983,113.65 996,680.46	99.67 5.36%	996,680.46 0.00	0.32% 0.00	P-1 / A-1+ F-1+	0.07 0.06
912796YT0	US Treasury Bill 4.763% Due 11/2/2023	2,000,000.00	Various 4.94%	1,947,075.14 1,991,532.45	99.58 4.94%	1,991,532.45 0.00	0.65% 0.00	P-1 / A-1+ F-1+	0.09 0.09
912796ZN2	US Treasury Bill 4.826% Due 12/28/2023	2,000,000.00	Various 5.04%	1,933,126.86 1,976,406.22	98.82 5.04%	1,976,406.22 0.00	0.64% 0.00	P-1 / A-1+ F-1+	0.24 0.24
912796ZY8	US Treasury Bill 4.976% Due 1/25/2024	1,500,000.00	Various 5.18%	1,456,711.25 1,475,949.34	98.37 5.18%	1,475,949.34 0.00	0.48% 0.00	P-1 / A-1+ F-1+	0.32 0.31
912828SZ9	US Treasury Note 2.5% Due 1/31/2024	1,000,000.00	01/10/2023 4.69%	977,695.31 992,932.02	99.03 5.44%	990,273.00 4,211.96	0.32% (2,659.02)	Aaa / AA+ AA+	0.34 0.33
9128286G0	US Treasury Note 2.375% Due 2/29/2024	1,000,000.00	01/24/2023 4.68%	975,703.13 990,827.93	98.75 5.42%	987,539.00 2,022.66	0.32% (3,288.93)	Aaa / AA+ AA+	0.42 0.41
91282CEG2	US Treasury Note 2.25% Due 3/31/2024	2,000,000.00	Various 5.06%	1,949,726.56 1,972,983.00	98.43 5.47%	1,968,672.00 122.96	0.64% (4,311.00)	Aaa / AA+ AA+	0.50 0.49
91282CEK3	US Treasury Note 2.5% Due 4/30/2024	2,000,000.00	Various 4.95%	1,952,773.44 1,972,489.52	98.30 5.49%	1,966,016.00 20,923.92	0.65% (6,473.52)	Aaa / AA+ AA+	0.58 0.56

Holdings Report

As of September 30, 2023



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
<b>US TREASURY</b>									
912828WJ5	US Treasury Note 2.5% Due 5/15/2024	1,000,000.00	01/24/2023 4.65%	973,085.94 987,164.93	98.21 5.45%	982,070.00 9,442.93	0.32% (5,094.93)	Aaa / AA+ AA+	0.62 0.60
91282CEX5	US Treasury Note 3% Due 6/30/2024	2,000,000.00	Various 4.83%	1,957,812.50 1,973,699.50	98.18 5.50%	1,963,594.00 15,163.04	0.64% (10,105.50)	Aaa / AA+ AA+	0.75 0.72
91282CFA4	US Treasury Note 3% Due 7/31/2024	1,000,000.00	01/10/2023 4.46%	978,281.25 988,355.38	97.96 5.52%	979,648.00 5,054.35	0.32% (8,707.38)	Aaa / AA+ AA+	0.84 0.80
91282CFN6	US Treasury Note 4.25% Due 9/30/2024	1,000,000.00	01/12/2023 4.30%	999,179.69 999,521.70	98.83 5.47%	988,320.00 116.12	0.32% (11,201.70)	Aaa / AA+ AA+	1.00 0.96
91282CFQ9	US Treasury Note 4.375% Due 10/31/2024	2,000,000.00	Various 4.70%	1,991,406.25 1,993,197.94	98.88 5.45%	1,977,578.00 36,616.84	0.66% (15,619.94)	Aaa / AA+ AA+	1.09 1.02
91282CGD7	US Treasury Note 4.25% Due 12/31/2024	1,000,000.00	01/09/2023 4.21%	1,000,703.13 1,000,445.67	98.65 5.37%	986,523.00 10,740.49	0.32% (13,922.67)	Aaa / AA+ AA+	1.25 1.19
91282CEY3	US Treasury Note 3% Due 7/15/2025	2,000,000.00	Various 4.34%	1,943,125.00 1,954,899.21	96.37 5.15%	1,927,344.00 12,717.40	0.63% (27,555.21)	Aaa / AA+ AA+	1.79 1.70
9128285J5	US Treasury Note 3% Due 10/31/2025	2,000,000.00	Various 4.25%	1,939,882.82 1,950,997.89	96.02 5.03%	1,920,468.00 25,108.70	0.63% (30,529.89)	Aaa / AA+ AA+	2.09 1.96
91282CGA3	US Treasury Note 4% Due 12/15/2025	1,000,000.00	01/09/2023 3.96%	1,001,171.88 1,000,882.74	97.92 5.00%	979,180.00 11,803.28	0.32% (21,702.74)	Aaa / AA+ AA+	2.21 2.06
91282CHH7	US Treasury Note 4.125% Due 6/15/2026	2,000,000.00	06/15/2023 4.23%	1,994,375.00 1,994,924.66	98.15 4.86%	1,962,968.00 24,344.26	0.65% (31,956.66)	Aaa / AA+ AA+	2.71 2.50
91282CHM6	US Treasury Note 4.5% Due 7/15/2026	1,300,000.00	08/07/2023 4.47%	1,301,167.97 1,301,111.21	99.08 4.85%	1,288,015.30 12,399.46	0.42% (13,095.91)	Aaa / AA+ AA+	2.79 2.57
91282CHU8	US Treasury Note 4.375% Due 8/15/2026	1,000,000.00	09/08/2023 4.63%	992,968.75 993,100.30	98.76 4.84%	987,578.00 5,587.64	0.32% (5,522.30)	Aaa / AA+ AA+	2.88 2.65
91282CGH8	US Treasury Note 3.5% Due 1/31/2028	3,000,000.00	02/03/2023 3.61%	2,984,414.06 2,986,443.66	95.43 4.67%	2,863,008.00 17,690.22	0.94% (123,435.66)	Aaa / AA+ AA+	4.34 3.94
91282CFJ5	US Treasury Note 3.125% Due 8/31/2029	3,000,000.00	03/14/2023 3.85%	2,876,484.38 2,886,947.37	92.16 4.66%	2,764,689.00 7,984.20	0.90% (122,258.37)	Aaa / AA+ AA+	5.92 5.29
91282CFT3	US Treasury Note 4% Due 10/31/2029	3,000,000.00	02/21/2023 4.08%	2,985,117.19 2,986,463.53	96.55 4.66%	2,896,524.00 50,217.39	0.96% (89,939.53)	Aaa / AA+ AA+	6.09 5.23
91282CFY2	US Treasury Note 3.875% Due 11/30/2029	3,000,000.00	02/08/2023 3.77%	3,019,335.94 3,017,515.90	95.84 4.66%	2,875,314.00 39,067.62	0.95% (142,201.90)	Aaa / AA+ AA+	6.17 5.33

# Holdings Report

As of September 30, 2023



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/s&P Fitch	Maturity Duration
<b>US TREASURY</b>									
91282CGI4	US Treasury Note 3.5% Due 1/31/2030	3,000,000.00	01/30/2023 3.62%	2,977,265.63 2,979,426.15	93.73 4.65%	2,811,915.00 17,690.22	0.92% (167,511.15)	Aaa / AA+ AA+	6.34 5.55
91282CGQ8	US Treasury Note 4% Due 2/28/2030	3,000,000.00	Various 3.72%	3,050,546.88 3,046,794.57	96.44 4.65%	2,893,125.00 10,219.77	0.95% (153,669.57)	Aaa / AA+ AA+	6.42 5.56
91282CGS4	US Treasury Note 3.625% Due 3/31/2030	4,000,000.00	Various 3.60%	4,005,195.32 4,004,855.20	94.32 4.65%	3,772,968.00 396.17	1.23% (231,887.20)	Aaa / AA+ AA+	6.50 5.69
91282CHR5	US Treasury Note 4% Due 7/31/2030	2,000,000.00	08/17/2023 4.37%	1,955,937.50 1,956,649.87	96.33 4.63%	1,926,562.00 13,478.26	0.63% (30,087.87)	Aaa / AA+ AA+	6.84 5.85
91282CHW4	US Treasury Note 4.125% Due 8/31/2030	1,300,000.00	09/11/2023 4.37%	1,281,160.16 1,281,300.81	97.06 4.63%	1,261,812.50 4,566.96	0.41% (19,488.31)	Aaa / AA+ AA+	6.92 5.92
91282CFV8	US Treasury Note 4.125% Due 11/15/2032	3,000,000.00	Various 3.97%	3,036,445.31 3,034,208.52	96.45 4.61%	2,893,359.00 46,742.52	0.96% (140,849.52)	Aaa / AA+ AA+	9.13 7.37
91282CGM7	US Treasury Note 3.5% Due 2/15/2033	3,000,000.00	Various 3.67%	2,956,875.00 2,959,566.62	91.75 4.59%	2,752,500.00 13,410.32	0.90% (207,066.62)	Aaa / AA+ AA+	9.39 7.79
91282CHT1	US Treasury Note 3.875% Due 8/15/2033	1,500,000.00	09/11/2023 4.28%	1,450,898.44 1,451,155.80	94.48 4.57%	1,417,266.00 7,423.57	0.46% (33,889.80)	Aaa / AA+ AA+	9.88 8.02
<b>Total US Treasury</b>		<b>62,600,000.00</b>	<b>4.24%</b>	<b>61,828,761.33</b> <b>62,099,430.07</b>	<b>4.92%</b>	<b>60,425,397.27</b> <b>425,263.23</b>	<b>19.81%</b> <b>(1,674,032.80)</b>	<b>Aaa / AA+</b> <b>AA+</b>	<b>4.08</b> <b>3.53</b>
<b>TOTAL PORTFOLIO</b>		<b>312,927,056.09</b>	<b>3.96%</b>	<b>311,529,190.88</b> <b>311,700,412.56</b>	<b>4.97%</b>	<b>305,551,874.69</b> <b>1,650,212.99</b>	<b>100.00%</b> <b>(6,148,537.87)</b>	<b>Aa1 / AA</b> <b>AA+</b>	<b>1.92</b> <b>1.62</b>
<b>TOTAL MARKET VALUE PLUS ACCRUED</b>						<b>307,202,087.68</b>			

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# 3-Month Cashflow

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**SANTA CLARITA VALLEY WATER AGENCY**  
**3 - Month Cash Flow Projection**

**Cash Flow for September FY24 to November FY24**

DESCRIPTION	UNRESTRICTED		RESTRICTED		
	Checking	Investments	CIP Fund	SWC	Capacity Fees
<b>Beginning Balance (estimated):</b>	\$ 19,437,584	\$ 115,681,177	\$ 74,458,129	\$ 91,655,086	\$ 10,616,292
<b>September</b>					
Cash Provided from:					
Water Sales	11,634,169	-	-	-	-
Water Sales Misc <sup>1</sup>	60,000	-	-	-	-
Recycled Water Sales	40,600	-	-	-	-
Non Operating Income:					
Property Taxes	-	-	-	-	-
Capacity Fees	-	-	-	-	131,483
Interest Earned	491,166	-	142,188	327,708	-
Communication/Rental	44,189	-	-	-	-
Grants	-	-	-	-	-
Reimbursements <sup>2</sup>	392,612	-	-	-	-
Bond/Loan Proceeds	-	-	-	-	-
Other <sup>3</sup>	1,936	-	-	-	-
Cash Used/Added to/for:					
Monthly Expenses	(7,860,911)	-	-	(12,212)	-
DWR Payments	-	-	-	(1,900,000)	-
Misc. Water Purchases	(11,667)	-	-	(1,496,904)	-
Debt Service	(3,333)	-	-	-	-
CIP	(6,362,178)	-	(3,893,500)	-	-
CalPERS UAL	-	-	-	-	-
Txfr to/from	-	-	-	-	-
<b>Projected Ending Balance Sep</b>	\$ 17,864,167	\$ 115,681,177	\$ 70,706,817	\$ 88,573,678	\$ 10,747,775
<b>October</b>					
Cash Provided from:					
Water Sales	9,699,338	-	-	-	-
Water Sales Misc <sup>1</sup>	50,000	-	-	-	-
Recycled Water Sales	40,600	-	-	-	-
Non Operating Income:					
Property Taxes	-	-	-	-	-
Capacity Fees	-	-	-	-	131,483
Interest Earned	491,166	-	142,188	327,708	-
Communication/Rental	44,189	-	-	-	-
Grants	647,743	-	-	-	-
Reimbursements <sup>2</sup>	249,574	-	-	-	-
Bond/Loan Proceeds	-	-	-	-	-
Other <sup>3</sup>	1,936	-	-	-	-
Cash Used/Added to/for:					
Monthly Expenses	(7,652,511)	-	-	(12,212)	-
DWR Payments	-	-	-	(808,500)	-
Misc. Water Purchases	(11,667)	-	-	(1,486,703)	-
Debt Service	(3,333)	-	-	-	-
CIP	(6,362,178)	-	(3,893,500)	-	-
Txfr to/from	-	-	-	-	-
<b>Projected Ending Balance. Oct</b>	\$ 15,059,023	\$ 115,681,177	\$ 66,955,504	\$ 86,593,970	\$ 10,879,259

**SANTA CLARITA VALLEY WATER AGENCY**  
**3 - Month Cash Flow Projection**

**Cash Flow for September FY24 to November FY24**

DESCRIPTION	UNRESTRICTED		RESTRICTED		
	Checking	Investments	CIP Fund	SWC	Capacity Fees
<b>Beginning Balance (estimated):</b>	\$ 19,437,584	\$ 115,681,177	\$ 74,458,129	\$ 91,655,086	\$ 10,616,292
<b>November</b>					
Cash Provided from:					
Water Sales	8,731,922	-	-	-	-
Water Sales Misc <sup>1</sup>	45,000	-	-	-	-
Recycled Water Sales	40,600	-	-	-	-
Non Operating Income:					
Property Taxes	619,045	-	-	808,486	-
Capacity Fees	-	-	-	-	131,483
Interest Earned	491,166	-	142,188	327,708	-
Communication/Rental	44,189	-	-	-	-
Grants	647,743	-	-	-	-
Reimbursements <sup>2</sup>	253,781	-	-	-	-
Bond/Loan Proceeds	-	-	-	-	-
Other <sup>3</sup>	1,936	-	-	-	-
Cash Used/Added to/for:					
Monthly Expenses	(7,548,311)	-	-	(12,212)	-
DWR Payments	-	-	-	(808,500)	-
Misc. Water Purchases	(11,667)	-	-	(1,486,703)	-
Debt Service	(3,333)	-	-	-	-
CIP	(6,362,178)	-	(3,893,500)	-	-
Txfr to/from	-	-	-	-	-
<b>Projected Ending Balance Nov</b>	\$ 12,008,916	\$ 115,681,177	\$ 63,204,192	\$ 85,422,749	\$ 11,010,742

**Notes:**

<sup>1</sup> Water Sales Misc. includes Late Charges, Misc. Retail Charges, Rebates, and Water Sales-One time

<sup>2</sup> Reimbursements include Annexation and PERCH Reimbursements - O&M & CIP

<sup>3</sup> Other includes Laboratory Revenues and Other Non-Operating Revenue

# Debt & Cash Position

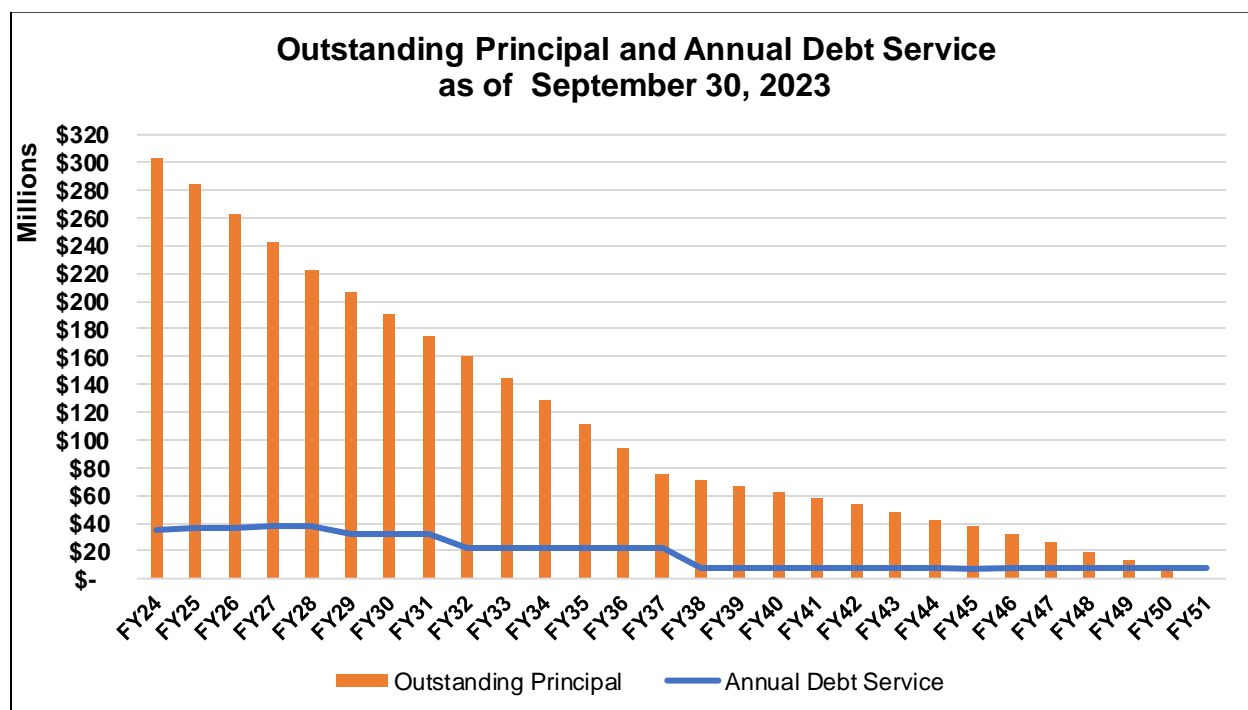
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This report reviews the Agency’s outstanding principal and debt service on an annual basis, and cash balances of unrestricted, restricted, and reserve funds as of September 30, 2023.

## DEBT SERVICE

The outstanding principal debt as of September 30, 2023, is \$303,948,226\* with an annual debt service of \$35,272,219. The debt payments are due in August and February of each fiscal year.

The outstanding principal and annual debt service payments shown in the graph below consists of the current outstanding debt and associated payments. It does not include potential future debt which may be approved and issued to fund construction projects.



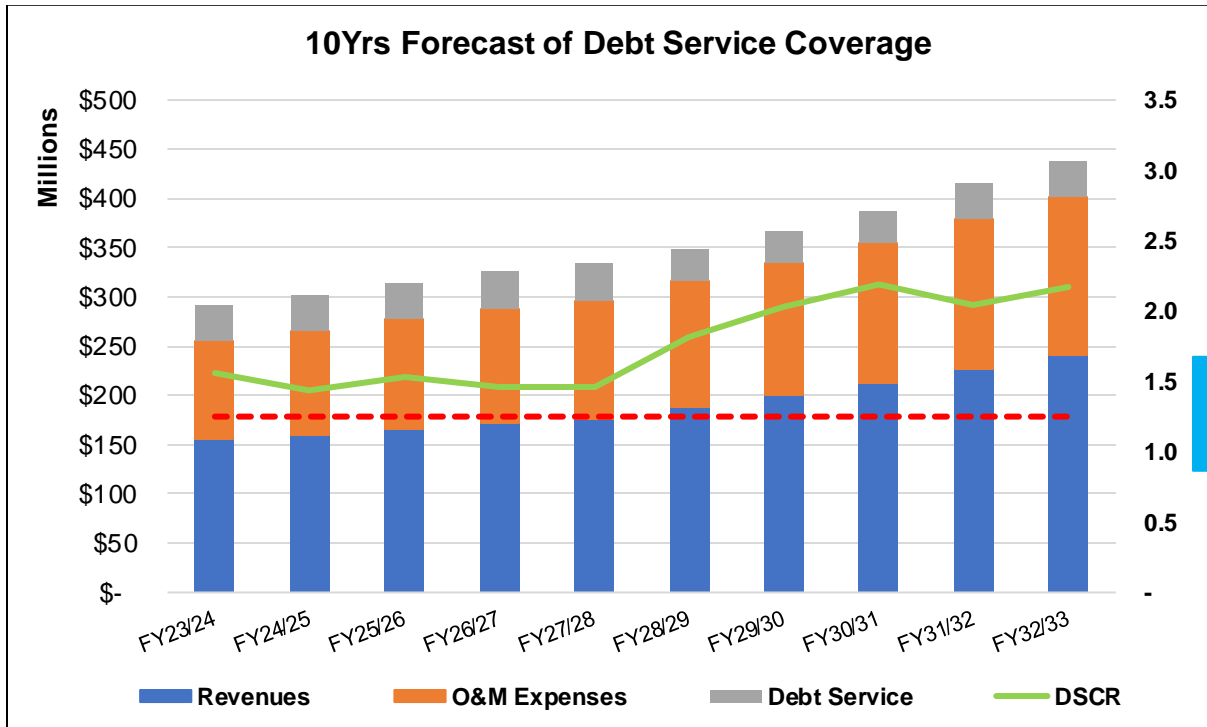
\*The outstanding principal of VWD (Valencia Water Division) Acquisition Interfund Loan of \$63,501,777 and accreted interest from the 1999 CAB is excluded from the outstanding principal balances.

## DEBT SERVICE COVERAGE RATIO

The debt-service coverage ratio (DSCR) is a measurement of the Agency's available cash flow to pay current debt obligations. The formula for the DSCR is:

$$DSCR = \text{Net Operating Income} \div \text{Total Debt Service}$$

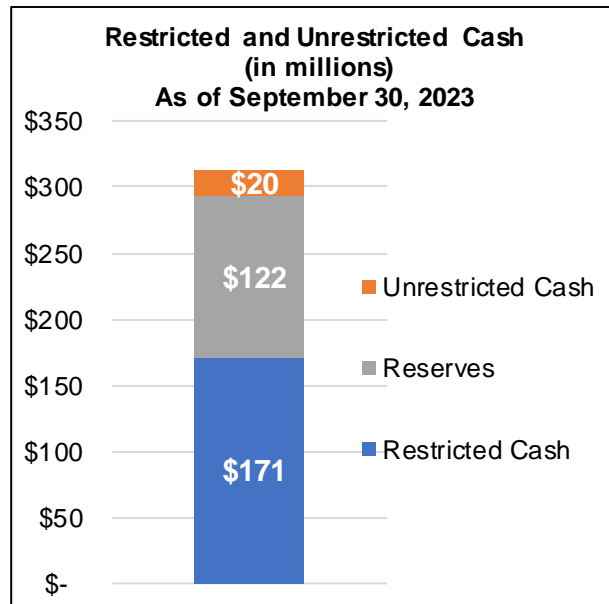
A DSCR of less than 1 indicates negative cash flow, typically signifies that an agency will have to take on additional debt in order to satisfy current obligations. The Agency’s Debt Management Policy prohibits this action. Most businesses use a minimum DSCR ratio of 1.25 as a benchmark, which indicates that the borrower will be able to pay back the loan with some added cushion. The current bond covenants require a DSCR of 1.20.



## CASH POSITION

As of September 30, 2023, the Agency has:

- A fully funded reserve balance of \$121,830,504 as per Agency policy, and
- Restricted cash of \$171,220,823 which includes the Facility/Retail Capacity Fee Funds, State Water Project Fund, and remaining Bond Proceeds, and
- Unrestricted cash of \$19,816,778 to meet the Agency's payment obligations such as operating expenses (including debt service), payroll expenses, insurance, CIP Pay-Go, etc.

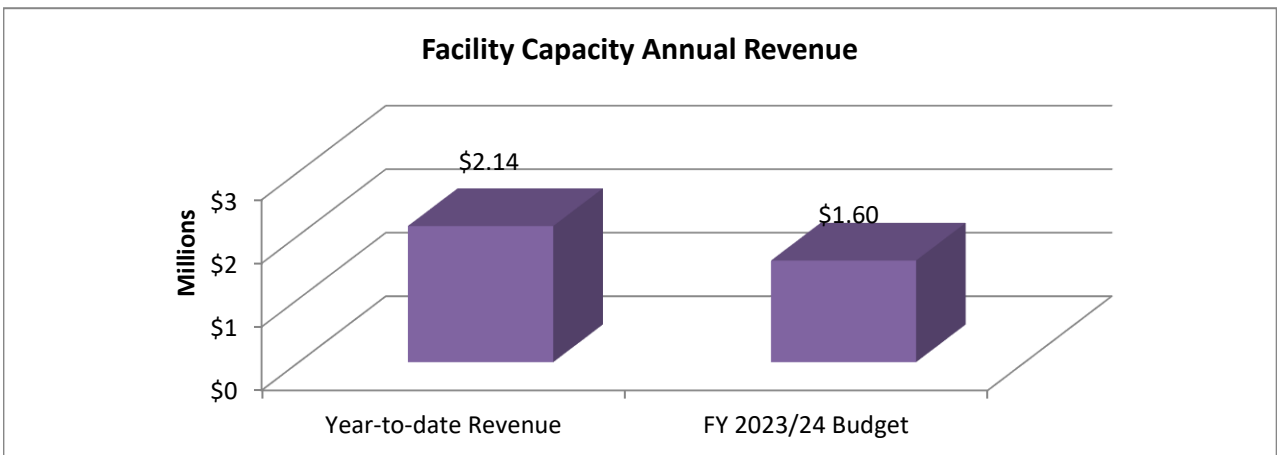
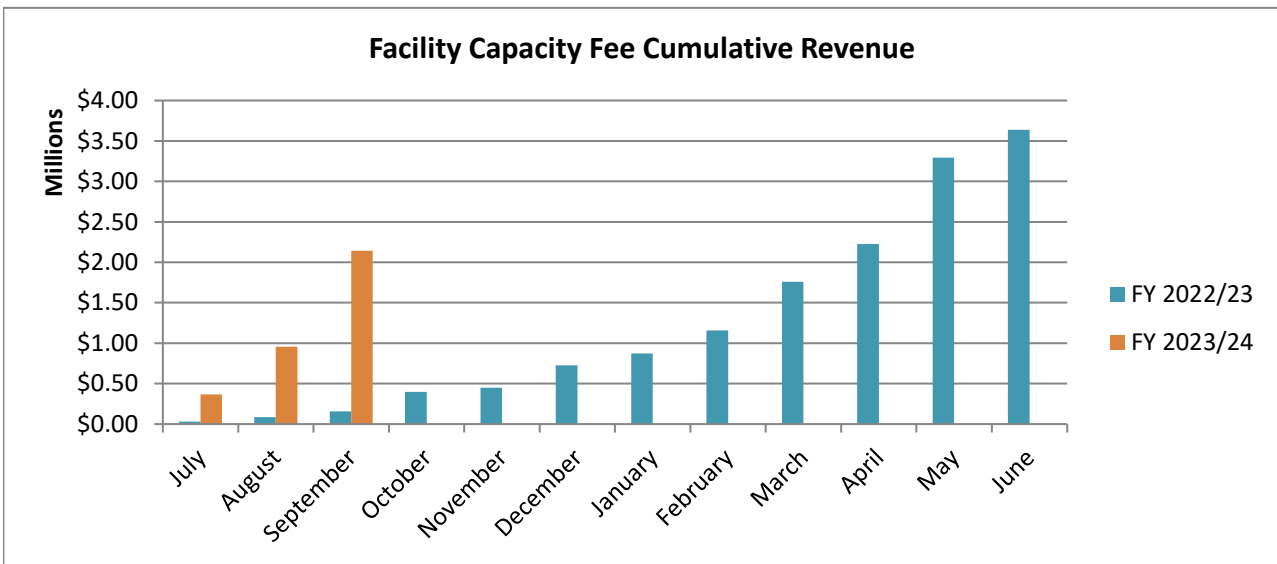
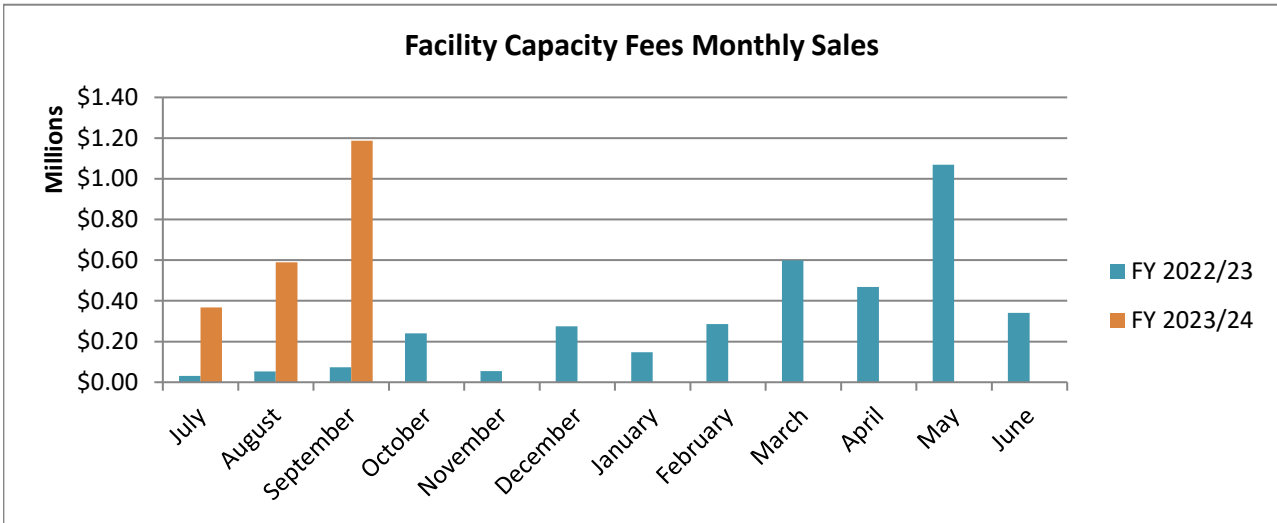




# Facility Capacity Fee Revenues

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## SCV WATER FACILITY CAPACITY FEE REVENUES FY 2023/24 as of September 30, 2023



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# Ten Largest Disbursements Check Register

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**SCV Water**  
 Ten Largest Disbursements  
 September 1, 2023 to September 30, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Payment_Amount
1	09-13-2023	Pacific Hydrotech Corporation	Santa Clara & Honby Wells PFAS Groundwater Treatment Improvement - Construction, Progress Payment through 7/31/23	CHECK	853,033.27
	<b>Pacific Hydrotech Corporation</b>				<b>853,033.27</b>
2	09-06-2023	Pacific Hydrotech Corporation	ESFP Washwater Return and Sludge Collection Project, Progress Payment through 7/20/23	CHECK	831,341.33
	<b>Pacific Hydrotech Corporation</b>				<b>831,341.33</b>
3	09-06-2023	Zim Industries, Inc.	Replacement (Saugus 3 & 4) Wells Construction Project, Progress Payment through 7/31/23	SCV_ACH	735,802.55
	<b>Zim Industries, Inc.</b>				<b>735,802.55</b>
4	09-20-2023	X-Act Technology Solutions, Inc.	Agreement Managed Security Services - Sep 2023	SCV_ACH	14,200.00
			HPE 8 TB Hard Drive - 3.5" Internal (10), HPE Proliant DL380 Gen10+ Support (1), Installation		45,680.74
			Subscription License (1), HPE Alletra dHCI 5010H DC CTO Base Array (1), HPE Nimble Storage dHCI Base Deploy SVC (1)		89,440.06
			HPE Store Fabric SN2010M 25GbE 18SFP28 4QSFP28 Switch (4), Installation (4), HPE 32GB 2Rx4 PC4-3200AA-R Smart Kit (24)		92,095.98
			Agreement Azure Usage - Sep 2023		21,859.25
			Agreement Office 365 - Sep 2023		14,702.33
			Agreement Managed IT Support Services - Sep 2023		16,434.00
			HPE Proliant DL360 Gen10+ Support (3), HPE Nimble Storage dHCI Base Deploy SVC (1), HPE Alletra dHCI 5010H DC CTO Base Array (1), HPE Alletra 5010H 1.92TB FIO Cache Bdl (2)		89,440.08
			HPE SN2010M 18SFP28 4QSFP28 P2C Swch (2), HPE Alletra dHCI 5010H DC CTO Base Array (1), HPE Nimble Storage dHCI Base Deploy SVC (1)		93,175.90
			<b>X-Act Technology Solutions, Inc.</b>		
5	09-13-2023	Pacific Hydrotech Corporation	Well 201 VOC Groundwater Treatment Improvements, Progress Payment through 7/31/23	CHECK	453,957.50
	<b>Pacific Hydrotech Corporation</b>				<b>453,957.50</b>
	09-26-2023	So. California Edison Co.	LK Hughes E/S Dam 7/28/23-8/27/23	AUTO_DEBIT	1,306.38

**SCV Water**  
 Ten Largest Disbursements  
 September 1, 2023 to September 30, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Payment_Amount
			25849 1/2 Railroad Ave 7/28/23-8/27/23		6,678.90
			Bouquet Canyon Road 7/19/23-8/16/23		13.81
			32700 Lake Hughes Road 7/28/23-8/27/2		87.60
			27234 Bouquet Canyon Rd SB 7/28/23-8/27/23		42.01
			25401 Bouquet Canyon 7/27/23-8/24/23		181,124.40
			23308 Magic Mountain 7/11/23-8/8/23		3,496.77
			23498 Newhall Ranch Rd 7/28/23-8/27/23		18.74
			28185 The Old Rd 7/28/23-8/27/23		7,315.90
			26503 Mcbean Pkwy 7/28/23-8/27/23		17.51
			32700 Lake Hughes Rd W 7/28/23-8/27/23		22,397.44
			27930 1/2 Lost Canyon Rd 7/28/23-8/27/23		173.59
			27171 1/2 Camp Plenty 7/28/23-8/27/23		38.24
			20545 Santa Clara St 7/28/23-8/27/23		183,216.30
			27295 Rolling Hills Ave 7/28/23-8/27/23		351.54
			17213 Medley Ridge Dr 7/28/23-8/27/23		42.04
			27234 1/2 Bouquet Canyon Rd 7/28/23-8/27/23		140.35
			27475 1/2 Canyon View Dr 7/13/23-8/10/23		86.71
			26501 Summit Cir 7/24/23-8/21/23		872.37
			26505 Summit Cir 7/24/23-8/21/23		549.27
			26979 Westridge 7/28/23-8/27/23		34.25
			27139 Honby Ave PED 7/21/23-8/20/23		23.20
6		<b>So. California Edison Co.</b>			<b>408,027.32</b>
	09-26-2023	So. California Edison Co.	21363 Soledad Canyon Rd U4 7/24/23-8/21/23	AUTO_DEBIT	1,644.88
			28201 1/2 River Trail Ln Well 8/3/23-8/31/23		3,375.78
			28830 Hancock Pkwy U 8/1/23-8/29/23		5,325.99
			27118 Vista Delgado Dr B 8/15/23-9/13/23		8,589.94
			26024 Kavenagh Ln 8/11/23-9/11/23		7,474.65
			28410 Hillcrest Pkwy 7/27/23-8/24/23		5,090.26



**SCV Water**  
 Ten Largest Disbursements  
 September 1, 2023 to September 30, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Payment_Amount
			30400 Vineyard Ln PED 7/27/23-8/24/23		364.69
			23416 Magic Mountain Pkwy V5 8/9/23-9/7/23		8,128.06
			Avenidavelarte V6 8/9/23-9/7/23		98.65
			23503 Valencia Blvd N68 8/14/23-9/12/23		16,695.75
			24526 Sagecrest Cir LAR 8/10/23-9/10/23		9,145.13
			Firebrand 8/14/23-9/12/23		2,100.96
			28424 Tamarack Ln 8/16/23-9/14/23		3,027.48
			26975 Westridge Pkwy 8/14/23-9/12/23		8,433.96
			28139 Blacksmith Dr 8/16/23-9/14/23		18.02
			23790 Bridgeport S8 8/16/23-9/14/23		829.95
			23850 Bridgeport S7 8/16/23-9/14/23		123.55
			25001 Decoro Pmp 8/16/23-9/14/23		1,692.84
			23600 Decoro Driv 7/24/23-8/21/23		10,362.01
			24050 Valencia Blvd 7/24/23-8/21/23		203.29
			27101 Ridge Road 160 7/24/23-8/21/23		6,266.84
			26477 Bouquet Canyon Rd 7/24/23-8/21/23		13,185.47
			25112 Rye Canyon Loop 7/24/23-8/21/23		231.30
			25234 Valencia 7/24/23-8/21/23		19,178.90
			25841 Tournament Rd 7/24/23-8/21/23		22.26
			27700 Golden St 7/24/23-8/21/23		128.78
			28400 Copper Hill Dr PED 7/24/23-8/21/23		548.86
			25197 Aurora Dr 7/24/23-8/21/23		6,461.70
			28531 Farrier Dr PED 7/24/23-8/21/23		17.55
			23816 Auto Center N7 7/24/23-8/21/23		28,335.31
			23817 Auto Center N8 7/24/23-8/21/23		17,880.56
			27508 Newhall Ranch Rd 7/24/23-8/21/23		156.88
			24439 Valencia 7/24/23-8/21/23		500.66
			29238 Black Pine Way U 7/24/23-8/21/23		20.48

**SCV Water**  
 Ten Largest Disbursements  
 September 1, 2023 to September 30, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Payment_Amount
			24341 Valencia Blvd 7/24/23-8/21/23		12,128.77
			28820 Bellows Ct U 7/24/23-8/21/23		1,941.25
			23900 Bridgeport S6 7/24/23-8/21/23		2,153.61
			25600 Hwy 99/159EMG PMP 7/24/23-8/21/23		2,615.74
			26353 Mcbean Pkwy 8/11/23-9/11/23		3,116.65
			27502 Hasley Canyon Rd D 7/19/23-8/16/23		96.97
			28053 Carnegie Ave CAR 7/21/23-8/20/23		5,478.87
			28432 Livingston Ave 7/19/23-8/16/23		2,599.84
			26280 1/2 Gladding 7/21/23-8/20/23		119.22
			25901 Tournament Rd 8/10/23-9/10/23		9,480.18
			26908 Feedmill Rd U 7/24/23-8/21/23		35,806.87
			25101 Sagecrest Cir 7/24/23-8/21/23		240.89
			25550 Hemmingway Ave 7/24/23-8/21/23		16,656.59
			26290 Shakespeare Ln 7/24/23-8/21/23		16.15
			26748 Sandburn PI PED 7/24/23-8/21/23		25.26
			28202 Cascade Rd PED 7/24/23-8/21/23		37.20
			28318 Witherspoon Pkwy PED 7/24/23-8/21/23		16.14
			29646 The Old Rd U 7/24/23-8/21/23		24.04
			30016 Hamlet Way TPP 7/24/23-8/21/23		20.18
			25774 Oak Meadow DR 7/24/23-8/21/23		26.36
			26608 Feedmill Rd U 7/24/23-8/21/23		9,125.61
			25507 Oak Meadow 7/24/23-8/21/23		16.05
			26797 Westridge 7/24/23-8/21/23		15.22
			26994 Willowbrook Ln U 7/24/23-8/21/23		16.09
			23100 Lowridge PI U 7/24/23-8/21/23		16.43
			30149 Galbreth Ct 7/24/23-8/21/23		14.18
			29909 Bancroft PI 7/24/23-8/21/23		16.17

**SCV Water**  
 Ten Largest Disbursements  
 September 1, 2023 to September 30, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Payment_Amount
			28636 Livingston Ave 7/24/23-8/21/23		386.35
			26629 Bouquet Canyon Rd 8/17/23-9/17/23		4,477.83
			22555 Brightwood Pl 8/17/23-9/17/23		118.89
7	<b>So. California Edison Co.</b>				<b>292,464.99</b>
	09-06-2023	HPS West, Inc	1 IN MASTER METER ALLEGRO (148), 2 IN MASTER METERS ALLEGRO (30)	SCV_ACH	93,266.01
			6 IN MASTER OCTAVE METER W/MOD (6), 1-1/2 IN MASTER METER ALLEGRO (15)		40,368.38
			3/4 IN MASTER METER ALLEGRO (294)		102,096.88
8	<b>HPS West, Inc</b>				<b>235,731.27</b>
	09-27-2023	Evoqua Water Technologies, LLC.	1 Vessel Change Out for SPTF Removal and Disposal	SCV_ACH	183,208.84
9	<b>Evoqua Water Technologies, LLC.</b>				<b>183,208.84</b>
	09-26-2023	So. California Edison Co.	25143 Railroad Ave W12 7/13/23-8/10/23	AUTO_DEBIT	27,936.50
			23482 Fambrough St 7/7/23-8/3/23		1,801.63
			24603 Peachland Ave PMP 7/7/23-8/3/23		5,632.42
			24262 1/2 Cross St 7/7/23-8/3/23		2,378.09
			23778 1/2 Valle Del Oro 7/19/23-8/16/23		7,557.22
			Sloan Cyn/Quail Valley 7/17/23-8/14/23		2,517.97
			25359 Railroad Ave PMP 7/19/23-8/16/23		24,904.85
			25357 Railroad Ave 7/19/23-8/16/23		25,760.67
			Lost Cyn W/O Oak SP 7/27/23-8/24/23		72.68
			15650 Lost Canyon Road 7/27/23-8/24/23		6,185.21
			15899 Lost Canyon Road PMP 7/27/23-8/24/23		83.35
			24001 1/2 Briardale Way 7/19/23-8/16/23		63.71
			29251 Mammoth Ln 7/28/23-8/27/23		6,569.38
			32080 Ridge Route 7/19/23-8/16/23		16,651.10
			25201 Rye Canyon Dr 7/19/23-8/16/23		12,182.64
			14751 Hydrangea Way 7/19/23-8/16/23		171.84
			25175 Deputy Jake Way 7/19/23-8/16/23		68.08
			24300 The Old Rd PMP 7/14/23-8/13/23		439.31

SCV Water  
 Ten Largest Disbursements  
 September 1, 2023 to September 30, 2023

No.	Date	Supplier_Name	Invoice_Description	Pmt Method	Payment_Amount
			31400 Castaic Rd PMP 7/13/23-8/10/23		2,981.31
			29505 Avenida Rancho Tesoro U 7/19/23-8/16/23		7,291.82
10		<b>So. California Edison Co.</b>			<b>151,249.78</b>

**Total** **4,621,845.19**

**Total-All Disbursements Issued During September 2023** **8,370,555.62**

**Largest Ten Vendor Payments as Compared to Total** **55%**

# Credit Card Register

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**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
<b>(PC) 8870 ROYAL</b>	<b>44.38</b>
Non-Contact Voltage Detector. small electrical tool for truck I-65	44.38
<b>8336322778 ELECTRIFY AMER</b>	<b>313.42</b>
EV Charging - Fleet	363.42
EV Charging - Fleet Refund	(50.00)
<b>ADOBE *ACROPRO SUBS</b>	<b>8,964.78</b>
Adobe subscription	8,964.78
<b>ADOBE *ADOBE</b>	<b>71.97</b>
Adobe Enterprise Tenant for testing SSO deployment.	71.97
<b>ADOBE PRODUCTS</b>	<b>(71.97)</b>
Adobe Products	(71.97)
<b>AED SUPERSTORE</b>	<b>219.00</b>
AED Safety Signs - Facilities	219.00
<b>AIM MAIL CENTER # 114</b>	<b>56.18</b>
Send in PTP-NH3 flow meter for warranty repair Location: Perchlorate Plant	56.18
<b>ALBERTSONS #1360</b>	<b>22.32</b>
Board Meeting Supplies	7.81
Vending Machine Supplies	14.51
<b>ALBERTSONS #3301</b>	<b>27.96</b>
Ice Cream for Birthdays and Anniversary August 2023	27.96
<b>ALL ISLAND INDUSTRIAL SA</b>	<b>196.90</b>
Metal Thermometer for ESFP Ozone Generator #2	196.90
<b>AMAZON.COM AMZN.COM/BILL</b>	<b>9.90</b>
Outreach Supplies	9.90
<b>AMAZON.COM*TH5WN5DE2</b>	<b>96.56</b>
SWOT Supplies	96.56
<b>AMERICAN AIR</b>	<b>621.40</b>
Airfare for AWWA Conference Sep 10-13	621.40
<b>AMERICAN CRANE SCHOOL</b>	<b>2,995.00</b>
Crane School - K Whitney	2,995.00
<b>AMZN MKTP US</b>	<b>777.49</b>
Battery for Princess Booster Meeter	12.03
Board Meeting Supplies	53.42
Ferrules for North Oaks Booster	17.72
Holiday Party - Decorations	28.80
K. Martin Retirement Party	35.25
K. Martin retirement party supplies	55.11
Liquid Leak Detector	117.66
PLC replacement batteries	295.56
Portable Flag Pole & Flag	54.74
<b>AN FORD VALENCIA</b>	<b>184.73</b>
Brake pads #S29	88.41
Door assembly cable for #S29	96.32
<b>APPLE.COM/BILL</b>	<b>72.93</b>
Bluebeam Revu app for N. Pipitharut's Agency iPad.	9.99
Bluebeam Revu for M. Aumentado's Agency iPad.	9.99
Jump app for Donnie Best's Agency iPhone.	14.99
Jump app for J. Rosales and J. Martinez.	29.98
<b>AQUA-FLO SUPPLY INC #3</b>	<b>145.48</b>
Brass Fittings	37.66
PVC Parts	107.82
<b>ARROW TOOLS FASTENERS</b>	<b>292.71</b>
Sono tubes for the new lighting at Rio	292.71
<b>ASSN *ORDER</b>	<b>340.00</b>
AICPA Annual Membership Renewal	340.00
<b>ASSOCIATION OF CALIFORNI</b>	<b>11,075.00</b>
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - A. Elhassan	815.00

## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - Director Armitage	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - Director Braunstein	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - Director Cooper	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - Director Gutzeit	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - Director Marks	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - Director Martin	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - K. Strauss	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - M. Stone	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - N. Pitois	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - O. Moreno	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - R. Patterson	815.00
ACWA 2023 Fall Conference - 11/28-11/30/23 - Registration - S. Cole	815.00
ACWA Region 8 Program & Tour - 07/13/23 - Registration - A. Elhassan	60.00
ACWA Region 8 Program & Tour - 07/13/23 - Registration - Director Armitage	60.00
ACWA Region 8 Program & Tour - 07/13/23 - Registration - Director Braunstein	60.00
ACWA Region 8 Program & Tour - 07/13/23 - Registration - Director Martin	60.00
ACWA Region 8 Program & Tour - 07/13/23 - Registration - N. Pitois	60.00
ACWA Region 8 Program & Tour - 07/13/23 - Registration - S. Fleury	60.00
ACWA Regions 6 & 7 & Water Forum 2023 - 10/12-13/2023 - Registration - Director Orzechowski	120.00
<b>ATO INC</b>	<b>991.65</b>
Ammonia gas detector for RVWTP & ESFP	991.65
<b>ATYOURPACEONLINE.COM</b>	<b>125.00</b>
Staff CEU's: 16-Hour Course for Level 2 Operators, for C Nigra	125.00
<b>AU 2023AU2023 PAYMENT</b>	<b>4,300.00</b>
Autodesk 2023 Conference - A. Kajganic attending	2,150.00
<b>AUTOMATED GATE SUPPLY IN</b>	<b>993.10</b>
Gate sensor and limit switches	331.10
Parts for gates at SCVWA sites	331.00
Parts for the gates at SCVWA sites	331.00
<b>AWWA EVENTS</b>	<b>735.00</b>
AWWA Conference Sep 10-13	95.00
Part 2 of AWWA Conference Fee Sep 10-13	640.00
<b>AWWA.ORG</b>	<b>185.50</b>
M1 Principles of Water Rates, Fees, and Charges (Print + PDF)	185.50
<b>BEST BUY 00001131</b>	<b>418.21</b>
Binoculars	98.49
iPhone and iPad chargers and case	319.72
<b>BOB HOPE AIRPORT</b>	<b>108.00</b>
Airport Parking	54.00
Parking at the Burbank Airport	54.00
<b>BOX, INC.</b>	<b>1,800.00</b>
File share subscription	600.00
File sharing subscription	1,200.00
<b>BROTHERS BURGERS</b>	<b>167.49</b>
Bimonthly meeting with supervisor and Seniors	100.43
Bimonthly meeting with Supervisor and Seniors.	67.06
<b>BROWN AND CALDWELL</b>	<b>400.00</b>
Recruitment for Water Systems Technician	200.00
Recruitment job posting.	200.00
<b>CALENDLY</b>	<b>144.00</b>
Calendly monthly subscription	144.00
<b>CALI PIZZA KITC INC #260</b>	<b>316.45</b>
Quarterly Finance Department Team Building Lunch	264.77
<b>CALIFORNIA ASSOCIATION OF</b>	<b>1,914.00</b>
2024 4-day CAPPO Conference	495.00
Better RFPs, Better Projects CAPPO Seminar	60.00
CAPPO Conference Registration - January 2024	495.00



## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
CAPPO Conference Registration - L. Moncada	495.00
CAPPO Registration	140.00
CAPPO Seminar - August 30, 2023 - Member Price	95.00
CAPPO Surplus Best Practices Seminar	39.00
Elements of a Contract - Seminar	95.00
<b>CALIFORNIA SPECIAL DIS</b>	<b>2,125.00</b>
CSDA Board Secretary/Clerk Conference Registration	625.00
CSDA Conference - E. Adler Registration	675.00
CSDA's 2023 Special District Leadership Academy Conference - 10/22-25/2023 - Registration - Director Marks	625.00
Virtual Workshop: Brown Act in an Endemic World - 10/11-10/12/23 - Registration - April Jacobs	200.00
<b>CALPERS CVENT</b>	<b>449.00</b>
CALPERS Conference Registration - L. Medina	449.00
<b>CA-NV SECTION, AWWA</b>	<b>4,263.00</b>
AWWA Fall Conference Registration for E. Sobczak.	509.00
AWWA Fall Conference Registration for M. Gutierrez.	509.00
AWWA Training - A. Davis	350.00
AWWA Wes Conference registration fees/contact hour fees for staff attendance (P. Woeger/T. Braxhoofden) on 8/16.	300.00
CA-NV AWWA Water Education Seminar, August 16, 2023: C. Jens	200.00
CA-NV AWWA Water Education Seminar, August 16, 2023: K. Whitney	200.00
CA-NV AWWA Water Education Seminar, August 16, 2023: R. Huish	200.00
Customer Service Online Webinar - S. Sanchez	350.00
Customer Service Online Webinar - T. Wilson	350.00
D1-D2 Math Review Webinar on behalf of C. Saenz, Inspector.	360.00
Staff Training: SCADA Ops Webinar for T. Braxhoofden & P. Woeger	310.00
Water Education Seminar - J. Mahar	200.00
Water Education Seminar - M. Steveson	200.00
Water Education Seminar - S. Jackson	200.00
WES - CEU's	25.00
<b>CANVA* I03816-32438939</b>	<b>119.99</b>
Annual Canva Account	119.99
<b>CANVA* I03833-30811104</b>	<b>36.55</b>
Added users to Canva account.	36.55
<b>CAPIO - CA ASSOCIATION OF</b>	<b>400.00</b>
CAPIO membership renewal (annual)	275.00
<b>CARLS JR 1100608</b>	<b>157.59</b>
Lunch for crew during emergency repair of Villa BS	87.99
Lunch for crew, Villa BS repair	69.60
<b>CARLS JR 160</b>	<b>45.27</b>
Bought Crew Lunch working leaking at Poppy Meadow	45.27
<b>CHARMAINES* CHARMAINES</b>	<b>116.60</b>
Memorial flower delivery for P. Halushka's family	116.60
<b>CHEESECAKE VALENCIA</b>	<b>179.21</b>
HR Lunch Meeting	179.21
<b>CHI CHIS PIZZA</b>	<b>134.18</b>
FY 22/23 Review Lunch - J. Gilliam and R. Maldonado	63.19
Lunch with L. Quintero and M. Restivo	70.99
<b>CHICK-FIL-A #02317</b>	<b>26.48</b>
Breakfast for crew working on replacing meters at Town Center and Magic Mountain Road	26.48
<b>CHIPOTLE 3933</b>	<b>15.32</b>
CSTI - Emergency Management Training Class	15.32
<b>CHRONIC TACOS - SAUGUS</b>	<b>115.19</b>
Meal for Crew working Leak at Elder Creek	115.19
<b>CLICKSEND.COM RECHARGE</b>	<b>100.00</b>
Clicksend Recharge	20.00
Clicksend Subscription	20.00
Clicksend.com charges	20.00

## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
CLICKSEND.COM RECHARGE	40.00
<b>CLOUDWAYS LTD</b>	<b>138.92</b>
Cloudways domain hosting subscription for the agency website	56.00
Domain hosting renewal charges for agency website. website, scvwa.org domain hosting/renewal	26.92
	56.00
<b>CMT SACRAMENTO27680016</b>	<b>52.40</b>
Taxi from airport to hotel	52.40
<b>CONTROLS INC</b>	<b>826.25</b>
M&R Vehicles: emissions control panel for blue pump (time sensitive)	826.25
<b>CORNER BAKERY 0096</b>	<b>8.79</b>
DC Trip - Breakfast	8.79
<b>CORNER BAKERY 0208</b>	<b>2,604.01</b>
Annual Audit Planning Meeting	110.00
Breakfast for Heavy Equipment Training	1,098.65
Breakfast for Rail Road Safety Training	310.20
Breakfast for Railroad Safety Training	620.40
Communications Staff strategic planning session	99.86
SmartWorks Implementation Kick-Off and Discovery Meeting Breakfast	333.95
<b>COSTCO DELIVERY 653</b>	<b>2,233.17</b>
Land O'Lakes Mini Moo's half & Half Creamer Singles - Item was not included in August Order - credit given	(13.39)
Office Supplies - Non Taxable	937.81
Office Supplies - Taxable	1,308.75
<b>COSTCO WHSE #0447</b>	<b>290.33</b>
Office Supplies - Hefty Diamond Compostable Plates	19.15
Returned 1 Box of Land'O Lakes Creamers. Refund on Order 1034499626	(13.39)
Staff Appreciation Bowling - Cookies	39.96
Tour of the Santa Clarita Water Board Facility	244.61
<b>COSTCO WHSE #0762</b>	<b>83.99</b>
Office Supplies	83.99
<b>COSTCO WHSE #653</b>	<b>15.89</b>
Vending Machine Supplies	15.89
<b>CROWN TROPHY</b>	<b>236.52</b>
Additional and corrected name badges as well as name plates for new hires	212.43
Name Plate - K. Strauss	24.09
<b>CSMFO</b>	<b>500.00</b>
Intermediate Governmental Accounting Seminar Registration 9/12/23-9/13/23 L. Lazaro	100.00
Intermediate Governmental Accounting Seminar Registration 9/12/23-9/13/23 R. Sierra	-
Intermediate Governmental Accounting Seminar Registration 9/6/23-9/20/23 K. Herrera	200.00
Intermediate Governmental Accounting Seminar Registration 9/6/23-9/20/23 R. Sierra	200.00
<b>CURRENCY CONVERSION FEE</b>	<b>2.39</b>
Click Send	0.20
Clicksend Currency Conversion	0.47
Clicksend Currency Conversion Fee	0.20
Currency Conversion Fee	0.76
CURRENCY CONVERSION FEE Clickcharge	0.20
Quest Conversion Fee	0.56
<b>CVS/PHARMACY #09636</b>	<b>5.46</b>
Sympathy Card	5.46
<b>CVS/PHARMACY #09858</b>	<b>24.92</b>
Photos for K. Martin's Retirement Party	24.92
<b>CYBERRISK ALLIANCE LLC</b>	<b>1,495.00</b>
Information Security World Conference Invoice	1,495.00
<b>DAPPER DANS CARWASH</b>	<b>215.70</b>
Car Wash	78.90
Car wash for truck #53	12.00
Car Wash Monthly Pass	29.95
M&R Vehicles: Vehicle 124 carwash	15.00

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Monthly Car Wash	29.95
Monthly car wash pass	29.95
Recurring Monthly Charge for Car Wah	19.95
<b>DARIO'S MEXICAN RESTAURAN</b>	<b>40.94</b>
Lunch Meeting	40.94
<b>DELTA AIR</b>	<b>422.80</b>
Airfare Flight LAX to MCO	422.80
<b>DISPUTE-AMAZON.COM AMZN.C</b>	<b>(9.90)</b>
Credit for Outreach Supplies	(9.90)
<b>DKS 2112</b>	<b>107.70</b>
ESFP gate access and cellular service	107.70
<b>DNH*DOMAIN HOSTING SRVCS</b>	<b>1,631.76</b>
2yr renewals: scvh2o.net, castaicklakewateragency.net, santaclaritawater.org, scvh2o.org, scvh2o.com	234.04
3yr renewal castaicklakewateragency.com	54.51
3yr renewal domain scvwater.net	57.51
CLWAINFO domain renewal.	94.85
Quarterly web hosted server scvwa.web.host	542.94
SCWater.org renewal	20.17
SSL certificate renewal for gas domain	135.98
Virtual private server - 1 year renewal.	491.76
<b>DNH*DOMAIN/HOSTING</b>	<b>270.38</b>
2 year domain renewals misc. .com	270.38
<b>DODGER STADIUM TICKET</b>	<b>50.00</b>
Bus Parking	50.00
<b>DRI*</b>	<b>35.95</b>
Tenor share 4uKey	35.95
<b>DUCK HOUSE RESTAURANT</b>	<b>37.90</b>
Lunch for J. Diaz and R. Lustig emergency training.	37.90
<b>DUNKIN #357241</b>	<b>145.92</b>
Garden Class - Refreshments	145.92
<b>EB 2023 ECONOMIC OUTL</b>	<b>875.00</b>
2023 Economic Outlook Forecast - 09/15/23 - Registration - D. Conner	125.00
2023 Economic Outlook Forecast - 09/15/23 - Registration - Director Cooper	125.00
2023 Economic Outlook Forecast - 09/15/23 - Registration - E. Dill, R. Patterson	250.00
2023 Economic Outlook Forecast - 09/15/23 - Registration - S. Cole	125.00
2023 Economic Outlook Forecast - 09/15/23 - Registration - T. Bell, A. Jacobs	250.00
<b>EB CITY OF SANTA CLAR</b>	<b>480.00</b>
State of the City - 10/26/23 - Registration - D. Conner, K. Grass	80.00
State of the City - 10/26/23 - Registration - Director Orzechowski	40.00
State of the City - 10/26/23 - Registration - Directors Armitage, Cooper, Gutzeit, Marks & Martin	200.00
State of the City - 10/26/23 - Registration - L. Gallegos, K. Strauss, L. Gibson	120.00
State of the City - 10/26/23 - Registration - T. Bell	40.00
<b>EGG PLANTATION</b>	<b>45.76</b>
FY 22/23 Review Brunch - C. Mael and J. Gilliam	45.76
<b>EIG</b>	<b>1,445.00</b>
Constant Contact email marketing	940.00
Constant Contact email marketing services	505.00
<b>EL PATO</b>	<b>433.35</b>
Bought Crew Lunch for main line leak 19102 Vicci street	241.48
Bought Crew Lunch working on replacing meter at Town Center	96.08
Dinner for Crew replacing gate valves	95.79
<b>EL PUERTO SEAFOOD</b>	<b>406.97</b>
GIS Conference Lunch. GIS, Water Resources & Engineering Staff.	406.97
<b>ELECTROCHEM</b>	<b>305.62</b>
ECD probe issues for LC2A	305.62
<b>EMBASSY SUITES VALENCIA</b>	<b>3,867.45</b>
Strategic Planning Workshop - Room & Food 2nd Deposit - 09/08/23 - Special Board Meeting	2,908.94

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Strategic Planning Workshop - Room & Food Deposit - 09/08/23 - Special Board Meeting	958.51
<b>ENGINEERS BD</b>	<b>180.00</b>
California Board for Professional Engineers, Land Surveyors, and Geologists Biennial Renewal for S. Bader.	180.00
<b>EVEREST BURGERS</b>	<b>178.57</b>
Breakfast for Heavy Equipment Training	178.57
<b>EXPEDIA 72630361103052</b>	<b>19.00</b>
Flight protection fee for Roundtrip to San Francisco	19.00
<b>FACEBK 9QTB6RFYD2</b>	<b>24.88</b>
Water Matters boosted post	24.88
<b>FEDEX OFFIC19000019034</b>	<b>7.73</b>
Printing for K. Martin's Retirement party	7.73
<b>FEDEX399379147165</b>	<b>125.55</b>
Package Delivery Service to Geoff Bowman at Van Scoyoc Association	125.55
<b>FEDEX782471980895</b>	<b>35.47</b>
Railroad right of way permit application	35.47
<b>FERGUSON ENT #616</b>	<b>744.53</b>
Hard Hat Neck Shades	275.87
Water Heater for ESFP	468.66
<b>FS *TECHSMITH</b>	<b>412.00</b>
Snagit software annual maintenance renewal.	412.00
<b>GIH*GLOBALINDUSTRIALEQ</b>	<b>550.72</b>
Computer kiosk to be used in customer lobby.	550.72
<b>GILSON COMPANY, INC</b>	<b>209.20</b>
Sample Sieve	209.20
<b>GISCI</b>	<b>285.00</b>
GISP Cert Renewal Fees	285.00
<b>GOVERNMENT FINANCE OFFIC</b>	<b>135.00</b>
GFOA GAAP Annual Update 2023 - Accounting Team	135.00
<b>GRAC.ORG</b>	<b>1,050.00</b>
GRA Conference registration - R. Viergutz	930.00
GRA Webinar - Rick Viergutz	20.00
GRA Webinar registration - R. Viergutz	100.00
<b>GRAINGER</b>	<b>747.63</b>
Crescent wrench set	145.21
Flathead Socket	150.87
HOA Switch, Contact Blocks	237.55
Locks and Padlocks	167.88
Locks and Padlocks Shipping and Taxes	46.12
<b>GRUBHUBEATREALCAFE</b>	<b>54.98</b>
Interview Panel Lunch Order	54.98
<b>GRUBHUBZANKOUCHICKEN</b>	<b>104.85</b>
Lunch Meeting	19.70
Lunch Meeting CCare	85.15
<b>GYROMANIA</b>	<b>172.85</b>
EmPact Meeting, review structure - K. Strauss, K. Martin	43.35
EmPact Meeting, review structure - P. Hoover, K. Grass	43.35
GIS/B&G/Safety CERS Sitemaps meeting lunch	86.15
<b>HABIT SNTA CLRTA #22</b>	<b>68.83</b>
Dinner for 16030 Placerita Canyon 2" service repair	68.83
<b>HARBOR FREIGHT TOOLS 459</b>	<b>1,978.18</b>
Furniture Dolly	142.34
Generator	678.89
Hammer Chisel Set and Drift Punch Set	142.33
Paint Brushes	35.02
Parts for gate at Rio Vista pump station	297.80
Tools, parts, and supplies to trouble shoot gates and motor operators	439.36
<b>HOBBY LOBBY ECOMM</b>	<b>172.45</b>

## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
Supplies for Holiday Party 2023	172.45
<b>HOBBY-LOBBY #716</b>	<b>190.20</b>
Bins for Events	48.18
Holiday Party - Decorations	25.61
Holiday Party Decor	107.69
Holiday party supplies	8.72
<b>HOMEDEPOT.COM</b>	<b>4,868.65</b>
4.5 In Diamond Saw Blades for service trucks	408.97
AC Unit for MPR at Rockefeller	1,640.82
Concrete Pencil Vibrator Tool	312.41
Credit for Saugus Well 2 fan; item lost by Home Depot carrier. Placed new order.	(524.76)
Heavy Duty fan for Saugus Well 2	415.26
Hole Saw Kit	142.34
Milwaukee Cordless Press Tool Kit for B&G - R. Valiente Approval Attached	2,473.61
<b>HR MANUFACTURING CO</b>	<b>843.91</b>
Deep Sockets for CIP Truck N89 & Cla Valve Truck S-10	525.70
Deep Sockets for leak repairs	318.21
<b>HYATT EVERLINE RESORT</b>	<b>266.18</b>
Balance due from Hotel Stay	25.00
CSDA GM Leadership Summit - 06/25-06/27/23 - Hotel - M. Stone	241.18
<b>HYATT REGENCY SACRAMENTO</b>	<b>360.20</b>
CHARGED IN ERROR - 08/08/23 Per Kay Refund Authorized by Divina, Hotel Manager	-
Hotel stay	360.20
<b>IDEASTAGE.COM</b>	<b>774.44</b>
Books for community - Library Kiosks	774.44
<b>IN *ATW CORPORATION DBA E</b>	<b>880.53</b>
Purchase of control board for gate repair at Pine Street	880.53
<b>IN *PRECISE WEIGHING SYST</b>	<b>280.00</b>
Annual balance calibration/certification for Lab Dept.	280.00
<b>IN N OUT BURGER 079</b>	<b>10.00</b>
EMP-ACT - Micro Activity	10.00
<b>IN N OUT BURGER 107</b>	<b>186.54</b>
Bought Crew Dinner working on Bouquet and Plum Leak	111.09
<b>IN N OUT BURGER 117</b>	<b>10.68</b>
CSTI - Emergency Management Training Class	10.68
<b>IN N OUT BURGER 171</b>	<b>186.42</b>
Bought Crew Lunch working on 27740 sunny creek drive 6"meter	102.71
Dinner for Crew working on Service Leak	51.68
Lunch for crew during emergency repair of Villa BS	32.03
<b>IN N OUT BURGER 381</b>	<b>215.93</b>
Food for the guys at Villa Booster	50.97
<b>INDELCO PLASTICS CORP</b>	<b>1,415.67</b>
Rio Vista Eff. Tower Sump Pump	1,415.67
<b>INDUCTIVE AUTOMATION</b>	<b>1,525.00</b>
ICC 2023 - SCADA software seminar entrance fee	1,525.00
<b>INTERNATIONAL PUBLIC MAN</b>	<b>1,137.00</b>
PSHRA Agency Membership-Renewal	1,137.00
<b>INTERSTATE ALL BATTERY</b>	<b>172.79</b>
Power Conditioner Batteries	172.79
<b>JACK IN THE BOX 0369</b>	<b>75.52</b>
Bought Crew Breakfast working on main break at Newhall Ave and 9th Street	75.52
<b>JACK IN THE BOX 3344</b>	<b>78.74</b>
Bought Crew dinner that replaced Meter	78.74
<b>JERSEY MIKES 20018</b>	<b>57.04</b>
Meals for working staff 8/12/23	57.04
<b>JERSEY MIKES ONLINE ORDE</b>	<b>25.10</b>
Dinner during 6/28 Chamber Business expo	25.10

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
<b>JIMMY DEANS BURGER</b>	<b>490.01</b>
Staff Meeting	490.01
<b>JOANN STORES #2452</b>	<b>106.51</b>
K. Martin retirement party supplies	106.51
<b>JOHNSTONE SUPPLY VALENCIA</b>	<b>304.55</b>
Tools and HVAC Filters	304.55
<b>JOINT POWERS INSURANCE AU</b>	<b>225.00</b>
JPIA Training Conference Registration - J. Lozano	225.00
<b>KCCD COMPLIANCE SCHOOL</b>	<b>875.00</b>
Hazardous Waste Training Registration	875.00
<b>KING TACO 2</b>	<b>21.71</b>
Lunch for J. Diaz and R. Lustig emergency training.	21.71
<b>LA COCINA BAR &amp; GRILL BOU</b>	<b>50.89</b>
Performance Evaluation - E. Adler and M. Aragon	50.89
<b>LA COCINA BAR &amp; GRILL GOL</b>	<b>56.85</b>
Team Lunch	56.85
<b>LA COCINA BAR &amp; GRILL SEC</b>	<b>38.44</b>
FY 22/23 Review Lunch - L. Adler and K. Fowler	38.44
<b>LACO-FIRE-CUPAFEEES</b>	<b>504.00</b>
CUPA Fee for Valley Center Drive	504.00
<b>LADY DI'S COOKIES</b>	<b>445.31</b>
Birthday and Anniversary celebrations	148.43
Birthday Anniversary- July Treats	119.94
July Birthday and Anniversary Celebration	57.00
July Birthday and Anniversary Celebrations	39.98
Monthly Birthday and Anniversary Celebration - July 2023	79.96
<b>LANDS END BUS OUTFITTERS</b>	<b>535.31</b>
Cables and Power Supply Bags	535.31
<b>LANGUAGE LINE</b>	<b>194.44</b>
Document Translation - RAP Application English to Spanish Transaction Fee \$4.96	194.44
<b>LANGUAGE LINE, INC.</b>	<b>474.00</b>
Korean Translation	31.60
Personal Interpreter - Armenian	19.75
Personal Interpreter - Korean	27.65
Personal Interpreter - Spanish	161.95
Personal Translation Service - Armenian	134.30
Spanish Translation	23.70
Translation Services - Russian	19.75
Translation Services - Spanish	27.65
(blank)	27.65
<b>LAS DELICIAS GOLDEN VALL</b>	<b>1,028.50</b>
Breakfast for Heavy Equipment Training	363.72
Lunch for Crew	56.28
Lunch for Heavy Equipment Training	363.72
Team bonding/staff lunch	244.78
<b>LINDE GAS &amp; EQUIPMENT INC</b>	<b>1,212.89</b>
Welding gas	254.14
Welding rod	346.38
Welding supplies	612.37
<b>LOWES #00907</b>	<b>1,851.90</b>
BBQ and Supplies for Golden Triangle	740.50
Saugus 1 or 2 Well Fan, per A. Rodriguez/G. Hermosillo	766.49
Storage unit for safety room	344.91
<b>LOWES #01510</b>	<b>7,104.92</b>
(2) Packs of Wing Nuts	6.09
1-1/2 ball valve	41.59
7/8 Carbide tip sds bit Heat gun DeWalt portable	206.93

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
AA Batteries	22.97
Adhesive Remover, PTFE Lubricant	16.16
Aluminum Saw Blade, Masking Tape	66.73
Blinds for Lab Office	159.87
Bolts for SPTF	21.11
Bolts, Nuts, Retrieval Tools	57.81
Brass Bushings SPTF	29.26
Breaker Tester	72.23
Buckets, Propane Gas, Hand Pump	85.27
Cleaner, Brushes, Degreaser, Spray Bottles	96.34
Coaxial and coaxial tools for gate antennas	114.69
Compact Drill Replacement	196.01
Concrete Anchoring Tools	68.88
Concrete Mixer for B&G	436.91
Cover Plate for Rockefeller	3.15
Drinking Fountain Fitting	6.88
Dust Mop	32.83
Electrical Material for Emergency Lights at Rio Vista	169.48
EZ-UP for sun protection	179.89
Fuel, Funnel, Extension Chord	117.09
Instrument Batteries	20.78
Jig Saw, Jig Saw Blades	234.24
Lamp Sockets for Pipe Gallery at Rio Vista	21.81
Mailbox installation tools and supplies for Pine Street.	186.51
Marking Paint	45.97
Marking Paint for Dig Alert	43.81
Mounting material for Safety signage on Rio AHC	32.54
O-ring replacements for filter housing's for analyzers	60.01
Paint to marked the location of new solar lights at Rio	103.57
Parts for Gate at Pump Station	13.75
Parts for Lighting in the mechanical room at Rio Vista	69.97
Parts for Q2 dosing pumps	9.25
Parts for Q2 for DDA pumps	58.21
Parts for the gate at RVPS	125.88
Parts to fix and install new push plates at Rockefeller MPR room door.	69.73
Pencil, Marker, Sharpies Truck I58 and 251	123.81
Plumbing Fittings for Leak at Teachers' Trailer	54.17
Plumbing water lines and supplies for swamp coolers	100.65
Propane Tank Exchange	24.07
PVC tubing, bucket, push on fittings	265.32
Q2 Analyzer	90.60
Rags for RV Instrumentation shop, Aluminum step/stand to stand on for general work in and around the RV-Filter	129.14
Ratchet Wrenches, Small Brushes	68.00
Sampling mixing bucket	5.45
Saw horse for hand rails at Rio Vista	284.59
Security bit set, Pressure regulator for public events water station	36.09
Small EZ-UP for sun protection -wood for concrete form	299.16
Small tools for work truck #N38	264.75
Spray Paint and Line Winder	60.12
Spray Paint for Mailbox at Pine Street	39.43
Step Bit, Extension Cord, Gorilla Tape.	155.05
Super glues and epoxy's to repair gate limit switch	29.83
Supplies to cover photo eyes for gates at Rio V.	18.80
Switch timer, lamps, meter vault	155.99
Tape	50.09
Tie Down Ratchet Straps	85.37
Tools for #I67	212.80

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Tools for Truck # N38	118.13
Tools for Vehicle I62 and shop	935.50
Various Tools and Supplies	191.58
Washers for Gate at Rio Intake	2.23
<b>LOWES #01972</b>	<b>150.70</b>
Bulbs and Parts for Pine Street	150.70
<b>LYFT *RIDE FRI 2PM</b>	<b>29.52</b>
M&R Vehicles: vehicle drop off	29.52
<b>LYFT *RIDE SAT 3PM</b>	<b>15.71</b>
Vehicle pickup	15.71
<b>LYFT *RIDE SAT 4PM</b>	<b>39.65</b>
Vehicle drop off	29.79
Vehicle pickup GT to tire shop	9.86
<b>LYFT *RIDE SUN 11AM</b>	<b>15.89</b>
Vehicle drop off	15.89
<b>MAILGUN TECHNOLOGIES,</b>	<b>105.00</b>
Online Presence	35.00
Website email service	35.00
Website Form email service	35.00
<b>MARTIN YALE</b>	<b>96.05</b>
Rubber Roller Cleaner for Folding Machine	96.05
<b>MCMMASTER-CARR</b>	<b>1,134.85</b>
3" Gaskets	28.27
6 Inch Gaskets (8)	119.02
Bulb Seal, Tubing	87.49
Plastic tubing	496.57
SS Nipples SPTF	57.85
Stainless Sheet, Screws	100.01
Ventilation Fan, Clean Sweep Compound	245.64
<b>MEARS CONNECT</b>	<b>16.50</b>
Transportation from Airport to Hotel	16.50
<b>MICROSOFT*STORE</b>	<b>159.99</b>
Microsoft Excel for SCADA computer.	159.99
<b>MIMIS CAFE (VALENCIA CA)</b>	<b>100.07</b>
Lunch Meeting with President Martin, Director Cooper, S. Cole, M. Stone re: Agency Issues	100.07
<b>MIMOZA RESTAURANT</b>	<b>375.59</b>
GIS Conference Dinner. GIS, Water Resources & Engineering Staff.	375.59
<b>MISAC</b>	<b>2,025.00</b>
MISAC 2023 Conference	675.00
MISAC Conference Registration	675.00
Registration for MISAC annual conference.	675.00
<b>MOM CAN COOK THAI KITCHEN</b>	<b>40.38</b>
New employee lunch	40.38
<b>MR SUSHI</b>	<b>144.54</b>
B&G operational staff and bonding meeting for the month of June.	144.54
<b>MSFT * E0800CKEW</b>	<b>72.00</b>
Tenant Subscription for SCVWA.site	72.00
<b>MUNICIPAL MANAGEMENT ASSO</b>	<b>90.00</b>
MMASC Renewal membership for A. Mantis	90.00
<b>MVP MEDIA NETWORK</b>	<b>249.00</b>
Training: EV Charging Summit 2023 Online	249.00
<b>N HARRIS COMPUTER CORPOR</b>	<b>2,165.10</b>
Harris Customer Training Conference Registration - J. Lozano	1,082.55
<b>NEWARK CORPORATION</b>	<b>531.05</b>
Digital Displays	160.82
Micro Switches	42.23
Relays	166.62



**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
UPS Batteries	161.38
<b>NEWHALL VALENCIA LOCK AN</b>	<b>24.09</b>
8 - keys	24.09
<b>NGMA</b>	<b>1,771.00</b>
Federal Grants Management Training	719.00
Grants Audit Training	159.00
Grants Training Webinar - NGMA GmBOK; Sept 12-13, 2023	719.00
NGMA Annual Membership	174.00
<b>OFFICE DEPOT #2263</b>	<b>563.70</b>
Adapter plug card reader into surface.	22.33
File boxes for Rio Vista Maintenance trailer	46.41
Magnets for signs and label tape for signs	134.78
Meter labels and supplies for Warehouse	130.28
Office Supplies	59.23
Purchase of moving boxes	170.67
<b>OHIO POWER TOOLS</b>	<b>871.62</b>
Portable Water Pumps	871.62
<b>OPC STATE WB FEE</b>	<b>26.50</b>
Online processing fee for ELAP Cert Amendment payment/Lab Dept.	26.50
<b>O'REILLY AUTO PARTS 3797</b>	<b>88.19</b>
Hitch Ball for Trailer	42.69
Wiper Fluid Cleaner	45.50
<b>OSISOFT LLC</b>	<b>2,749.00</b>
AVEVA PI training classes	1,050.00
AVEVA World 2023 Entrance Fee	1,699.00
<b>OWPSACSTATE</b>	<b>143.55</b>
Manage for Success Course for B. Zvara	143.55
<b>PADDLE.NET* PHOTOBUCKE</b>	<b>62.99</b>
Cloud based service to organize and share agency photos	12.99
Photobucket annual subscription	50.00
<b>PANERA BREAD #204228 O</b>	<b>951.00</b>
Breakfast Meeting	167.38
Inventory count refreshments Warehouse	221.36
Lunch for IT Technician I interview panel: J. Herbert, J. Woodall, K. Jameson, J. Joo	105.69
WR Dept Staff Meeting	456.57
<b>PANERA BREAD #204229 O</b>	<b>10,101.20</b>
AHA-CPR/AED/FA Training	1,224.77
Executive Staff Meeting	1,319.20
HR Meeting-A. Mantis, L. Pointer, J. Joo, J. Brison and M. Aragon	95.98
Physical Count Refreshments	226.95
Safety Committee Meeting	596.83
Safety Training	2,827.41
Safety Training AHA - CPR/AED/FA Training	369.97
Safety Training Lockout/Tagout Training	1,761.08
Site Project Workshop - July 24, 23	235.10
SmartWorks Implementation Kick-Off and Discovery Meeting Breakfast	245.41
Trenching and Shoring Training Class	1,198.50
<b>PANERA BREAD #601975 P</b>	<b>19.38</b>
CSTI - Emergency Management Training Class	19.38
<b>PARTY CITY 1517</b>	<b>193.82</b>
Halloween Tablecloths	93.08
Tablecloths for AEM 9.18.23	100.74
<b>PAYPAL</b>	<b>3,330.99</b>
AWA Information Series - Registration - 07/20/23 - S. Cole	33.00
AWA/CCWUC Educational Program Meeting	33.00
CCWUC Educational Training Webinar	43.00
CCWUC Training - S. Bader	33.00

## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
SSL Certificate Renewal for gis.scvwa.org	40.00
Supplies / Water Quality Industrial Fans	1,030.99
Urban Water Institute Water Conference - 08/23-08/25/23 - Registration - Director Martin	695.00
UWI Annual Conference - 08/23-08/25/23 - Registration - Director Marks	695.00
UWI Annual Water Conference - 08/23-08/25/23 - CANCELLATION - Director Martin	(695.00)
UWI Water Conference - 08/23-08/25/23 - Registration - M. Stone	695.00
UWI Water Conference - 08/23-08/25/23 - Registration - S. Cole	695.00
WaterWise Breakfast Series - 06/15/23 - Registration - Director Marks	33.00
<b>PEPPERDINE UNIVERSITY</b>	<b>896.25</b>
Davenport Institute - Professional Certificate Registration	896.25
<b>PHILS BBQ POINT LOMA REST</b>	<b>60.30</b>
GIS Conference Breakfast and Lunch	60.30
<b>PORTOLA HOTEL AND SPA</b>	<b>350.29</b>
CSDA Conference Meal - Dinner 8/28	72.38
CSDA Hotel Expense	277.91
<b>PRESTO PASTA VALENCIA</b>	<b>303.75</b>
Board Meeting Meal	303.75
<b>QUEST SOFTWARE INC</b>	<b>746.16</b>
Perpetual License/Maintenance	746.16
<b>QUICK SMOG CHECK</b>	<b>48.00</b>
Smog Check	48.00
<b>RALPHS #0147</b>	<b>197.49</b>
August Birthday and Anniversary	82.66
Board Meeting Supplies	9.88
July Micro Activity Supplies	72.89
Vending Machine Supplies	32.06
<b>RALPHS #0727</b>	<b>158.60</b>
Drinks for Heavy Equipment Training	114.69
Flowers for K. Martin's Retirement Party	43.91
<b>RATTLERS BAR B QUE - 1</b>	<b>644.96</b>
Annual Performance Review M. Restivo	36.93
Engineering CIP Group Meeting	265.28
FY 22/23 Review Lunch - C. Mael and L. Adler	51.98
FY 22/23 Review Lunch - L. Adler and E. Blanford	76.76
Lunch with DWP staff after tour of BFDf	134.00
Welcome lunch for Luis Campos	80.01
<b>REPUBLIC SERVICES TRASH</b>	<b>2,658.28</b>
27234 Bouquet Canyon Rd 20 Cu Yd 5/1/23-5/31/23	135.91
27234 Bouquet Canyon Rd 20 Cu Yd 6/1/23-6/30/23	682.49
27234 Bouquet Canyon Rd 20 Cu Yd 7/1/23-7/31/23	135.91
27234 Bouquet Canyon Rd 40 Cu Yd 5/1/23-5/31/23	331.24
27234 Bouquet Canyon Rd 40 Cu Yd 6/1/23-6/30/23	1,041.49
27234 Bouquet Canyon Rd 40 Cu Yd 7/1/23-7/31/23	331.24
<b>RG SAFETY</b>	<b>139.75</b>
Visor and neck shade	139.75
<b>RIO SUITES ADVANCE DEP</b>	<b>164.40</b>
AWWA Conference - 10/23-10/26/23 - Hotel (1st Night Only) - E. Sobczak	164.40
<b>ROYS 2507</b>	<b>792.77</b>
GIS Conference Dinner. GIS & Engineering Staff.	301.53
GIS Conference dinner. GIS, Water Resources, and Engineering Staff.	491.24
<b>S&amp;S DONUTS BAKE SHOP IN</b>	<b>144.00</b>
Donuts for SWOT Meeting	144.00
<b>SABOR COCINA MEXICANA</b>	<b>85.27</b>
FY22/23 Review Lunch - C. Mael and J. Yim	85.27
<b>SAFETY UNLIMITED INC</b>	<b>1,575.00</b>
Hazwoper Training	625.00
Safety-Emergency response class	950.00

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
<b>SAMS CLUB #4824</b>	<b>853.52</b>
Board Meeting Supplies	134.14
ESS Meeting Snacks	32.46
SWOT Meeting Supplies	118.57
Vending Machine Supplies	423.96
WIFIA Meeting Snacks	23.94
Yearly Membership	120.45
<b>SAMS CLUB#4824</b>	<b>428.93</b>
K. Martin retirement party supplies	141.82
Vending Machine Supplies	22.13
<b>SAMS FLAMING GRILL CANYON</b>	<b>474.76</b>
Bought Crew Dinner working on Newhall Ranch Leak	93.72
Bought Crew Lunch working on Rosehaven Lane	133.99
Consultant Meeting - Stantec & Fieldman. Discussing WIFIA application.	247.05
<b>SAMSCLUB #4824</b>	<b>357.94</b>
Board Meeting Supplies	62.50
Committee Snacks	44.14
Team Building BB!	61.72
Vending Machine Supplies	189.58
<b>SAN FRANCISCO BAY COFFEE</b>	<b>118.77</b>
WR Dept Supplies	118.77
<b>SANTA CLARITA BEARING COM</b>	<b>71.61</b>
Belts for air handlers (5)	71.61
<b>SANTA CLARITA VALLEY CHAM</b>	<b>50.00</b>
Chamber meeting Registration	50.00
<b>SANTA CLARITA VALLEY E</b>	<b>1,000.00</b>
SCV Education Touch a Truck Sponsorship	1,000.00
<b>SCOTT E-COMMERCE #2</b>	<b>328.50</b>
New Holland backhoe diagnostic software	328.50
<b>SERVICE FEE</b>	<b>11.19</b>
Service Fee for CUPA Fee at Valley Center Drive	11.19
<b>SIMPLY DISCOUNT FURNITURE</b>	<b>2,621.43</b>
Couch for GT employee room	2,621.43
<b>SMART AND FINAL 437</b>	<b>151.29</b>
Tour of the Santa Clarita Water Board Facility	151.29
<b>SMART AND FINAL 468</b>	<b>288.64</b>
1 Package each of Knives, Forks and Spoons	19.67
EMP-ACT - Micro Activity	96.93
Office Supplies	162.55
Sampling Supplies	9.49
<b>SMART AND FINAL 483</b>	<b>413.20</b>
August Birthday and Anniversary	44.93
Board Meeting Supplies	32.47
Department breakfast	261.30
Paper towels and gift cards for micro activities	62.98
Vending Machine Supplies	11.52
<b>SMART AND FINAL 916</b>	<b>338.59</b>
Supplies	338.59
<b>SMARTSIGN</b>	<b>706.56</b>
Asset Tags	706.56
<b>SMTP2GO* SMTP2GO EMAIL</b>	<b>10.00</b>
SMTP2GO service	10.00
<b>SO PT HOTEL AND CASINO</b>	<b>330.15</b>
Hotel stay for Tri-State Seminar	234.10
(blank)	96.05
<b>SOCIETYFORHUMANRESOURCE</b>	<b>244.00</b>
SHRM-Membership Renewal for J. Joo.	244.00

## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
<b>SOUTHWES</b>	<b>4,664.46</b>
Airfare for Conference 092023	207.96
AWWA Fall Conference flight for E. Sobczak.	329.96
AWWA Fall Conference Flight for M. Gutierrez	329.96
Credit due to Airline flight change	(70.01)
CSDA Special District Leadership Academy Conference - 10/22-25/2023 - Flight - Director Marks	381.96
DCA Meeting - 06/15/23 - Airfare - Director Martin	492.96
Round Trip Ticket from Burbank to Sacramento	417.96
Round Trip Ticket to Sacramento from Burbank Airport	613.96
Roundtrip Flight to Sacramento for CSDA General Manager Leadership Summit	482.96
Sacramento - Delta Conveyance Partnering Session in Nov 2023	457.95
State Water Project Contractors Meeting - Oct 2023 Flight Adjustment	36.00
State Water Project Oct Meeting Flight	390.96
<b>SP CONFERENCE RECORD</b>	<b>314.00</b>
GIS Conference Video Recordings.	314.00
<b>SP EISEN MACHINERY</b>	<b>196.79</b>
Band saw coolant pump requested	196.79
<b>SP FIREHOSEDIRECTCOM</b>	<b>1,654.82</b>
Cast valves	487.73
Fire Hoses	1,167.09
<b>SP HAWORTHSTORE</b>	<b>60.23</b>
Replacement arms for office chair	60.23
<b>SP THEODOREPAYNE</b>	<b>60.00</b>
Membership - M. Dickens	60.00
<b>SPUDNUTS DONUTS</b>	<b>143.44</b>
2 dozen doughnuts for morning tailgate	43.62
Golden Triangle Safety Tailgate meeting snacks	37.75
Rockefeller Safety Meeting	20.64
Rockefeller Safety Tailgate Meeting Snacks	20.89
Rockefeller Safety Tailgate Snacks	20.54
<b>SQ *CAPTURE IT NOW PHOTO</b>	<b>275.00</b>
Deposit for Photo Booth - 2023 Holiday Party	275.00
<b>SQ *DULLES WASHINGTON FLY</b>	<b>75.65</b>
DC Trip - Cab	75.65
<b>SQ *EASTSIDE DONUTS</b>	<b>36.00</b>
Donuts for Tailgate Training	36.00
<b>SQ *EAT REAL CAFE</b>	<b>125.63</b>
Lunch for interview panel for Recycled Water Coordinator	85.21
Lunch with Jeff K. Discussed lab succession plans and employee evaluation.	40.42
<b>SQ *GRAND CAB LLC</b>	<b>11.98</b>
DC Trip - Cab	11.98
<b>SQ *ISAYAS YITNA</b>	<b>14.93</b>
DC Trip - Cab	14.93
<b>SQ *S &amp; J SALES</b>	<b>772.50</b>
Service call for UPS located @ SCVWA ESFP	772.50
<b>SQ *UVC</b>	<b>92.30</b>
DC Trip - Cab	92.30
<b>SQ *VALENCIA</b>	<b>3,600.00</b>
Deposit Employee engagement -Safety Awareness, summer heat, birthday anniversary's	1,500.00
Final Payment - Employee engagement -Safety Awareness, summer heat, birthday anniversary's	1,500.00
Kona Ice for ribbon cutting event for attendees	600.00
<b>SQ *VINCENZO'S PIZZA SAUG</b>	<b>180.84</b>
Team bonding lunch for RV Maintenance/Operators, and Facilities.	180.84
<b>STANLEY</b>	<b>306.97</b>
Jet Sweat Tool	306.97
<b>STAPLES 00114686</b>	<b>229.87</b>
Items for Supervisor Trailer	85.38

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Safety supplies	40.50
Tools for New Temp	103.99
<b>STAPLES DIRECT</b>	<b>539.82</b>
UPS Replacement Battery per M. Margheritis	539.82
<b>STARBUCKS STORE 20227</b>	<b>83.25</b>
Coffee for Communications Team Meeting	23.90
Communications Staff Meeting	29.35
Gift card prize for monthly game	10.00
Staff Engagement - July/August 2023	20.00
<b>STARLINK INTERNET</b>	<b>6,292.25</b>
Satellite Internet	2,000.00
Satellite Internet - 3 sites	1,500.00
Starlink Rio order	2,792.25
<b>STATE WATER BOARD</b>	<b>1,000.00</b>
ELAP Amendment for Lab Dept.	1,000.00
<b>STATERBROS196</b>	<b>22.33</b>
Safety Training Snacks	22.33
<b>STONEFIRE GRILL - 1</b>	<b>364.38</b>
Lunch for Water Systems Group	270.89
Lunch with M. Reyes	31.37
O. Moreno Review Lunch	62.12
<b>STONEFIRE GRILL - 1 - CAT</b>	<b>933.18</b>
Board Meeting Meal - 07/18/23	534.76
Meals for department meeting	398.42
<b>STONEFIRE GRILL - 1 - ECO</b>	<b>171.97</b>
Lunch Meeting	171.97
<b>SUR BURGER</b>	<b>20.46</b>
CSDA Conference Meal - Lunch 8/29	20.46
<b>TACO BELL 039786</b>	<b>71.53</b>
Meal for Crew working Repair on Main at Poppy Meadow	71.53
<b>TACOS Y BURRITOS EL PATO</b>	<b>385.91</b>
Bought Crew Dinner working on Bouquet and Plum Leak	190.14
Bought Crew Lunch for working on Meadow Creek Leak	195.77
<b>THAI DISHES</b>	<b>75.47</b>
Stillwater Consultant Lunch Meeting	75.47
<b>THE AUTOMOTIVE LIFT INST</b>	<b>32.00</b>
Automotive Lift Training	32.00
<b>THE BAKERSFIELD ADVERTI</b>	<b>335.00</b>
Notice of General District Election	335.00
<b>THE BROKEN YOLK CAFE DOW</b>	<b>336.75</b>
GIS Conference Lunch. GIS, Water Resources & Engineering Staff.	336.75
<b>THE DONUT CAFE</b>	<b>66.64</b>
Safety tailgate snacks	66.64
<b>THE FISH MARKET SD</b>	<b>439.22</b>
GIS Conference Dinner. GIS, Water Resources & Engineering Staff.	439.22
<b>THE HOME DEPOT #0653</b>	<b>1,826.24</b>
1Man Auger rental balance charge	16.28
20LB Demolition Hammer Rental Deposit	50.00
Adhesive for Hanging Signs	43.73
Brass Coupling for Eye Wash Station	6.10
File boxes for RV Maintenance trailer	21.67
Impact Tools and Parts	37.68
Light Bulbs for Water Resources Bath Room (2)	17.48
Material for New Solar light post at Rio Vista	128.06
Parts and Consumables for B&G	176.62
Parts and Supplies for chemical room At Rio Vista	155.29
Parts to shim doors in HR building	146.60

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Quick Connect Tee, Flanges for Ice Machine	24.30
Sump Pump	302.23
Supplies for truck 88	169.30
Tape Measure, Spray Paint, Volt Detector, and Utility Blade	74.32
Tool Pouch	16.40
Tools and Supplies	130.14
Tools for B&G	185.56
Tools for New Temp	124.48
<b>THE HOME DEPOT #1055</b>	<b>3,489.80</b>
(2) 5 Gal. bucket with lid	23.81
2 surge protectors for alarm computer at ESFP	38.30
4" cover, 4" box, 4" flat cover	7.28
B&G Supplies	138.91
Buckets and Lids	74.02
Bucks and trash can	63.52
Concrete anchoring materials and supplies	62.83
Consumables for band saw and hand rials	114.32
Crate for Tools	37.19
Drill bits	151.53
Drive Belts and supplies for AHC at RIO	73.67
Dust mop	38.28
Flash Lights for B&G	164.70
Lamp Holders for Pipe Gallery at Rio Vista	35.42
LED Lamps	43.76
Light supplies for emergency lights at Rockefeller.	30.42
M&R Vehicles: vehicle repair supplies	198.09
Material for Pipe Gallery at Rio	36.00
Parts and supplies to troubleshoot sign issues at Rockefeller and ESFP	70.50
Parts and washers to install and mount TV at Rockefeller .	35.92
Parts for B&G department	54.99
Parts for electrical protect in the ozone building	127.20
Parts for Rockefeller Lighting	32.75
Patch Cord, Wire Stripper	34.97
Plastic plug and epoxy	70.87
Power Inverters for B&G	175.11
Purchase of door sealers for server room at Rio Vista.	49.21
Ratchet Flat Strap for Bum Lift	26.24
Single Box Cover	16.96
Spray Paint for light fixture at the clarify deck in Rio Vista	153.04
Supplies for B&G	107.54
Terminal Cord, Wire Stripper	33.95
Tools	134.79
Tools and supplies for New Temp	163.11
Tools for B&G Temp	103.36
Tools for New Temp	219.29
Tools for temp	146.70
Trim for Rockefeller	4.64
Truck I67 tool	13.11
Velcro double sided tape ratchet wrenches sheet metal	107.42
Wall Plates for Summit Circle	58.24
Warehouse Inventory Items	49.37
Window Cleaning Equipment	130.17
(blank)	38.30
<b>THE HOME DEPOT 1055</b>	<b>5,986.05</b>
Battery's for shop tools	504.42
Compact band saw for Rio Vista hand rials	381.06
High Efficiency Filter	87.50

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Inspection Tools	519.76
Milwaukee Saw and Batteries	327.41
Paint Sprayer	326.31
Parts for Emergency Lights at Rio Vista	86.99
Parts for Lab at Rio Vista	229.93
Parts for Sink in Maintenance Building	83.11
Parts to scrap old paint on hand rails	94.59
Purchase of tool to set up emergency lights at Rockefeller	93.05
Rebar and round stock	205.64
Shop Cleaning Supplies	253.72
Tools and Parts for Lighting at Rockefeller	261.18
Tools and Supplies	796.02
Tools and supplies to cut drywall and repair wall and supplies to hang signs	396.72
Tools for Guys	499.80
Tools for New Temp	223.35
Vacuum Filters	87.52
Water hose, bungee cords, trash bags ETC.	527.97
<b>THE HOME DEPOT 653</b>	<b>5,137.02</b>
1Man Auger Rental Deposit	100.00
20 LB Demolition Hammer Balance Charged	89.44
Demolition Hammer Rental	83.22
Grease gun and hammer drill	359.16
Ladder and Supplies	668.37
Ladders for B&G	271.47
Light Bulbs for Teachers Trailer and Carpet for Supervisor Trailer at Rio Vista	289.31
Material for new lighting at Rio Vista Drive way	275.61
New grinder for B&G department	371.21
One pallet of 90 pound concrete for Rio Vista lighting	223.29
Supplies for North Oaks Booster	404.43
Tools and Parts for Attic Mechanical room at Rio	691.95
Tools and Supplies	393.11
Tools B&G Temp	339.38
Tools for B&G	250.76
Tools for B&G Temp	326.31
<b>THE LOCAL PUB &amp; GRILL INC</b>	<b>46.81</b>
FY 22/23 Review Lunch - C. Mael and B. Payne	46.81
<b>THE STAND VALENCIA SANTA</b>	<b>161.73</b>
Lunch for Recruitment Panel-Sr. Fleet Mechanic. A. Mantis, V. Leopold, J. Joo, J. Ramirez, G. Hermosillo, M. Garcia	161.73
<b>THE TOLL ROADS OF OC</b>	<b>8.06</b>
Urban Water Conference - Toll	8.06
<b>THE UPS STORE 6401</b>	<b>12.78</b>
Shipping meter for warranty service	12.78
<b>THE UPS STORE 6842</b>	<b>42.64</b>
UPS Shipping Eagle Gas Detector	42.64
<b>TOMATO JOES PIZZA EXPRESS</b>	<b>145.54</b>
Staff Appreciation Bowling - Food	145.54
<b>TOPPERS PIZZA CANYON COUN</b>	<b>314.86</b>
FY 22/23 Review Lunch - J. Gilliam and C. Saenz	32.08
Physical Count Refreshments	282.78
<b>TOPPERS PIZZA PLACE VALEN</b>	<b>285.34</b>
Lunch for Quarterly Operators Meeting	151.62
Pizza for Staff Meeting	133.72
<b>TRACTOR SUPPLY #2264</b>	<b>279.51</b>
Ratchet binders to secure boom lift when hauling to different SCVWA sites	279.51
<b>TRADER JOE S #013</b>	<b>15.30</b>
Flowers for K. Martin's Retirement Party	15.30
<b>TRAFFIC MANAGEMENT - NEW</b>	<b>317.55</b>

## SCV Water - Credit Card Charges Paid July to September 2023

Payee and Description	Transaction Amount
Magnet for IX vessels	21.90
Magnets for IX vessels	295.65
<b>TRAINHR</b>	<b>815.00</b>
PM Seminar - E. Kang	620.00
Webinar - PM for Admin Professionals	195.00
<b>TST* BASIC BAR - PIZZA</b>	<b>169.84</b>
GIS Conference lunch. GIS, Water Resources, and Engineering Staff.	169.84
<b>TST* CAFE SEVILLA</b>	<b>638.59</b>
GIS Conference Dinner & Social Networking. GIS, Water Resources & Engineering Staff.	638.59
<b>TST* CARMEL BAKERY AT POR</b>	<b>11.97</b>
CSDA Conference Meal - Breakfast 8/29	11.97
<b>TST* MARSTON'S</b>	<b>266.20</b>
Staff Team Building Lunch, Fleet & Warehousing, and Procurement	266.20
<b>TST* NOTHING BUNDT CAKES</b>	<b>28.00</b>
Committee Meeting - K. Martin Retirement Farewell	28.00
<b>TST* PIEOLOGY - POMONA /</b>	<b>53.29</b>
Chino Site Tour - Staff Lunch	53.29
<b>TST* SEN NOODLE HOUSE</b>	<b>36.18</b>
Lunch with S. Bader. Discussed PFAS treatment locations and other operational and engineering projects	36.18
<b>TST* SILVERLAKE RAMEN- MO</b>	<b>34.18</b>
Lunch for J. Diaz and R. Lustig emergency training.	34.18
<b>TST* VINCENZOS</b>	<b>1,733.00</b>
Bowling - staff appreciation food	844.06
Lunch for Staff Meeting / Inventory	888.94
<b>TST* WABA GRILL - HAWTHOR</b>	<b>15.97</b>
CSTI - Emergency Management Training Class	15.97
<b>TURN 12 BAR</b>	<b>49.01</b>
CSDA Conference Dinner 8/29	49.01
<b>UNITED</b>	<b>228.19</b>
Round trip flight to San Francisco	228.19
<b>UPS</b>	<b>111.10</b>
UPS Shipping for Repairs on Gas Detectors	62.05
UPS shipping Gas Detector Repairs	36.05
UPS-Pickup charges	13.00
<b>US COACHWAYS</b>	<b>2,120.43</b>
Employee Event Bus Trip Payment 1	984.30
Employee Event Bus Trip Payment 2	500.00
Employee Event Bus Trip Payment 3	636.13
<b>USA CD VALENCIA 24</b>	<b>75.01</b>
Rio Vista Air Filters	75.01
<b>USHR LONGWORTH FOOD COUR</b>	<b>2.15</b>
DC Trip - Coffee	2.15
<b>USPS PO 0569500155</b>	<b>32.40</b>
Begonias NOEs and RH certification renewal	20.13
Mailing Beneda Lane NOEs	3.66
USPS certified mail for Cell Sites	8.61
<b>VALENCIA LANES.</b>	<b>3,250.00</b>
Bowling - Staff Appreciation event & soft drinks	1,750.00
Staff Appreciation Bowling evening - event deposit	1,500.00
<b>VALLEY INDUSTRIAL ASSOC</b>	<b>25.00</b>
VIA After Five - 09/28/23 - Registration - Director Marks	25.00
<b>VALLEY INDUSTRIAL ASSOCIA</b>	<b>320.00</b>
VIA 6th Annual State of the State - 06/25/23 - Registration - Director Cooper	50.00
VIA 6th Annual State of the State - 06/25/23 - Registration - Director Orzechowski	50.00
VIA 6th Annual State of the State - 06/30/23 - Registration - Director Marks	50.00
VIA After Five - 06/22/23 - Registration - Director Martin	20.00
VIA Bash Fire & Ice Ball - 11/03/23 - Registration - Director Martin	150.00



**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
<b>VALLEY MARKETPLACE</b>	<b>153.55</b>
Lunch for Staff/ Team Bonding	153.55
<b>VALPAK FRANCHISE OPERATI</b>	<b>1,955.52</b>
Refund	(1,955.52)
Valpak mailer Agency messaging	3,911.04
<b>VENETIAN/PALAZZO ROOM RS</b>	<b>1,615.65</b>
Oracle conference hotel deposit - D. Conner	323.13
Oracle conference hotel deposit - J. Hebert	323.13
Oracle conference hotel deposit - K. Grass	323.13
Oracle conference hotel deposit - M. Wassef	323.13
Oracle conference hotel deposit - R. Patterson	323.13
<b>VERIZONWRLSS</b>	<b>84,451.31</b>
CIMIS 5/11/23-6/10/23	38.01
CIMIS 6/11/23-7/10/23	38.01
CIMIS 7/11/23-8/10/23	38.01
Equipment 5/11/23-6/10/23	12,013.57
Equipment 6/11/23-7/10/23	9,762.41
Equipment 7/11/23-8/10/23	9,635.04
Services 5/11/23-6/10/23	17,389.33
Services 6/11/23-7/10/23	17,604.29
Services 7/11/23-8/10/23	17,932.64
<b>VONS #2030</b>	<b>115.79</b>
(blank)	115.79
<b>VONS #2111</b>	<b>101.61</b>
LOTO training snacks	76.62
Staff Meeting	24.99
<b>VONS #3325</b>	<b>239.69</b>
K. Martin Retirement Luncheon	82.84
Rio Vista Safety Training	22.05
Snacks for safety training class	66.54
Vending Machine Supplies	68.26
<b>VZWRLLS*IVR VB</b>	<b>196.83</b>
Telemetry 4/24/23-5/23/23 Invoice #9935688030	65.57
Telemetry 5/24/23-6/23/23 Invoice #9938047290	65.57
Telemetry 6/24/23-7/23/23 Invoice #9940424072	65.69
<b>WAL-MART #3523</b>	<b>35.16</b>
Staff Engagement - July 2023	35.16
<b>WATEREUSE ASSOCIATION</b>	<b>575.00</b>
2023 Annual WateReuse Conference for S. Bader.	575.00
<b>WDW DISNEY RES</b>	<b>424.13</b>
Hotel Coronado Springs for Conference	424.13
<b>WESTERN BAGEL TOO #4</b>	<b>477.90</b>
Golden Triangle Safety Meeting	82.05
Golden Triangle Safety Tailgate meeting snacks	75.35
Pine Street Safety Meeting	79.45
Pine Street Safety Tailgate Meeting Snacks	75.45
Pine Street Safety Tailgate snacks	165.60
<b>WM SUPERCENTER #3523</b>	<b>63.97</b>
August Birthday and Anniversary	49.58
Ribbon for K. Martin's Retirement party	8.63
Tablecloths for WR/Comms Team Meeting 8/1/23	5.76
<b>WM SUPERCENTER #5162</b>	<b>205.65</b>
Inventory count refreshments water bottles, Gatorade, etc.	39.81
Physical Count Refreshments	165.84
<b>WOLF CREEK RESTAURANT &amp; B</b>	<b>1,869.93</b>
Board Meeting Meal - 06/06/23	545.47
Board Meeting Meal - 06/20/23	516.07

**SCV Water - Credit Card Charges  
Paid July to September 2023**

Payee and Description	Transaction Amount
Board Meeting Meal - 08/01/23	441.79
HR Quarterly Staff Recognition and working lunch	148.74
Lunch Meeting	64.10
Lunch Meeting w/staff	73.96
Welcome Lunch New Buyer - K. Fowler, R. Patterson K. Grass	79.80
<b>WOOD RANCH VALENCIA</b>	<b>290.37</b>
FY 22/23 Review Lunch - J. Gilliam and D. Forrand	63.44
FY 22/23 Review Lunch - J. Gilliam and P. Halushka	67.76
Lunch Meeting	80.54
Welcome lunch for new SCADA Tech I.	78.63
<b>WPONCALL.COM</b>	<b>147.00</b>
SCV GSA Web Maintenance	98.00
Web development - SCV GSA Website	49.00
<b>WPY*ACTIV CERBERUS HOLDIN</b>	<b>999.00</b>
Active Cerberus License Purchase	999.00
<b>WWW COSTCO COM</b>	<b>89.94</b>
WR Department Supplies	89.94
<b>WWW.FLOWER* FLOWERFINE</b>	<b>180.01</b>
Flowers-Get Well J. Woodworth	81.04
Flowers-New Baby for G. Hermosillo	98.97
<b>WWW.MADISONSEATING.COM</b>	<b>1,752.00</b>
Office Chair	1,752.00
<b>YETI 1-833-225-9384</b>	<b>985.50</b>
Drink Tubs	985.50
<b>YOURMEMBERSHIP, INC.</b>	<b>199.00</b>
Recruitment for Fleet Mechanic Series	199.00
<b>YUM YUM DONUTS</b>	<b>79.72</b>
Donuts for inventory	79.72
<b>Grand Total</b>	<b>303,694.53</b>

# Director Stipends

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09/05/23	Regular Board Meeting	\$239.00
09/06/23	Rescheduled Engineering and Operations Committee Meeting	\$239.00
09/07/23	Special Board Meeting	\$239.00
09/08/23	Special Board Meeting	\$239.00
09/18/23	One-on-One Meeting with General Manager	\$239.00
09/19/23	Regular Board Meeting	\$239.00
09/25/23	Rescheduled Finance and Administration Committee Meeting	\$239.00
	<b>Stipend Total</b>	<b>\$1,912.00</b>
	<b>Total Paid Days</b>	<b>8</b>
	<b>Total Meetings</b>	<b>8</b>

<b>TOTAL PAID DAYS</b>	<b>63</b>
<b>TOTAL MEETINGS</b>	<b>70</b>
<b>TOTAL STIPENDS</b>	<b>\$15,057.00</b>

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# Director Reimbursements

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**CA Govt. Code Section 53065.5**

**List of Reimbursement for "Individual Charges" = \$100 or more**

**Annual Disclosure for Fiscal Year 23/24 AP Transactions Updated as of: 9/30/2023**

**DIRECTORS**

P- Card (VISA) Transactions Updated as of: 9/30/23 \*September PCard transactions affect October cash.

Date	Recipient of Reimbursement	Reason for Reimbursement	Amount
09/01/23	Marks, Dirk	UWI Annual Water Conference 8/23/23-8/25/23 Travel Expense (Parking, Mileage)	273.05
09/01/23	Marks, Dirk	UWI Annual Water Conference 8/23/23-8/25/23 Expense (Lodging)	820.09
			<b>1,093.14</b>

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**FY 2023/24**  
**First Quarter Financial Report**  
**(July – September 2023)**



**SCV**  
**WATER**

**Board of Directors Meeting**

**December 5, 2023**

# **FY 2023/24 First Quarter Highlights**

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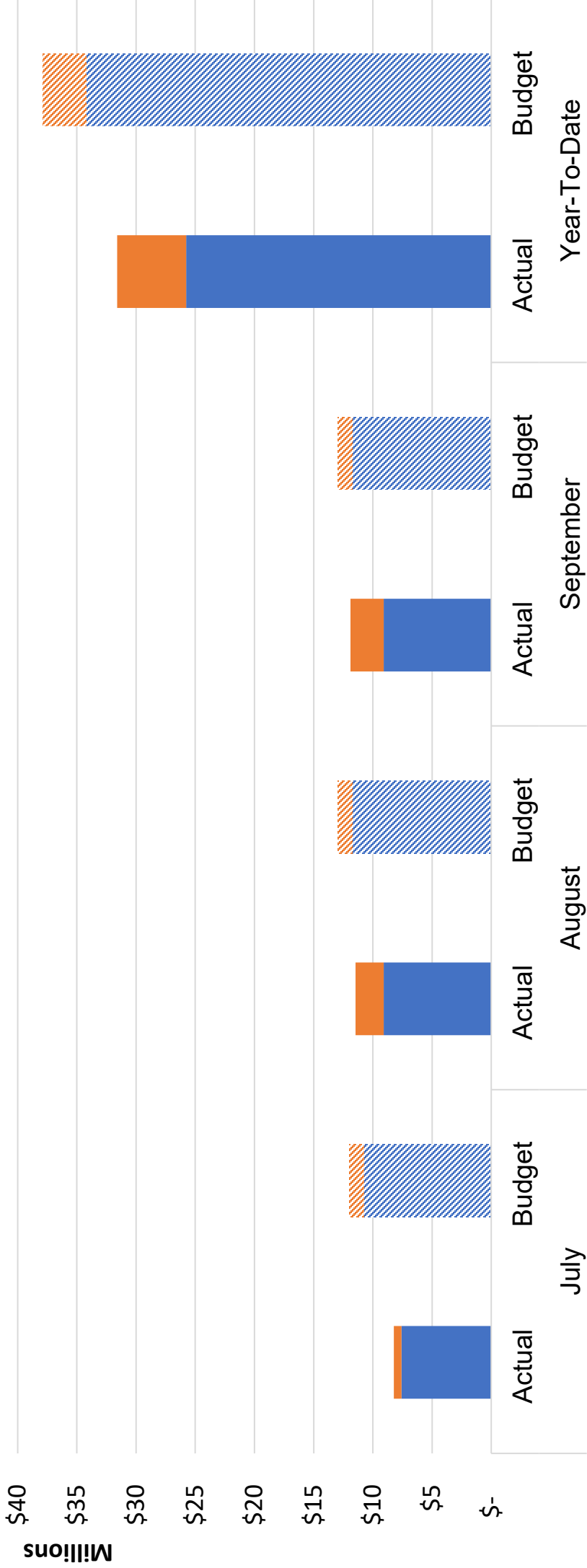


- Received Rating upgrade from S&P
- Adopted the POS and successfully sold 2023 revenue bonds, AIC 2.85%
- Reviewed several Financial Scenarios
- Received approval of revised Purchasing Policy, Surplus Policy
- Received approval for Janitorial Services
- Received an approval of a revised Ratepayer Advocate Process

# Revenues



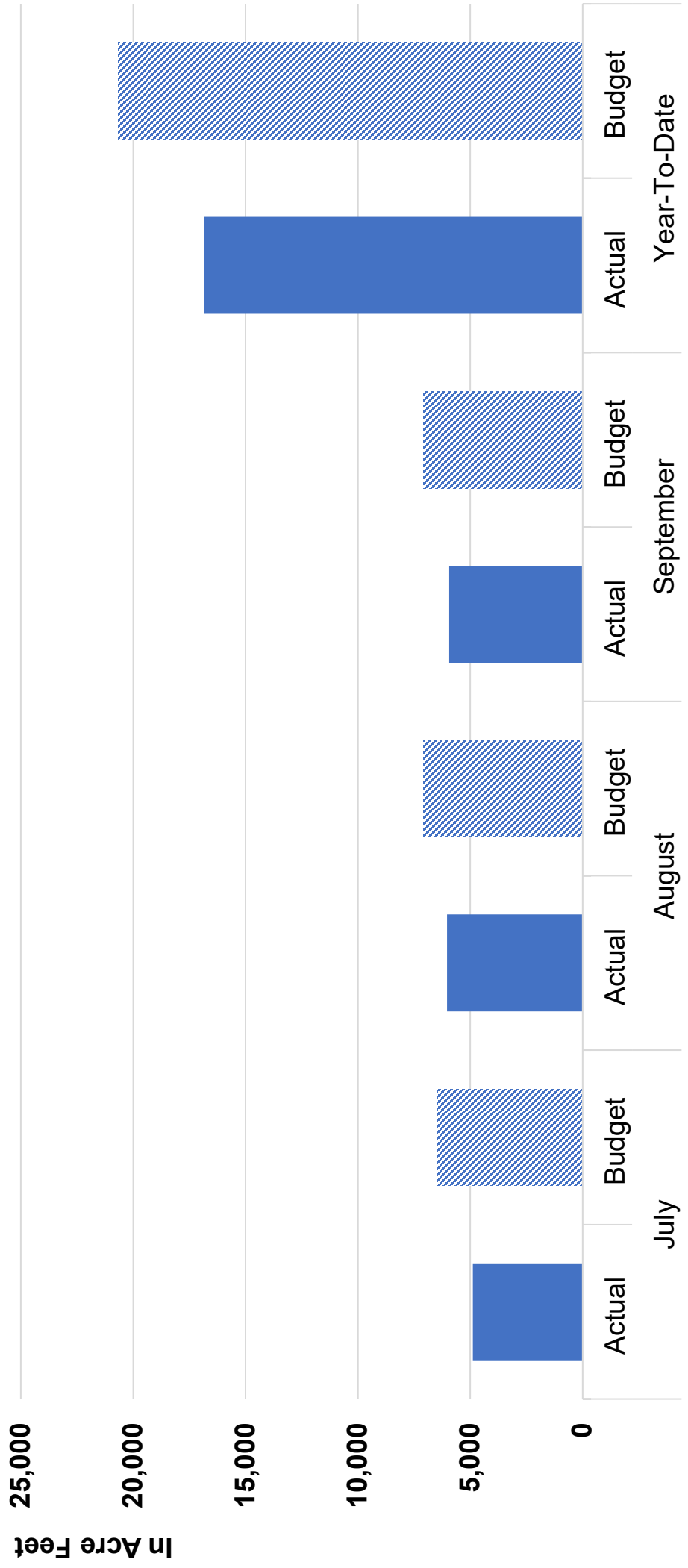
**Total Revenues  
FY 2023/24**



# Water Sales (AF)



**Water Sales (AF)  
FY 2023/24**

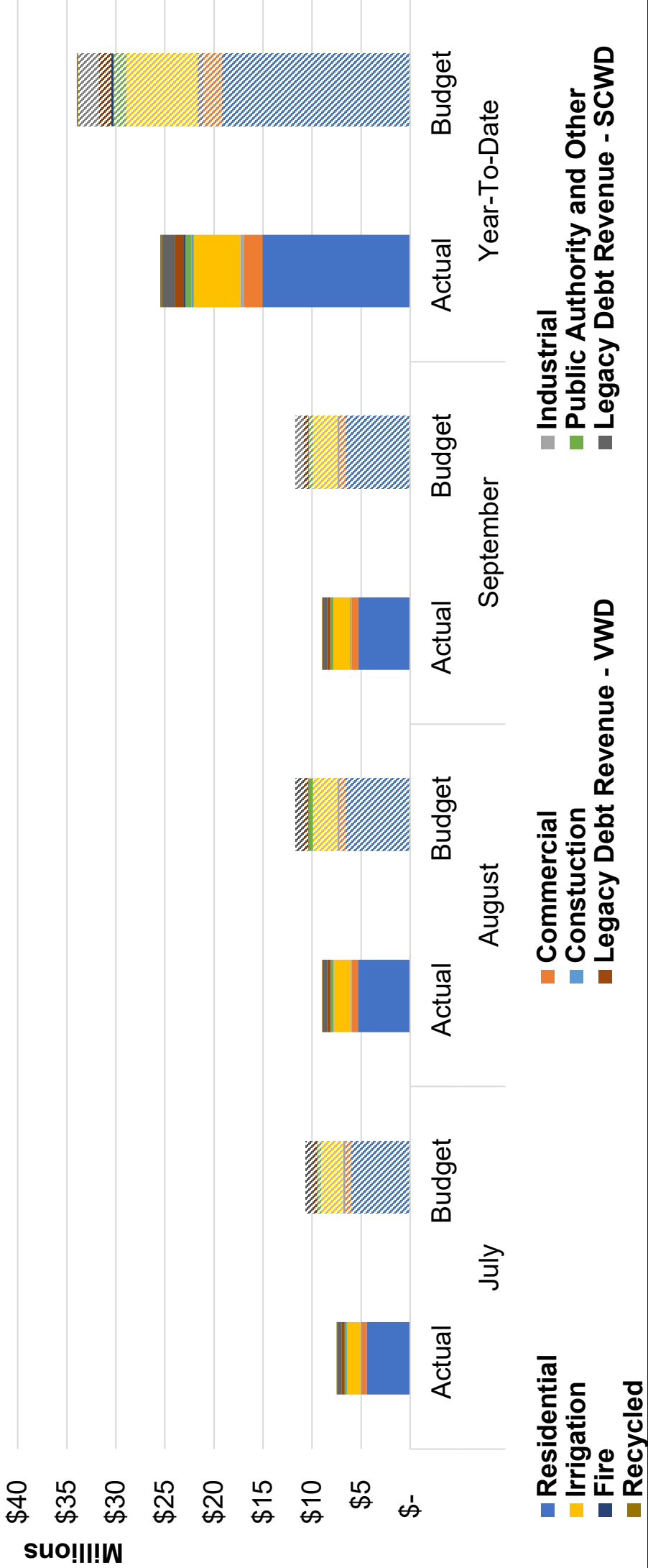




# Water Sales Revenue



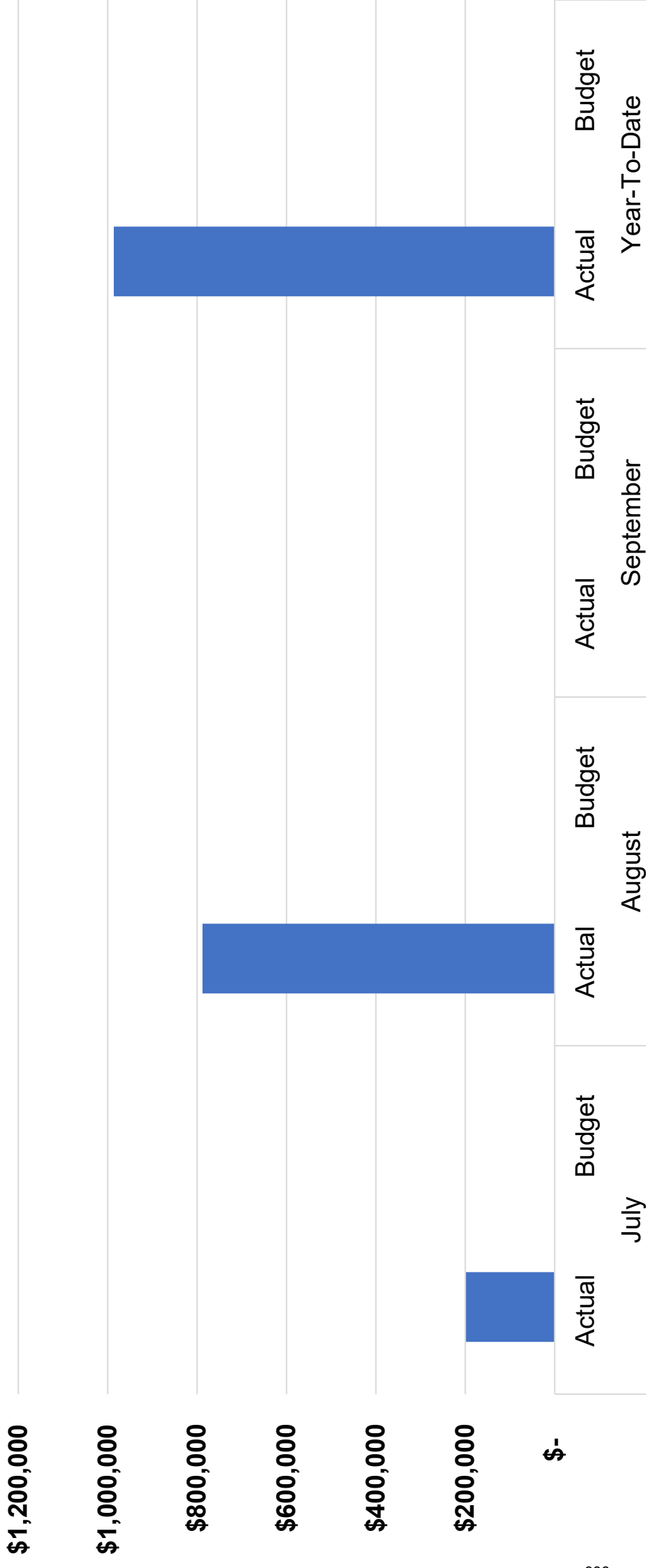
Water Sale Revenues  
by Customer Class  
FY 2023/24



# 1% Property Tax Revenues

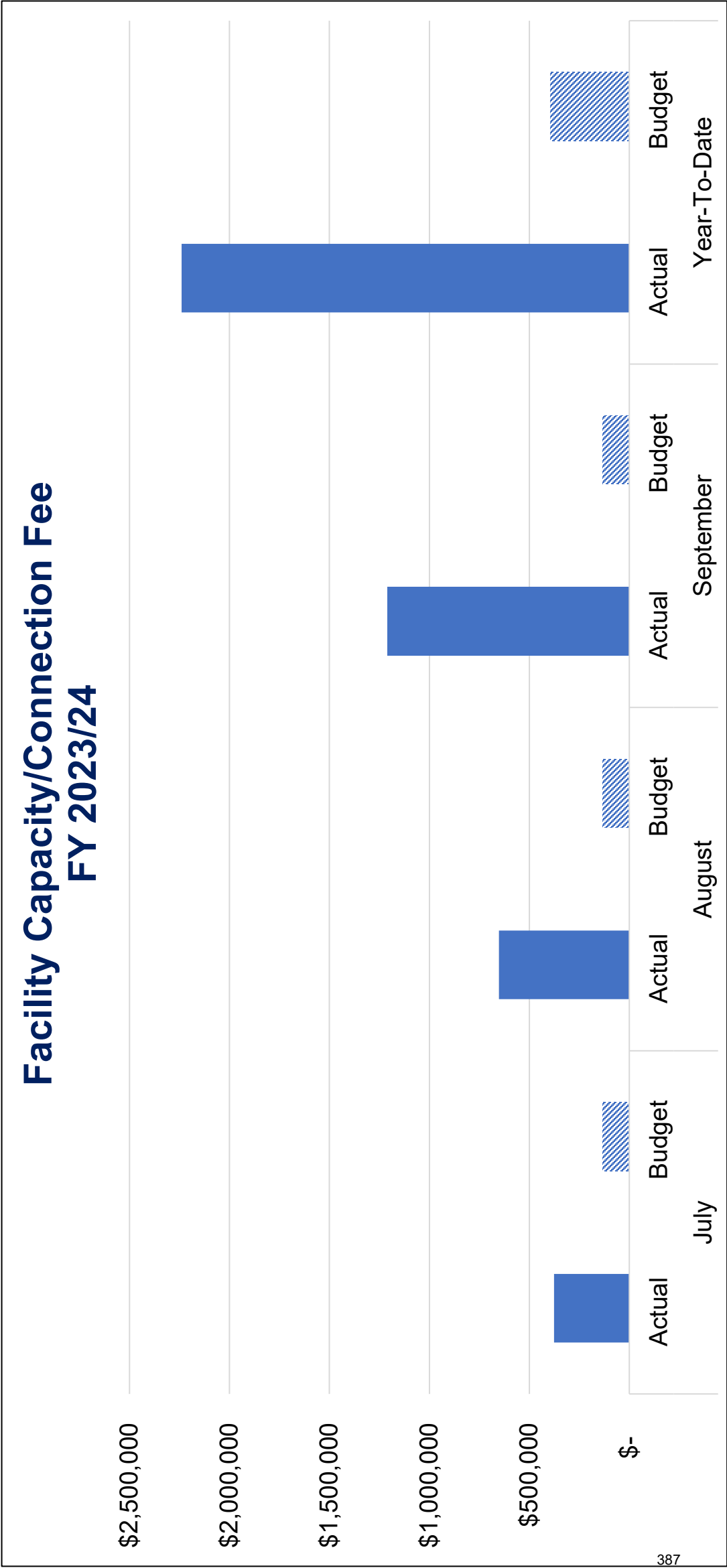


1% Property Taxes  
FY 2023/24





# Facility/Retail Capacity Fees



# Fees Received

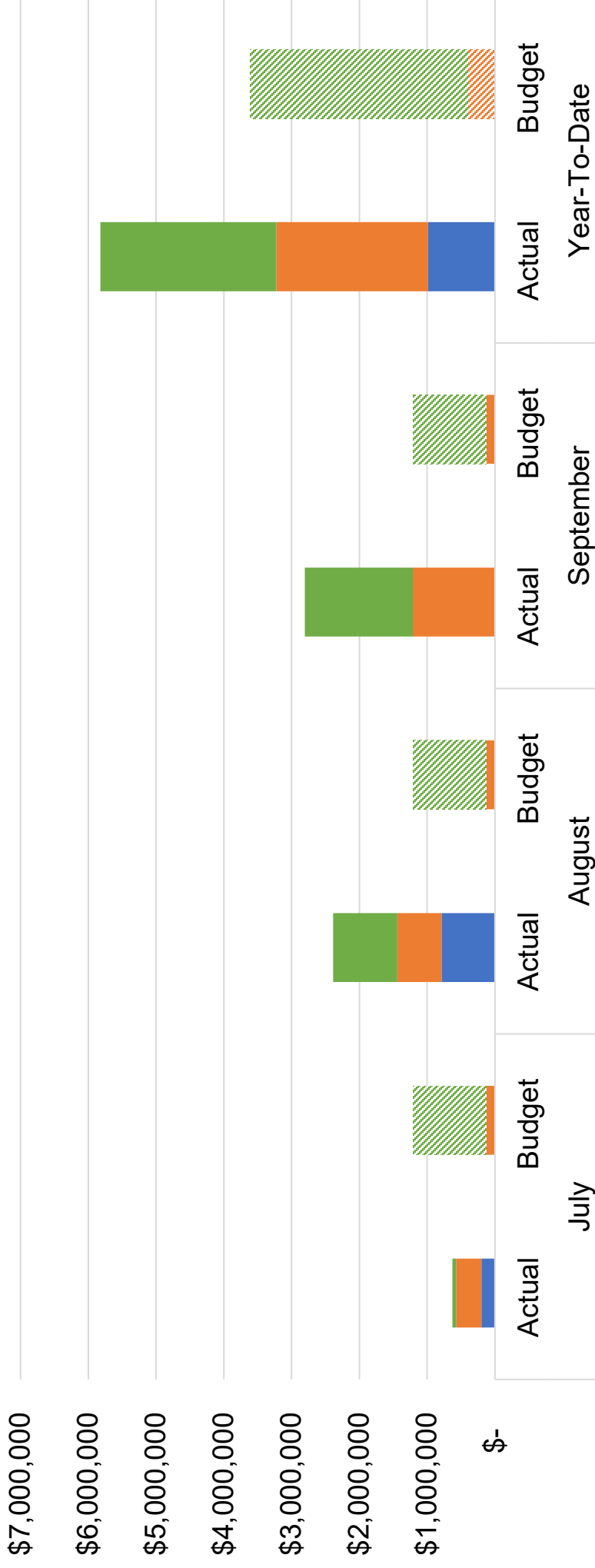


Developers	1st Quarter		Year to Date	
	Total	#FCF	Total	#FCF
Lennar Homes	\$ 1,512,145	99	\$ 1,512,145	99
KB Homes	\$ -	0	\$ -	0
Tri Pointe Homes	\$ 308,294	26	\$ 308,294	26
Newhall Land and Farming	\$ -	0	\$ -	0
Toll Brothers, Inc	\$ 5,418	1	\$ 5,418	1
Richmond American Homes	\$ 130,038	6	\$ 130,038	6
Williams Homes	\$ -	0	\$ -	0
Other	\$ 187,007	10	\$ 187,007	10
<b>Total</b>	<b>\$ 2,142,902</b>	<b>142</b>	<b>\$ 2,142,902</b>	<b>142</b>

# Other Revenues



Other Revenues  
FY 2023/24



# Investment Portfolio as of September 30, 2023

## Santa Clarita Valley Consolidated

Account #111008

## Portfolio Summary

As of September 30, 2023



### PORTFOLIO CHARACTERISTICS

Average Modified Duration	1.62
Average Coupon	2.43%
Average Purchase YTM	3.96%
Average Market YTM	4.97%
Average S&P/Moody Rating	AA/Aa1
Average Final Maturity	1.92 yrs
Average Life	1.82 yrs

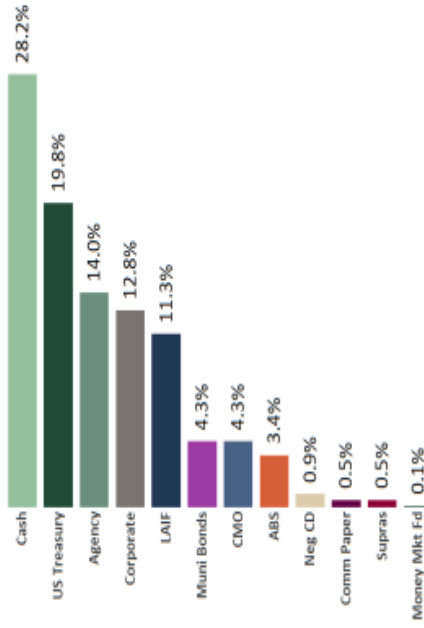
### ACCOUNT SUMMARY

	Beg. Values as of 8/31/23	End Values as of 9/30/23
Market Value	309,806,235	305,551,875
Accrued Interest	1,408,262	1,650,213
<b>Total Market Value</b>	<b>311,214,496</b>	<b>307,202,088</b>
Income Earned	656,682	653,939
Cont/WWD		
Par	315,728,152	312,927,056
Book Value	314,493,480	311,700,413
Cost Value	314,344,989	311,529,191

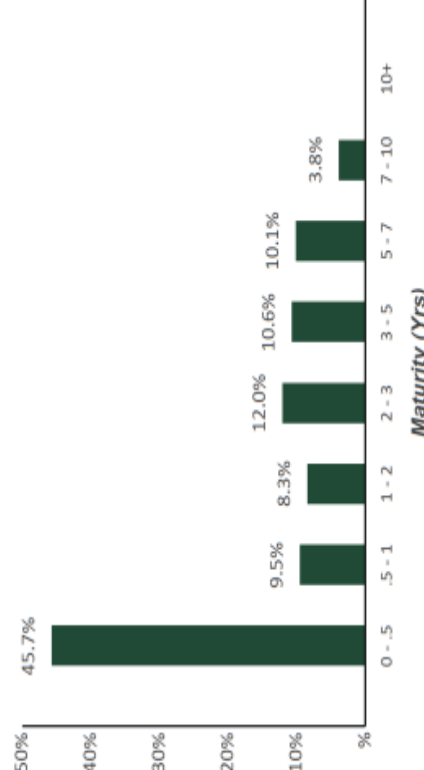
### TOP ISSUERS

US Bancorp	24.2%
Government of United States	19.8%
Local Agency Investment Fund	11.3%
Federal Home Loan Bank	8.0%
Federal Home Loan Mortgage Corp	4.3%
Federal Farm Credit Bank	4.1%
Wells Fargo Bank Operating	4.0%
State of California	1.9%
<b>Total</b>	<b>77.7%</b>

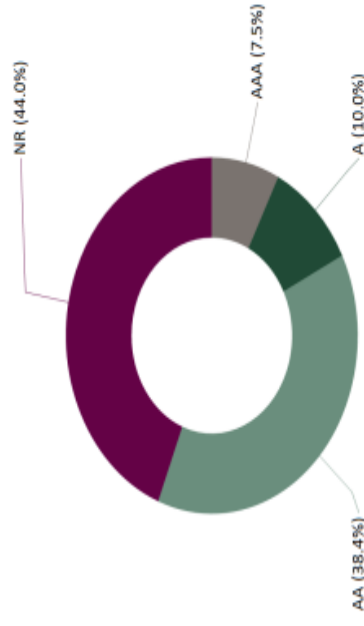
### SECTOR ALLOCATION



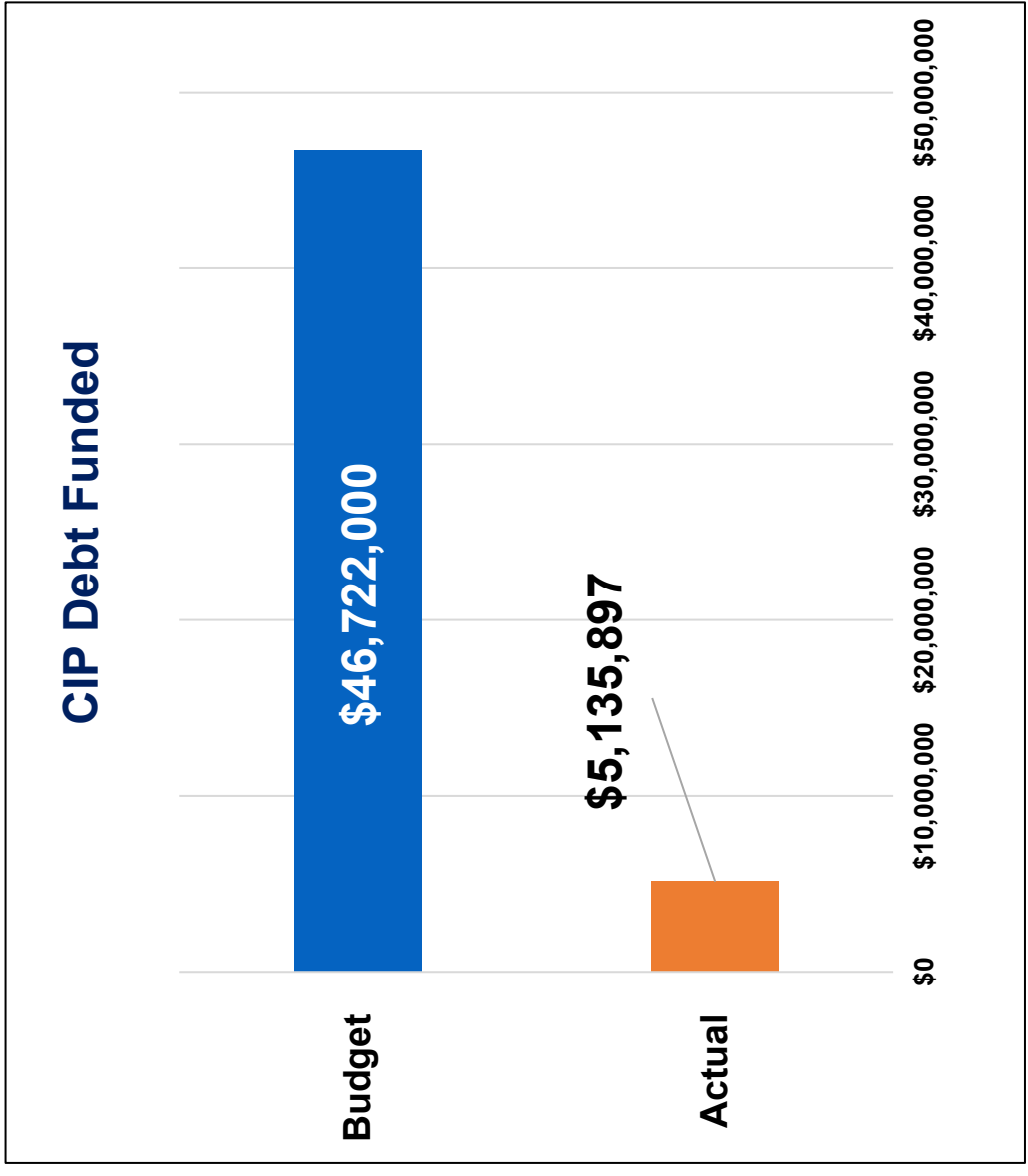
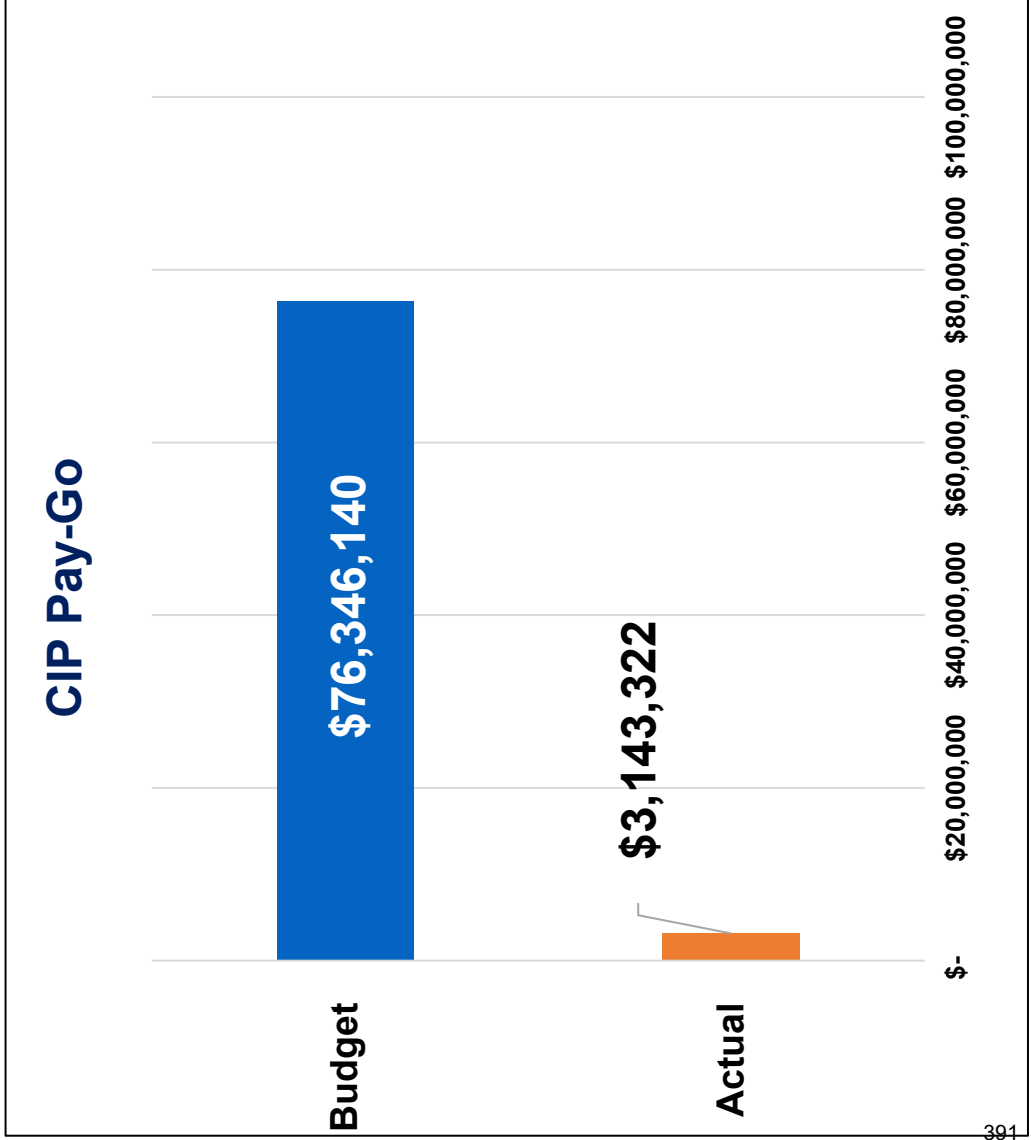
### MATURITY DISTRIBUTION



### CREDIT QUALITY (S&P)



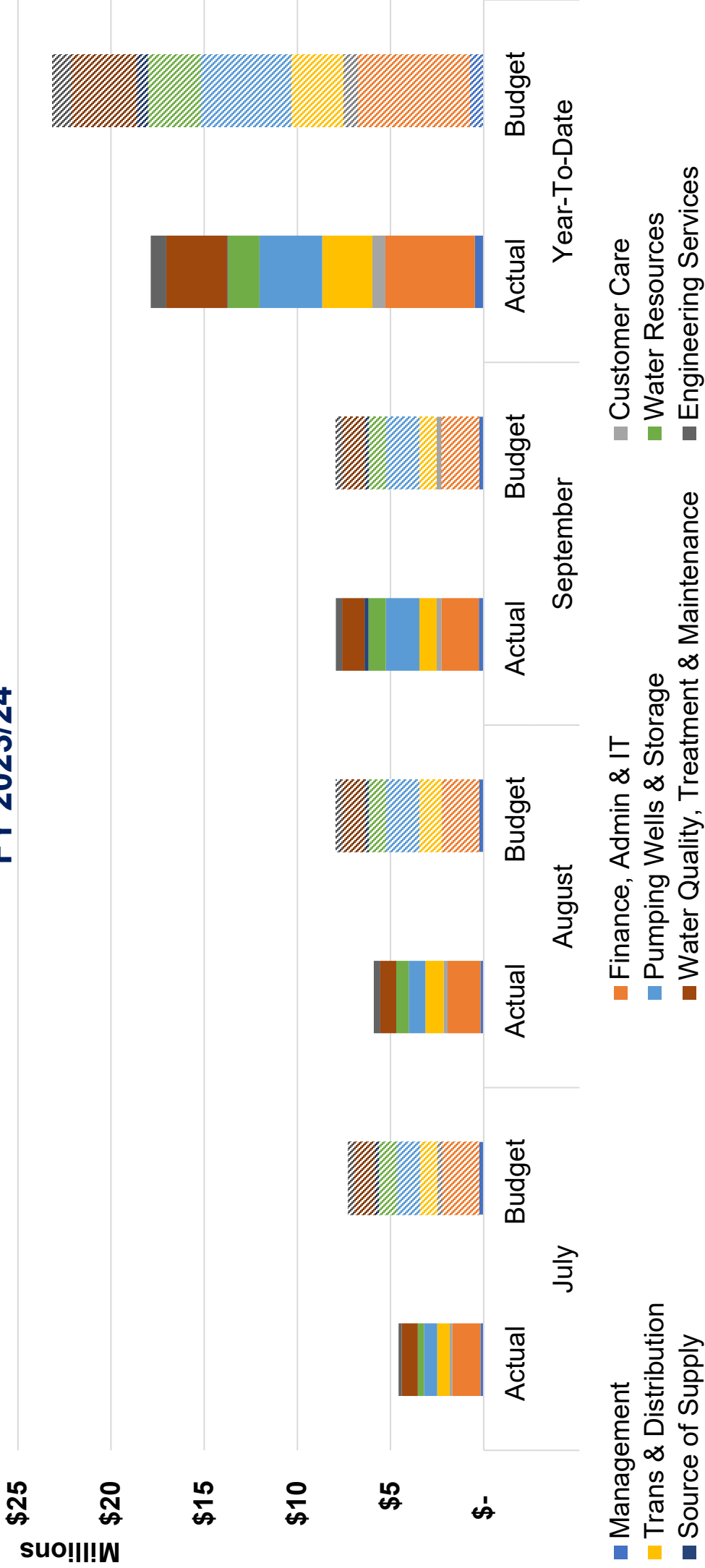
# Capital Improvement Program



# Operating Expenditures



## Operating Expenses FY 2023/24

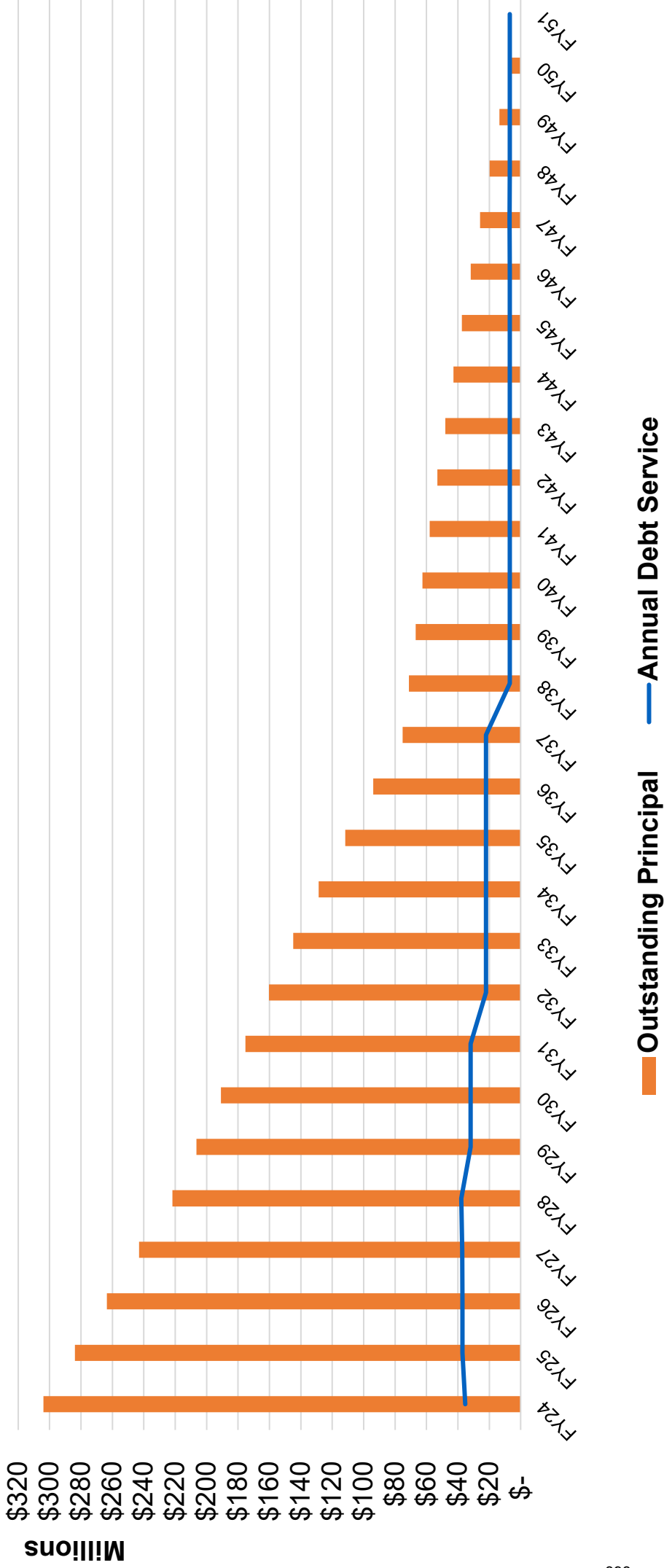




# Debt Service



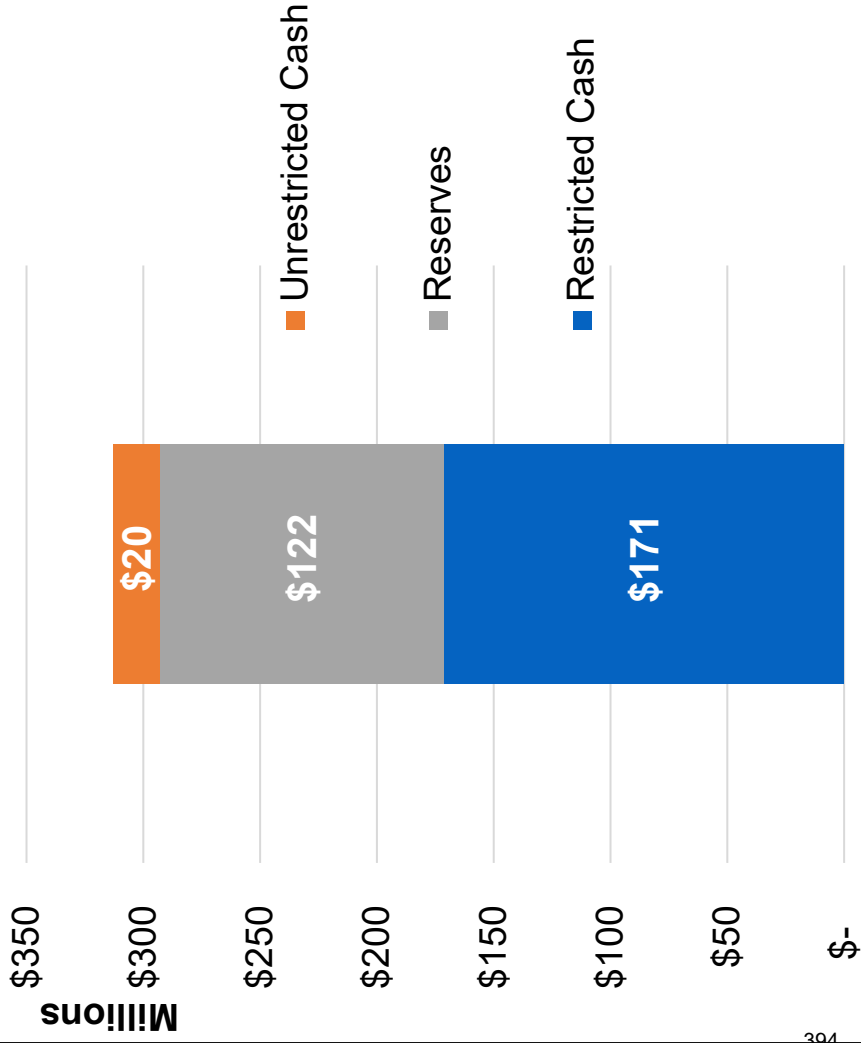
**Outstanding Principal and Annual Debt Service  
as of September 30, 2023**



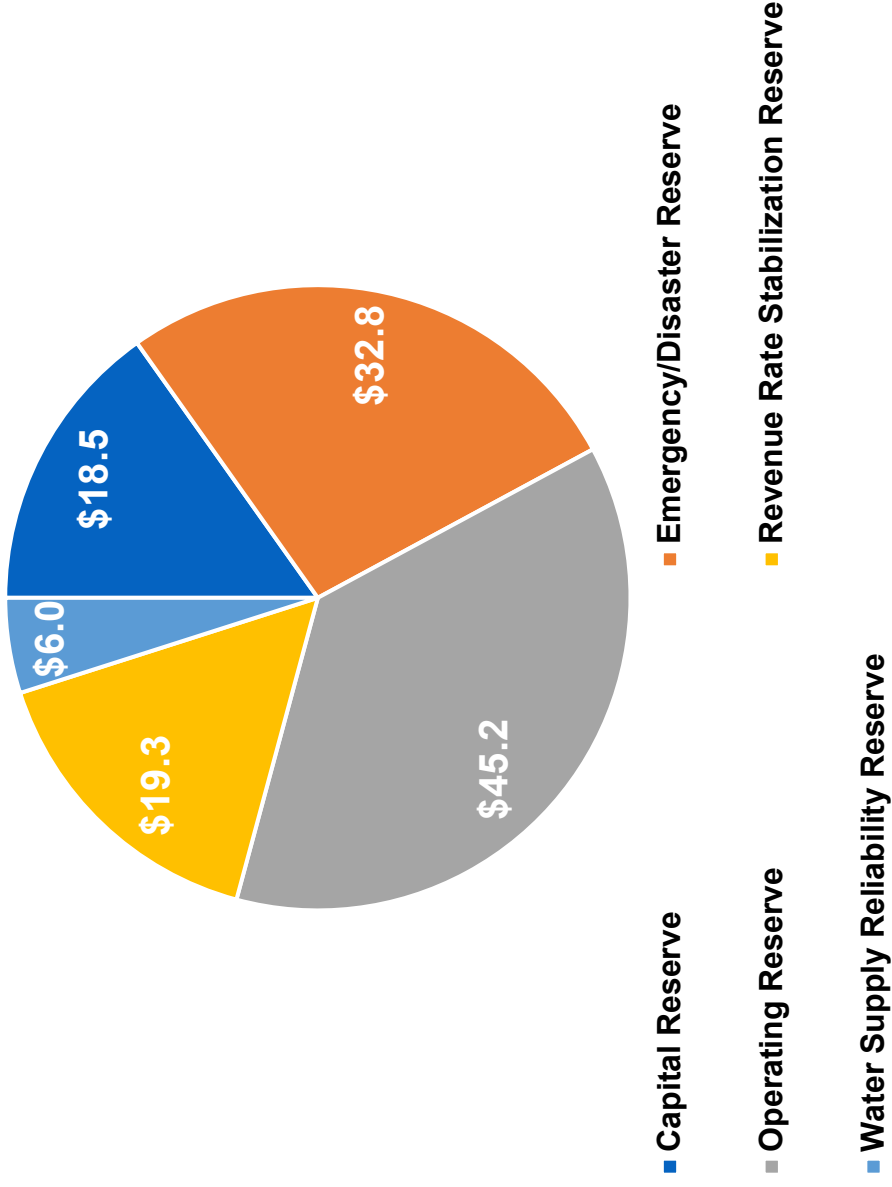
# Cash Position



Restricted and Unrestricted Cash  
(in millions)  
As of September 30, 2023



Reserves Funding (in millions)  
FY 2023/24



# Other Items

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- Statement of Revenues and Expenses for the month of September 2023, and YTD
- Investment Report
- 3 - Month Cashflow
- Debt & Cash Position
- Facility Capacity Fee Revenues (additional graphs)
- Ten Largest Disbursements – Check Register
- Credit Card Register
- Director Stipends
- Director Reimbursements

# Recommendation

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The Finance and Administration Committee recommends the Board of Directors receive and file the September 2023 Monthly and FY 2023/24 First Quarter Financial Report



## BOARD MEMORANDUM

**DATE:** October 17, 2023

**TO:** Board of Directors

**FROM:** April Jacobs   
Board Secretary

**SUBJECT:** Consider and Approve Issuing a Request For Proposals to Remodel the Existing SCV Water Agency Boardroom

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### SUMMARY/DISCUSSION

Since 1994, the Boardroom has had many different configurations ranging from the CLWA eleven-member Board, to the initial fifteen member SCV Water Board, and through the planned transition to the final 9-member SCV Water Board. The primary changes have been in the Board Dais and seating during the transition. In addition, there have been audio visual improvements to support public meeting access during COVID and the subsequent Board decision to implement hybrid/remote attendance and participation options as an ongoing enhancement.

The original Boardroom included a divider panel which could be used to create a separate training or conference room. However, in order to accommodate the larger Board during the transition period and subsequently to provide modernized audio and video streaming and remote participation, this functionality was lost to provide adequate space for the IT support staff and the Board Secretary while still providing for foot traffic flow in and out of the meeting space. The existing modular Board Dais is deteriorating in places and the chairs used by the Board, staff and the public are nearing the end of their useful life and will need to be replaced.

Now that the board has reached its final 9-member size, a team of staff, including Board administration, facilities, and information technology, have been evaluating options for a more permanent and functional reconfiguration of the Boardroom.

Staff investigated several options for remodeling the Boardroom to minimize cost, such as leaving the design the same and upgrading the Dais, adding new carpet and chairs, and redoing the walls. This option did not give us the versatility we were looking for and did not maximize the current space in the room. We also looked at increasing the size of the room, this option was costly as it would involve significantly more expensive design and construction to move existing permanent walls. After consideration of several options, and discussion of the functional strengths and weaknesses of different configurations we arrived at the preferred option shared in this report. We believe this option would make use of the existing footprint of the Boardroom with improved functionality for the Board, staff and public.

Staff met with management and the Board President twice during this process to review the cost and discuss the options as this proposal was developed. The Board President established an Ad Hoc Committee which consisted of President Martin, Vice Presidents Gutzeit and Orzechowski and Director Cooper to review the different options. After much discussion and several revisions, staff is presenting the following option that both the Ad Hoc Committee and staff feel makes the most sense to minimize cost and maximize the utility and versatility within the existing space of the Boardroom.

The key features of the remodel would include the following:

Moving the Board Dais from the right end of the room to a location left of the center doors as you enter the room (Figure 1). The orientation would also be rotated 90 degrees, which allows the Board members to see the public and staff entering the room and no longer have their sides or backs facing the door. This change would also be a benefit to the public, who would then have a better view of the Directors, TV screens and the Boardroom itself. This would also improve the traffic flow for the public or staff entering and exiting the room and provide better fixed locations for technology support staff and the Board Secretary during the meeting.

The Board Dais would be changed to make it a more practical table in a curved shape, allowing the Board members to better see one another during Board meetings and the Board Secretary would be added to the Dais. A monitor would be positioned at each Board member's location to facilitate PowerPoint viewing (see figure 2), and two TVs would be positioned behind the Board and one on the side wall to allow PowerPoint watching by staff and members of the public. Situated nearer to the Board table, but still in the middle of the room, would be the General Manager, Assistant General Manager, and General Counsel (Figure 1).



Figure 1 – Photo of the Boardroom as the public walks in, note the new Dais, additional TV in the front of the Boardroom and the location of Staff.

An alcove in the back of the room would be added for use by IT, providing a more workable space for IT staff during Board and Committee meetings (Figure 2). Alcove would replace two current cabinets.



Figure 2 – Photo shows the new addition of the alcove for IT and the monitors at each of the Director’s spots.

The coffered area around the ceiling, the track in the center of the room and the tile would be removed and the whole floor would be recarpeted.

The two double doors would become two single entry doors creating additional cabinet space for AV and Board supplies (Figures 3).



Figure 3 – Photo is of the current two areas in the Boardroom that have double doors both will change to single doors creating extra space in both rooms.

The walls would all be updated with a laminate paneling throughout, and the Board tabletop would be a white granite. New chairs for both the Board and public would be purchased and window coverings would be updated.

A Multipurpose/Closed Session room would also be added. By adding the extra room, the Board would have a dedicated location for closed sessions, staff could utilize the room during the day for staff meetings, the transition from open to closed sessions would be more efficient, and it would be a more useful space overall. Moreover, during a closed session, the staff and public would no longer be required to exit the Boardroom. Lastly, the Closed Session/Multipurpose room would have soundproofing and have its own audio equipment (Figure 4).



Figure 4 – Photo shows the Closed Session/Multipurpose Room from the front of the room, note the new cabinets. The conference room table will be rounded, and two TV's will be added for better viewing of presentations. A door would be added between the rooms for easy access.

The HVAC system would be updated as well as new speakers in the ceiling and upgraded technology.

Note, the Boardroom currently accommodates 30 seats for the public and staff, the new design will accommodate the same (Figure 5). In addition, if we had a larger attendance for a particular item, staff could use the conference room to free up seating in the main section for the public.





Figure 5 – The photo shows the Boardroom view and public seating.

The update will modernize the Boardroom, create more functionality, and maximize the space, allowing for an overall better Board meeting experience for not only the Board members but members of the public and staff (Figure 6).

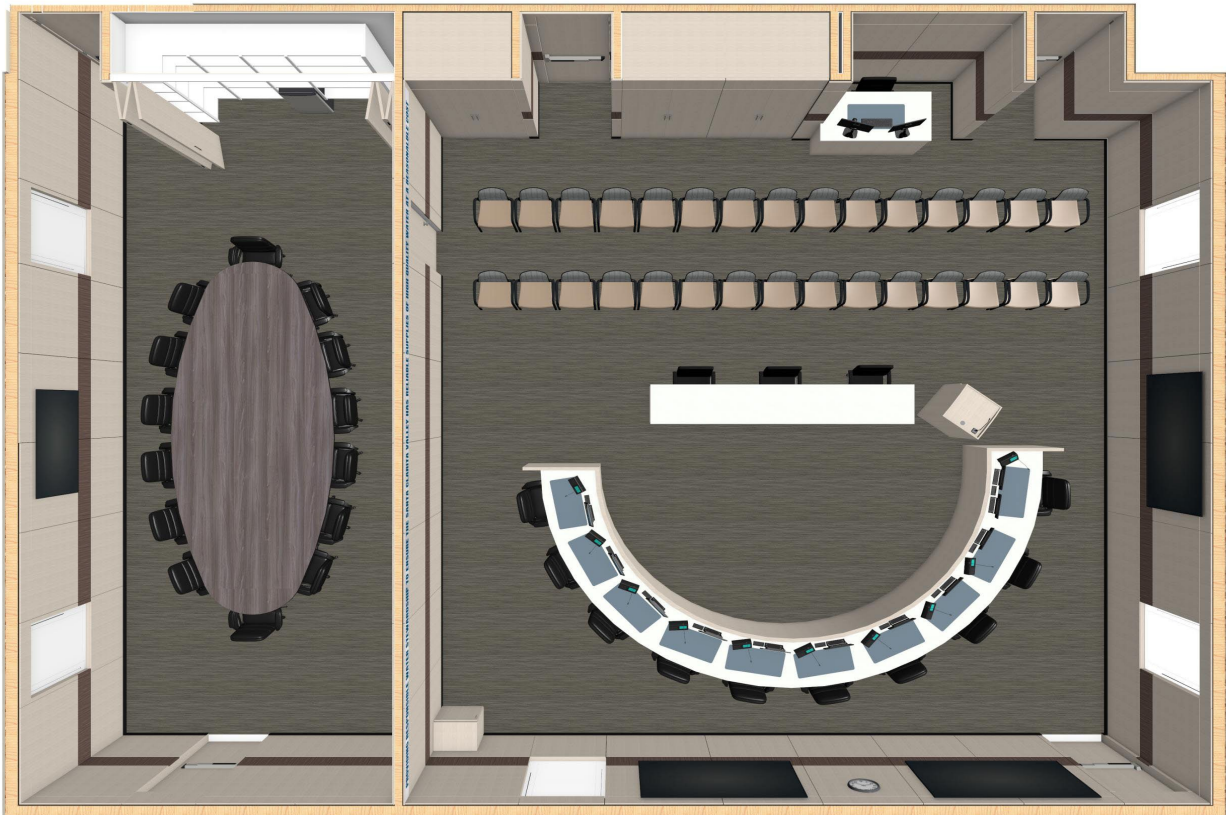


Figure 6 – The photo shows the view of the remodel Boardroom and addition of the Closed Session/Multipurpose room from an overhead view.

## **Next Steps**

Staff is requesting that the Board approve moving forward with issuing Request for Proposals (RFP) to upgrade and remodel the Boardroom.

Should the Board approve moving forward with an RFP, staff would post the RFP following the December 5, 2023 regular Board meeting and bring this item back with a recommendation for full Board consideration and approval in January 2024.

The remodel would take an estimated 5 to 6 months to complete. During the remodel, the Board meetings would be moved to the Pine Street location and the Finance and Administration Committee meeting would move to the Summit location.

Staff did look at other locations as possible Boardroom options, the Earl Schmidt Filtration Plant is not easily accessible, Rockefeller and Summit conference rooms are too small, and the Pine Street training room has been retrofitted into a flexible Training Room that is used for staff trainings (and recently for the Water Academy) so could not be used as a permanent Boardroom. The Rio Vista Water Treatment Plant is more accessible, and it makes more sense to update and remodel what we currently utilize. To make it easier to see the modifications, renderings of the Boardroom makeover are attached.

## **FINANCIAL CONSIDERATIONS**

Estimated cost for the project would be approximately \$750,000. Funds for this project were included in the FY 2023/24 Budget.

## **RECOMMENDATION**

Staff is requesting that the Board of Directors approve moving forward with issuing a Request for Proposals to remodel the existing Boardroom.

Attachment

MBS

# SCV WATER BOARD ROOM REMODEL

1

**SCV WATER BOARD OF DIRECTORS**  
27234 BOUQUET CANYON RD.  
SANTA CLARITA, CA 91350

**BR BUILDERS INC.**  
BOB RODRIGUEZ  
661.296.3899

# BOARD ROOM VIEW 1

2



# BOARD ROOM VIEW 2

3



# BOARD ROOM VIEW 2.1

4



# BOARD ROOM VIEW 3

5



# BOARD ROOM VIEW 4

6





# BOARD ROOM VIEW 5

7



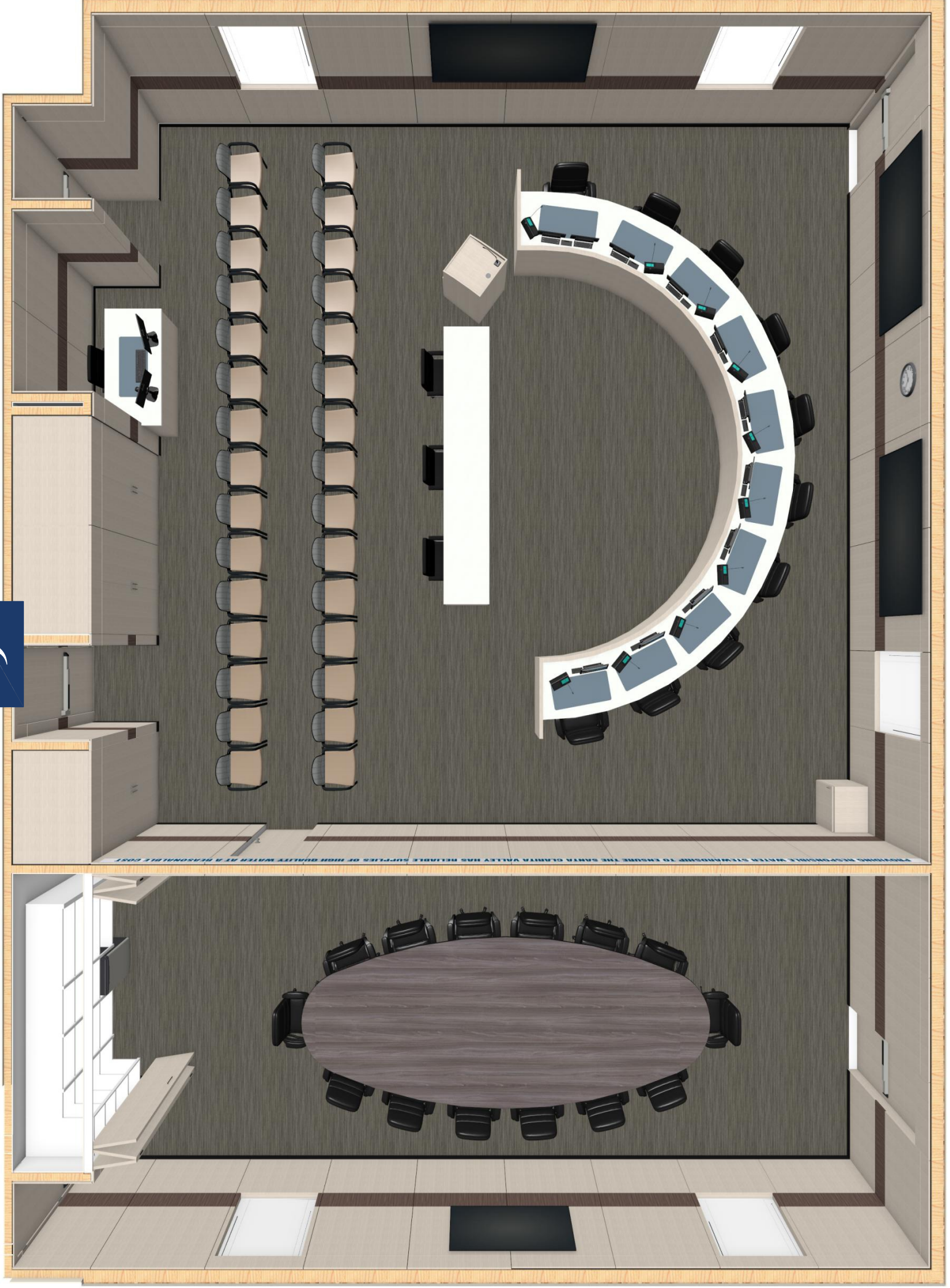
# BOARD ROOM VIEW 6

8



# BOARD ROOM PERSPECTIVE VIEW

9



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ITEM NO.  
7.1

Santa Clarita Valley Water Agency  
Currently Monthly Salary Data  
November 2023

General Manager		Rank	Comparator Agency	Class Title	Current Base Monthly Salary October 2022	Current Actual Monthly Salary November 2023	% Change	Effective Date	Next Salary Increase	Next Percentage Increase
	Santa Clarita Valley Water Agency		General Manager		\$ 25,446	\$ 27,000	6.1%	12/1/2022	unknown	Unknown
1	Calleguas Municipal Water District <sup>1</sup>		General Manager		\$ 28,750	\$ 33,063	15.0%	9/1/2023	unknown	unknown
2	Irvine Ranch Water District		General Manager		\$ 27,846	\$ 31,551	13.3%	7/1/2023	unknown	unknown
3	Orange County Sanitation District		General Manager		\$ 27,728	\$ 29,919	7.9%	7/1/2023	unknown	unknown
4	United Water Conservation District		General Manager		\$ 28,621	\$ 29,765	4.0%	6/12/2023	unknown	unknown
5	Las Virgenes Municipal Water District		General Manager		\$ 28,095	\$ 29,219	4.0%	7/22/2023	unknown	unknown
6	Municipal Water District of Orange County <sup>2</sup>		General Manager		\$ 25,150	\$ 29,156	15.9%	9/1/2023	unknown	unknown
7	Coachella Valley Water District		General Manager		\$ 27,035	\$ 28,792	6.5%	12/31/2022	unknown	unknown
8	Desert Water Agency		General Manager		\$ 26,131	\$ 28,454	8.9%	6/23/2023	unknown	unknown
9	Zone 7 Water Agency		General Manager		\$ 26,166	\$ 27,737	6.0%	3/5/2023	unknown	unknown
10	West Basin Municipal Water District		General Manager		\$ 25,000	\$ 26,083	4.3%	7/1/2023	unknown	unknown
11	City of Long Beach		General Manager - Water		\$ 24,626	\$ 25,129	2.0%	10/1/2023	unknown	unknown
12	Alameda County Water District		General Manager		\$ 23,684	\$ 24,869	5.0%	7/3/2023	unknown	unknown
13	Helix Water District		General Manager		\$ 21,250	\$ 22,525	6.0%	9/1/2023	unknown	unknown
<b>Average of Comparators</b>					\$ 26,160	\$ 28,174	7.6%			
% Santa Clarita Valley Water Agency Above/Below					-2.7%	-4.2%				
<b>Median of Comparators</b>					\$ 26,166	\$ 28,792	6.0%			
% Santa Clarita Valley Water Agency Above/Below					-2.8%	-6.2%				
<b>Number of Matches</b>					13	13				

NOTE: All calculations exclude Santa Clarita Valley Water Agency.

<sup>1</sup> GM recently received an increase based on the current 12 month CPI and salary survey recently conducted by the district.

<sup>2</sup> GM died unexpectedly in Jan 2023. Recruitment opened 8/11/23, closed 9/22/23. Anticipate new GM on board Jan 2024. Top set of salary is listed.

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Santa Clarita Valley Water Agency  
Current Monthly Salary Data  
October 2022

General Manager		Class Title	Current Base Monthly Salary November 2021	Current Actual Monthly Salary October 2022	% Change	Effective Date	Next Salary Increase	Next Percentage Increase
Rank	Comparator Agency	General Manager	\$ 25,446	\$ 25,446	0.0%	10/1/2021	unknown	Unknown
1	Santa Clarita Valley Water Agency	General Manager	\$ 23,958	\$ 28,750	20.0%	9/1/2022	unknown	unknown
2	Calleguas Municipal Water District <sup>1</sup>	General Manager	\$ 26,723	\$ 28,621	7.1%	5/11/2022	unknown	unknown
3	United Water Conservation District	General Manager	\$ 26,757	\$ 28,095	5.0%	7/20/2022	unknown	unknown
4	Las Virgenes Municipal Water District	General Manager	\$ 27,846	\$ 27,846	0.0%	10/1/2021	Nov. '22	unknown
5	Irvine Ranch Water District <sup>4</sup>	General Manager	\$ 27,728	\$ 27,728	0.0%	7/1/2021	Under Review	unknown
6	Orange County Sanitation District <sup>6</sup>	General Manager	\$ 25,747	\$ 27,035	5.0%	1/1/2022	unknown	unknown
7	Coachella Valley Water District	General Manager	\$ 25,040	\$ 26,166	4.5%	4/17/2022	unknown	unknown
8	Zone 7 Water Agency	General Manager	\$ 24,866	\$ 26,131	5.1%	6/24/2022	unknown	unknown
9	Desert Water Agency	General Manager	\$ 25,150	\$ 25,150	0.0%	7/1/2021	Oct. '22	unknown
10	Municipal Water District of Orange County <sup>5</sup>	General Manager	\$ 26,730	\$ 25,000	-6.5%	4/11/2022	unknown	unknown
11	West Basin Municipal Water District <sup>3</sup>	General Manager	\$ 24,143	\$ 24,626	2.0%	9/30/2022	unknown	unknown
12	City of Long Beach	General Manager - Water	\$ 19,668	\$ 23,532	19.6%	6/1/2022	6/1/2023	2%
13	Casitas Municipal Water District	General Manager	\$ 22,557	\$ 23,684	5.0%	7/1/2022	unknown	unknown
14	Alameda County Water District	General Manager	\$ 22,612	\$ 21,250	-6.0%	8/3/2022	unknown	unknown
15	Helix Water District <sup>2</sup>	General Manager	\$ 18,750	\$ 19,688	5.0%	7/25/2022	unknown	unknown
16	Central Basin Municipal Water District	General Manager	\$ 18,570	\$ 19,127	3.0%	1/1/2022	unknown	CPI 0-4.5%
16	Ventura Regional Sanitation District	General Manager	\$ 18,570	\$ 19,127	3.0%	1/1/2022	unknown	CPI 0-4.5%

<b>Average of Comparators</b>	\$ 24,178	\$ 25,152	5.2%	1.2%
<b>% Santa Clarita Valley Water Agency Above/Below</b>				
<b>Median of Comparators</b>	\$ 24,953	\$ 25,640	2.0%	-0.8%
<b>% Santa Clarita Valley Water Agency Above/Below</b>				
<b>Number of Matches</b>	16	16		

NOTE: All calculations exclude Santa Clarita Valley Water Agency.

<sup>1</sup> GM recently received an increase based on the current 12 month CPI and salary survey recently conducted by the district.

<sup>2</sup>New GM appointed August 2022.

<sup>3</sup>New GM appointed April 2022.

<sup>4</sup>Agency confirmed no changes to salary amount from 2021. Amendment to GM's contract is on the Board's agenda in November 2022.

<sup>5</sup>No current changes to salary amount from 2021. Amendment to GM's contract is on the Board's agenda in Oct 2022.

<sup>6</sup>Agency confirmed no current changes to salary amount from 2021. GM's annual performance review is currently under review by the Steering Committee.

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Santa Clarita Valley Water Agency  
Current Monthly Salary Data  
November 2021

General Manager		Comparator Agency	Class Title	Current Base Monthly Salary November 2020	Current Actual Monthly Salary November 2021	% Change	Effective Date	Next Salary Increase	Next Percentage Increase
<b>Rank</b>	<b>Comparator Agency</b>	<b>Class Title</b>	<b>Current Base Monthly Salary November 2020</b>	<b>Current Actual Monthly Salary November 2021</b>	<b>% Change</b>	<b>Effective Date</b>	<b>Next Salary Increase</b>	<b>Next Percentage Increase</b>	
	Santa Clarita Valley Water Agency	General Manager	\$ 23,781	\$ 25,446	7.0%	12/28/2020	unknown	Unknown	
1	Irvine Ranch Water District	General Manager	\$ 26,483	\$ 27,846	5.1%	10/1/2021	10/1/2022	unknown	
2	Orange County Sanitation District	General Manager	\$ 26,939	\$ 27,728	2.9%	7/1/2021	unknown	unknown	
3	Las Virgenes Municipal Water District	General Manager	\$ 26,978	\$ 26,757	3.0%	10/2/2021	unknown	unknown	
4	West Basin Municipal Water District <sup>1</sup>	General Manager	\$ 26,730	\$ 26,730	0.0%	6/10/2021	unknown	unknown	
5	United Water Conservation District	General Manager	\$ 24,952	\$ 26,723	7.1%	5/15/2021	unknown	unknown	
6	Coachella Valley Water District	General Manager	\$ 25,243	\$ 25,747	2.0%	1/1/2021	unknown	unknown	
7	Municipal Water District of Orange County	General Manager	\$ 24,591	\$ 25,150	2.3%	7/1/2021	unknown	unknown	
8	Zone 7 Water Agency	General Manager	\$ 24,310	\$ 25,040	3.0%	3/21/2021	unknown	unknown	
9	Desert Water Agency	General Manager	\$ 23,906	\$ 24,866	4.0%	6/25/2021	unknown	unknown	
10	City of Long Beach <sup>2</sup>	General Manager - Water	\$ 24,143	\$ 24,143	0.0%	10/29/2020	unknown	unknown	
11	Calleguas Municipal Water District	General Manager	\$ 20,000	\$ 23,958	19.8%	9/1/2021	unknown	unknown	
12	Helix Water District	General Manager	\$ 21,535	\$ 22,612	5.0%	2/1/2021	2/1/2022	5%	
13	Alameda County Water District <sup>3</sup>	General Manager	\$ 25,704	\$ 22,557	-12.2%	7/2/2021	unknown	unknown	
14	Casitas Municipal Water District	General Manager	\$ 18,750	\$ 19,668	4.9%	5/22/2021	5/22/2022	2%	
15	Central Basin Municipal Water District	General Manager	\$ 16,667	\$ 18,750	12.5%	8/23/2021	unknown	unknown	
16	Ventura Regional Sanitation District	General Manager	\$ 18,029	\$ 18,570	3.0%	1/3/2021	unknown	unknown	
<b>Average of Comparators</b>				\$ 23,372	\$ 24,178	5.2%			
<b>% Santa Clarita Valley Water Agency Above/Below</b>				1.7%					
<b>Median of Comparators</b>				\$ 24,451	\$ 24,953	2.0%			
<b>% Santa Clarita Valley Water Agency Above/Below</b>				-2.7%					
<b>Number of Matches</b>				16	16				

NOTE: All calculations exclude Santa Clarita Valley Water Agency.

<sup>1</sup> Salary reflected is for former GM who was terminated 8/2021; Interim GM's salary significantly less


<sup>2</sup> Increase originally eff. 2/2020 but GM relinquished due to COVID impacts; increase reinstated 10/2020 and retro'd back to 4/2020

<sup>3</sup> New GM appointed July 2021

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## BOARD MEMORANDUM

**DATE:** December 5, 2023  
**TO:** Board of Directors  
**FROM:** Steve Cole   
Assistant General Manager  
**SUBJECT:** November 8, 2023 Water Resources and Watershed Committee Meeting Recap Report

---

The Water Resources and Watershed Committee met at 5:30 PM on Wednesday, November 8, 2023 at the Engineering Services Section (ESS) Boardroom located at 26521 Summit Circle, Santa Clarita, CA 91350. In attendance were Committee Chair Piotr Orzechowski, Directors William Cooper, Dirk Marks, and Gary Martin. Staff members present were Director of Water Resources Ali Elhassan, Executive Assistant Eunie Kang, and Information Technology Technician II Jonathan Thomas. Attending virtually were Sustainability Manager Matt Dickens, Water Resources Planner Rick Vasilopoulos, Senior Engineer Orlando Moreno, and members of the public were present. A copy of the agenda is attached.

**Item 2: Public Comment** – There was public comment.

Due to staff member's jury duty, the Committee rearranged the agenda items presentations. This change was made to avoid any disruptions or delays in the meeting.

(1) **Item 5.1: Water Use Efficiency Strategic Plan Update** – Matt Dickens gave a presentation on the background and progress of the Water Use Efficiency Strategic Plan. He also introduced the Water Demand Forecasting Tool, which can help calculate future water requirements based on various factors. Finally, he outlined the proposed timelines and tasks for the conservation department to implement the plan.

There was public comment on item 5.1.

(2) **Item 5.2: Sustainability Manager's Staff Activities** – Matt Dickens outlined the latest achievements and developments in the conservation and sustainability efforts. He highlighted that the Agency has received the fourth consecutive United States EPA WaterSense Excellence Award for its outstanding water efficiency programs. He also introduced James Doyle, the newly hired limited duration to the conservation team. And provided updates to the Battery Storage project at Rio Vista Water Treatment Plant.

(3) **Item 3: Recommend Adoption of a Resolution Approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B and C) Development** – After review and discussion, the Committee recommended through consensus to move this item forward for consideration and approval by the Board of Directors. This item will be presented in a separate report going to the December 5, 2023 regular Board meeting.

There was public comment on item 3.

- (4) **Item 4.1: Water Resources Director's Staff Activities** – Ali Elhassan updated the Committee on the progress of the Agency's exchange and transfer agreements. He also reported on the water resiliency initiatives and the various activities of the staff in collaborating and networking with other industry stakeholders.
- (5) **Item 6: Committee Planning Calendar** – Staff and the Committee reviewed the Planning Calendar.
- (6) **Item 7: Adjournment** – The meeting adjourned at 6:56 P.M.

The meeting recording is available on the SCV Water Agency website or by clicking the following link: [Water Resources and Watershed Committee Meeting Recording.](#)

Attachment

MBS



**Date:** November 1, 2023

**To:** **Water Resources and Watershed Committee**  
Piotr Orzechowski, Chair  
William Cooper  
Dirk Marks  
Gary Martin

**From:** Steve Cole, Assistant General Manager *SM*

The **Water Resources and Watershed Committee** meeting for **Wednesday, November 8, 2023 at 5:30 PM at 26521 Summit Circle, Santa Clarita, CA 91350 in the Engineering Services Section (ESS) Boardroom**. Members of the public may attend in person or virtually. To attend this meeting virtually, please see below.

### **IMPORTANT NOTICES**

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually by using the **Agency's Call-In Number 1-833-568-8864, Webinar ID: 160 458 8103 or Zoom Webinar by clicking on the link [scvwa.zoomgov.com/j/1604588103](https://scvwa.zoomgov.com/j/1604588103)**. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom Webinar link above. However, in the event there is a disruption of service which prevents the Agency from broadcasting the meeting to members of the public using either the call-in option or internet-based service, this meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is being provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in person.

Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Committee meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

Members of the public unable to attend this meeting may submit comments either in writing to [ekang@scvwa.org](mailto:ekang@scvwa.org) or by mail to Eunie Kang, Executive Assistant, Santa Clarita Valley Water Agency, 26501 Summit Circle, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Committee members and posted on the Santa Clarita Valley Water Agency website prior to the start of the meeting. Anything received after 4:00 PM the day of the meeting, will be made available at the meeting, if practicable, and will be posted on the SCV Water website the following day. All correspondence with comments, including letters or emails, will be posted in their entirety.

## MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	<b><u>PLEDGE OF ALLEGIANCE</u></b>	
2.	<b><u>PUBLIC COMMENTS</u></b> – Members of the public may comment as to items within the subject matter jurisdiction of the Agency that are not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so at the time each item is considered. (Comments may, at the discretion of the Committee Chair, be limited to three minutes for each speaker.)	
3. *	Recommend Adoption of a Resolution Approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B and C) Development	1
4.	Water Resources Director’s Report	
	4.1 Staff Activities	
5.	Sustainability Manager Report	
	5.1 Water Use Efficiency Strategic Plan Update	
	5.2 Staff Activities	
6. *	Committee Planning Calendar	157
7.	Adjournment	
*	Indicates Attachment	
●	Indicates Handout	

### NOTICES:

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning Eunie Kang, Executive Assistant, at (661) 297-1600, or email to [ekang@scvwa.org](mailto:ekang@scvwa.org) or by writing to Eunie Kang, Santa Clarita Valley Water Agency, 26501 Summit Circle, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

Nov 1, 2023

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Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Committee less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at [yourSCVwater.com](http://yourSCVwater.com).


Posted on November 1, 2023

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## BOARD MEMORANDUM

**DATE:** November 20, 2023  
**TO:** Board of Directors  
**FROM:** Steve Cole   
Assistant General Manager  
**SUBJECT:** November 16, 2023 Public Outreach and Legislation Committee Meeting Recap Report

---

The Public Outreach and Legislation Committee met at 5:30 PM on Thursday, November 16, 2023, at the Engineering Services Section (ESS) Boardroom located at 26521 Summit Circle, Santa Clarita, CA 91350. In attendance were Committee Chair Maria Gutzeit, Directors Kathy Armitage, Beth Braunstein and Ed Colley. Staff members present were Assistant General Manager Steve Cole, Communications Manager Kevin Strauss, Management Analyst II Cheryl Fowler and Information Technology Tech II Jonathan Thomas. Attending virtually were Consultant Geoff Bowman from Van Scoyoc Associates, Consultant Dennis Albani and Annalee Akin Augustine from California Advocates, and members of the public were present. A copy of the Agenda is attached.

**Item 2: Public Comment** – There was no public comment.

**Item 3: Discussion of the 2024 Legislative Platform and Advocacy Process** – After review and discussion, the Committee recommended through consensus to move this item forward for consideration and approval by the Board of Directors and put it on the Consent Calendar. This item will be presented in a separate report going to the December 5, 2023 regular Board meeting.

**Item 4: Review of the POL Committee Scheduling and Planning Calendar** – After review and discussion, the Committee concluded that the current meeting format and calendar of the POL Committee did not require modification.

**Item 5: Communications Manager Activities** – Kevin Strauss provided an update on the Fall Water Academy and upcoming activities that the staff will be participating before the year ends.

**Item 6: Committee Planning Calendar** – Staff and Committee reviewed the Planning Calendar.

**Item 7: Committee Requests for Future Agenda Items** – Director Braunstein requested a discussion of the Agency's sponsorship policy at the next Committee meeting.

**Item 8: Adjournment** – The meeting adjourned at 7:26 PM.

The meeting recording is available on the SCV Water Agency website or by clicking the following link: [POL Committee Meeting – Nov 16, 2023](#).

Attachment

MBS

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**Date:** November 9, 2023

**To:** **Public Outreach and Legislation Committee**  
Maria Gutzeit, Chair  
Kathye Armitage  
Beth Braunstein  
Ed Colley

**From:** Steve Cole, Assistant General Manager *SC*

The **Public Outreach and Legislation Committee** meeting is on **Thursday, November 16, 2023 at 5:30 PM at 26521 Summit Circle, Santa Clarita, CA 91350 in the Engineering Services Section (ESS) Boardroom.** Members of the public may attend in person or virtually. To attend this meeting virtually, please see below.

### **IMPORTANT NOTICES**

This meeting will be conducted in person at the addresses listed above. As a convenience to the public, members of the public may also participate virtually by using the **Agency's Call-In Number 1-833-568-8864, Webinar ID: 160 166 5112 or Zoom Webinar by clicking on the [scvwa.zoomgov.com/j/1601665112](https://scvwa.zoomgov.com/j/1601665112)**. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom Webinar link above. However, in the event there is a disruption of service which prevents the Agency from broadcasting the meeting to members of the public using either the call-in option or internet-based service, this meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is being provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in person.

Attendees should be aware that while the Agency is following all applicable requirements and guidelines regarding COVID-19, the Agency cannot ensure the health of anyone attending a Committee meeting. Attendees should therefore use their own judgment with respect to protecting themselves from exposure to COVID-19.

Members of the public unable to attend this meeting may submit comments either in writing to [ekang@scvwa.org](mailto:ekang@scvwa.org) or by mail to Eunie Kang, Executive Assistant, Santa Clarita Valley Water Agency, 26501 Summit Circle, Santa Clarita, CA 91350. All written comments received before 4:00 PM the day of the meeting will be distributed to the Committee members and posted on the Santa Clarita Valley Water Agency website prior to the start of the meeting. Anything received after 4:00 PM the day of the meeting, will be made available at the meeting, if practicable, and will be posted on the SCV Water website the following day. All correspondence with comments, including letters or emails, will be posted in their entirety.

## MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	<b><u>PLEDGE OF ALLEGIANCE</u></b>	
2.	<b><u>PUBLIC COMMENTS</u></b> – Members of the public may comment as to items within the subject matter jurisdiction of the Agency that are not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so at the time each item is considered. (Comments may, at the discretion of the Committee Chair, be limited to three minutes for each speaker.) To participate in public comment from your computer, tablet, or Smartphone, click the “raise hand” feature in Zoom. You will be notified when it is your turn to speak, please unmute when requested. To participate in public comment via phone, dial *9 to raise your hand. When it is your turn to speak, dial *6 to unmute.	
3. *	Discussion of the 2024 Legislative Platform and Advocacy Process	1
4. *	Review of the Public Outreach and Legislation (POL) Committee Scheduling and Calendar Planning	11
5. *	Communications Manager’s Report	17
6. *	Committee Planning Calendar	63
7.	Committee Requests for Future Agenda Items	
8.	Adjournment	
*	Indicates Attachment	
◆	Indicates Handout	

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Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at [yourSCVwater.com](http://yourSCVwater.com).

Posted on November 9, 2023.

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## BOARD MEMORANDUM

**DATE:** November 21, 2023

**TO:** Board of Directors *RP*

**FROM:** Rochelle Patterson  
Chief Financial and Administrative Officer

**SUBJECT:** November 20, 2023 Finance and Administration Committee Meeting Recap Report

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The Finance and Administration (F&A) Committee met at 5:30 PM on Monday, November 20, 2023, in the Board Room of the Rio Vista Water Treatment Plant. In attendance were Chair Ken Petersen and Directors Kathye Armitage and Ed Colley. Staff members in attendance included: Controller Amy Aguer, Senior Financial Analyst Darine Conner, Management Analyst II Erika Dill, Buyer Katie Fowler, Administrative Services Manager Kim Grass, Administrative Technician Paul Hoover, Human Resources Ari Mantis, Director of Tech Service Cris Pérez, Fleet & Warehouse Supervisor Jesus Martinez Ramirez, General Manager Matt Stone, IT Technician I Oliver Molina, Customer Service Manager Kathleen Willson and myself. Additional SCV Water staff and members of the public were present. A copy of the Agenda is attached.

**Item 1: Pledge of Allegiance**

**Item 2: Public Comment** – There was public comment.

**Item 3: Recommend Approval of an HCM Implementation Contract with Apps Associates** – Staff presented this item and discussed it with the Committee. This item will be brought back to the F&A Committee at a future date.

**Item 4: Recommend Approval of a Purchase Order for Fleet Replacement Vehicles** – Staff presented this item and discussed it with the Committee, who agreed to place it as an action item at the December 5, 2023 regular Board meeting.

**Item 5: Recommend Approval of a Contract Renewal with Systems & Software, Inc. for enQuesta Customer Service System Maintenance and Support** – Staff presented this item to the Committee, and after some discussion, agreed to have it placed as an action item at the December 5, 2023 regular Board meeting.

**Item 6: Recommend Approval of a Revised Driving and Vehicle Policy** – Staff presented this item and the Committee unanimously agreed to place this item on the Consent Calendar for the December 5, 2023 regular Board meeting.

**Item 7: Recommend Approval of a Revised Employee Manual Section No. 10 – Overtime** – Staff presented this item and discussed it with the Committee, who agreed that with certain revisions (comp time options for exempt employees be struck, and the

provision to roll over 20 hours to the next year was added), the item be placed on the Consent Calendar for the December 5, 2023 regular Board meeting.

**Item 8: Recommend Receiving and Filing of August 2023 Monthly Financial Report** – Staff briefly presented this item and the Committee unanimously agreed to have it placed on the Consent Calendar for the December 5, 2023 regular Board meeting.

**Item 9: Recommend Receiving and Filing of September 2023 Monthly and FY 2023/24 First Quarter Financial Report** – Staff presented this item to the Committee, which will be presented as an action item at the December 5, 2023 regular Board meeting.

**Item 10: Committee Planning Calendar** – Staff briefly mentioned the upcoming items for the next few F&A Committee meetings.

**Item 11: Requests for Future Agenda Items** – No requests at this time.

**Item 12: General Report on Finance and Administration Activities** – Staff reported that the enrollment in the Ratepayer Assistance Program is currently up to approximately 450 applications, and that several Employee Manual policy revisions will be brought to Committee in the next few months due to new laws taking effect January 2024.

**Item 13: Adjournment** – The meeting was adjourned at 7:40 PM.

The meeting recording is available on the SCV Water Website or by clicking the following link: [Finance and Administration Committee Meeting Recording](#).

RP

Attachment

M65





**Date:** November 13, 2023

**To:** **Finance and Administration Committee**  
Ken Petersen, Chair  
Kathye Armitage  
Ed Colley  
Maria Gutzeit

**From:** Rochelle Patterson  
Chief Financial and Administrative Officer

The **Finance and Administration Committee** is scheduled for **Monday, November 20, 2023** at **5:30 PM** at **27234 Bouquet Canyon Road, Santa Clarita, CA 91350** in the **Board Room and the teleconference site listed below**. Members of the public may attend in person or virtually. To attend this meeting virtually, please see below.

**IMPORTANT NOTICES**

This meeting will be conducted in person at the address listed above. As a convenience to the public, members of the public may also participate virtually by using the **Agency's Call-In Number 1-(833)-568-8864, Webinar ID: 160 576 5271 or Zoom Webinar by clicking on the link <https://scvwa.zoomgov.com/j/1605765271>**. Any member of the public may listen to the meeting or make comments to the Committee using the call-in number or Zoom Webinar link above. However, in the event there is a disruption of service which prevents the Agency from broadcasting the meeting to members of the public using either the call-in option or internet-based service, this meeting will not be postponed or rescheduled but will continue without remote participation. The remote participation option is being provided as a convenience to the public and is not required. Members of the public are welcome to attend the meeting in person.

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## MEETING AGENDA

1. **PLEDGE OF ALLEGIANCE**
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7. * Recommend Approval of a Revised Employee Manual Section No. 10 – Overtime	83
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August 2023 Check Registers Link: <a href="https://yourscvwater.com/sites/default/files/SCVWA/departments/finance/check-registers/Check-Register-August-2023.pdf">https://yourscvwater.com/sites/default/files/SCVWA/departments/finance/check-registers/Check-Register-August-2023.pdf</a>	
9. * Recommend Receiving and Filing of September 2023 Monthly and FY 2023/24 First Quarter Financial Report	131
September 2023 Check Registers Link: <a href="https://yourscvwater.com/sites/default/files/SCVWA/departments/finance/check-registers/Check-Register-September-2023.pdf">https://yourscvwater.com/sites/default/files/SCVWA/departments/finance/check-registers/Check-Register-September-2023.pdf</a>	
10. * Committee Planning Calendar	223
11. Requests for Future Agenda Items	
12. General Report on Finance and Administration Activities	

13. Adjournment

\* Indicates attachments

● To be distributed

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Posted on November 14, 2023.

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## BOARD MEMORANDUM

**DATE:** November 20, 2023  
**TO:** Board of Directors  
**FROM:** Courtney Mael *CM*  
 Chief Engineer  
**SUBJECT:** Engineering Services Section Report

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### CAPITAL IMPROVEMENT PROJECTS (CIP) CONSTRUCTION

Project	Contractor	Contract Amount	Scheduled Completion	Notes
Vista Canyon Recycled Water Tank (Phase 2B)	Pacific Tank and Construction, Inc.	\$4,213,175	9/29/2023	Project is complete and the Notice of Completion is in progress. Tank is filled and in operation.
Vista Canyon Recycled Water Main Extension (Phase 2B)	Ferreira Construction Co., Inc.	\$2,752,982	10/31/2023	Project substantially complete and pipelines are in operation. Project closeout in progress.
Bridgeport Pocket Park	C.S. Legacy Construction, Inc.	\$373,148	11/31/2023	Construction is complete. Project closeout is in progress.
Magic Mountain Pipeline Phase 4	FivePoint/Toro Enterprises	\$3,297,014	2/29/2024	Construction is 98% complete.
Magic Mountain Pipeline Phase 5	FivePoint/Toro Enterprises	\$3,269,979	2/29/2024	Construction is 96% complete.
Magic Mountain Pipeline Phase 6A	FivePoint/Toro Enterprises	\$7,168,845	2/29/2024	Construction is 92% complete.
Magic Mountain Pipeline Phase 6B	FivePoint/Leatherwood Construction	\$4,568,687	2/29/2024	Construction is 99% complete.

<b>Project</b>	<b>Contractor</b>	<b>Contract Amount</b>	<b>Scheduled Completion</b>	<b>Notes</b>
Santa Clara & Honby Wells PFAS Groundwater Treatment Improvements Material Purchase	Aqueous Vets	\$814,050	3/31/2024	Materials have been delivered to the site.
Santa Clara & Honby Wells - Site Construction	Pacific Hydrotech Corporation	\$8,546,542	3/31/2024	Construction is 77% complete.
ESFP Washwater Return Improvements	Pacific Hydrotech Corporation	\$18,518,498	4/29/2024	Construction is 83% complete.
Saugus #3 & #4 Wells Construction (Replacement Wells)	Zim Industries, Inc.	\$12,751,494	4/30/2024	Construction is 45% complete.
Dickason Drive Water Line Improvements	J. Vega Engineering, Inc.	\$1,909,511	5/1/2024	Construction is 30% complete.
Pitchess Pipeline Modifications	LA County Metropolitan Transportation Authority	\$159,000	6/30/2024	Potholing of the pipeline was conducted on June 5, 2023. Pipeline construction work is scheduled to occur in January 2024.
Deane Pump Station at Sand Canyon Plaza	Pacific Hydrotech Corporation	\$1,969,954 (SCV Water Fair Share)	7/1/2024	Construction to start in November 2023.
Deane Tank (concrete) at Nimbus Way	Pacific Hydrotech Corporation	\$3,127,269 (SCV Water Fair Share)	7/23/2024	Concrete foundation and walls were installed. Contractor is installing rebar for roof.
RVWTP UST Replacement	Fleming Environmental, Inc	\$1,388,771	7/23/2024	Construction submittals are in progress.
Deane Pump Station at Skyline Ranch Road	Pacific Hydrotech Corporation	\$385,837 (SCV Water Fair Share)	11/26/2024	Contractor has mobilized and started site grading and setting up temporary water for construction.
Well 201 VOC Treatment Improvements	Pacific Hydrotech Corporation	\$7,726,700	2/1/2025	Construction is 22% complete.

## CAPITAL IMPROVEMENT PROJECTS (CIP) PLANNING AND DESIGN

1. Backcountry (fka Magic Mountain) Pump Station – The Board of Directors adopted the Addendum to the Mission Village EIR and the Mitigation Monitoring and Reporting Program, approved the Backcountry Pump Station project, and authorized final design services on March 7, 2023. Design is in progress. Additional California Environmental Quality Act (CEQA) analysis is being performed to allow flexibility in design. NEPA analysis in progress. Constructability review is in progress.
2. Backcountry (fka Magic Mountain) Reservoir – The Board of Directors adopted the Addendum to the Mission Village EIR and the Mitigation Monitoring and Reporting Program, approved the Backcountry Reservoir project, and authorized final design services on March 7, 2023. Design is in progress.
3. Castaic Conduit Bypass Pipeline – Design is 90% complete. Permits are being secured for the project.
4. Catala Pump Station and Pipelines – Planning is in progress.
5. Deane Tank @ Sand Canyon Plaza (CIP is SCV Water Fair Share) – Agency reviewed 100% plans for new 1.57 MG prestressed concrete tank and site improvements. Contractor bids were received.
6. Foothill Feeder Service Connection CLWA-01/01T Pipe Repair – Metropolitan Water District of Southern California (MWDSC) is performing the planning and design of the pipe repair improvements. Staff met with MWDSC staff on May 4, 2023, at the site to review site conditions.
7. Honby Parallel Pipeline Phase 2 – The Board of Directors adopted the Addendum to the EIR on June 1, 2021. Design is in progress and staff is securing permits from the California Department of Fish and Wildlife and the Los Angeles Regional Water Quality Control Board.
8. Honby Tank Pipeline Bottleneck – Planning is complete. The CEQA Initial Study was published for public review in September 2023.
9. Master Plan – Planning is in progress.
10. Newhall Wells (N11, N12, N13) Groundwater Treatment Improvements – Planning is complete. CEQA and National Environmental Policy Act (NEPA) evaluation is in progress.
11. PFAS Groundwater Treatment Improvements: Clark Well – Planning is in progress.
12. PFAS Groundwater Treatment Improvements: E Wells (E-14, E-15, E-16, and E-17) – Planning is complete. CEQA and NEPA evaluation is in progress.
13. PFAS Groundwater Treatment Improvements: Lost Canyon 2, Lost Canyon 2A, and Sand Canyon 2, and Mitchell 5B Wells – Planning is in progress.

14. PFAS Groundwater Treatment Improvements: North Oaks Central, North Oaks East, and Sierra Wells – Planning is in progress.
15. PFAS Groundwater Treatment Improvements: Wells 206 and 207 – Staff presented the planning services authorization recommendation at the November 2, 2023 Engineering and Operations Committee meeting and it is scheduled for the November 21, 2023 Board meeting.
16. PFAS Groundwater Treatment Improvements: Well D – Planning is in progress.
17. PFAS Groundwater Treatment Improvements: Wells W9 and W10 – Planning is in progress.
18. Pipeline Inspection: Castaic Conduit Pipeline Reaches 3 & 4 – Planning is in progress.
19. Pipeline Inspection: MMP Inspection Access Modifications – CEQA/NEPA evaluation is in progress.
20. Pipeline Replacement: Abdale St, Maplebay Ct, & Beachgrove Ct Pipelines – CEQA/NEPA evaluation is in progress.
21. Pipeline Replacement: McBean Parkway – 100% submittal in mid-October.
22. Pipeline Replacement: MM Pkwy & The Old Rd Recycled Water Relocation – Planning is in progress.
23. Pipeline Replacement: Newhall Ranch Road (West of Avenue Tibbitts) – Planning is in progress.
24. Pipeline Replacement: RVWTP Sewer line – CEQA/NEPA evaluation is in progress.
25. Pipeline Replacement: Sand Canyon Sewer Line – CEQA/NEPA evaluation is in progress.
26. Pipeline Replacement: Smyth Drive Pipeline – Final design is in progress.
27. Pipeline Replacement: Valencia Marketplace Pipeline – Final design is in progress.
28. Recycled Water Central Park (Phase 2A) – The project’s Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP) was adopted by the CLWA Board of Directors on December 13, 2017. Design is on-hold pending resolution of recycled water permitting and regulatory issues.
29. Recycled Water Fill Station – Planning and land acquisition are in progress.
30. Recycled Water South End (Phase 2C) – Newhall County Water District, as the CEQA Lead Agency, certified the recirculated MND on August 10, 2017. The project MND/IS was adopted by the CLWA Board of Directors on August 23, 2017. Grant application for Proposition 1 Grant was submitted the week of December 2, 2019. The Board of Directors adopted the Addendum to the MND on June 1, 2021, and authorized



additional design services on August 3, 2021. NEPA evaluation is complete. Final design is in progress.

31. Replacement Wells (Saugus Wells 3 and 4: Site and Equipment Design) – Final design is in progress.
32. RVWTP Turbidity Improvements – Planning is in progress.
33. S Wells PFAS Groundwater Treatment and Disinfection Facility – Project Final MND was adopted by the Board of Directors on July 18, 2023. Final design services were awarded to Hazen and Sawyer, Inc. Topographic survey and Geotech investigation are underway. Agency awarded \$5 million in grant funding from the Bureau of Reclamation. Staff is preparing several applications for additional potential grant funding opportunities.
34. Sand Canyon Reservoir Expansion – Planning is in progress. Staff is reviewing the planning consultant's draft technical memo on the proposed alternative reservoir layouts.
35. Sierra Highway Bridge Expansion Water Pipelines Protection – Final design is in progress. The agreement with the City of Santa Clarita to advertise and construct the SCV Water Pipelines Protection and Installation work has been executed.
36. T7, U4, and U6 Wells PFAS Groundwater Treatment Improvements, New RVIPS Disinfection Facility, and Saugus 1 and 2 VOC Improvements – 100% plans have been received and are in review by Agency. Staff is preparing several applications for potential grant funding opportunities.
37. Well 205 Perchlorate Treatment Improvements – Final design and land acquisition are in progress.

**DEVELOPMENT PROJECTS – DESIGN, CONSTRUCTION, AND INSPECTION**

<b>Project Developer</b>	<b>Development Size</b>	<b>Infrastructure (Estimated at Build-out)</b>	<b>Schedule</b>	<b>Status</b>
Aidlin Hills (Tract 52796) Lennar	102 Dwelling Units	2 tanks, 1 pump station, ±7,670' of potable pipelines, and 9 public fire hydrants.	TBD	Water pipeline plans have been approved. 90% Tank and Booster Station plans are in review. 30% Disinfection Building Plans are in review.
College of the Canyons (COC)	New Parking Structure for Valencia Campus	Relocation of 16" water line (approximately 1,015').	Construction is complete and pipeline is in operation.	Project closeout in progress.
Dockweiler	93 Single Family Units	1,400' of offsite pipeline, 3,600 feet of onsite pipeline.	Construction is complete.	Closeout and Notice of Completion are in process.
Landmark Village (Tract 53108) FivePoint	1444 Dwelling Units	3.5 miles of piping, pressure reducing station, 2MG Zone IA Tank, and 2 Hwy 126 crossings.	TBD	Design is on hold.

Project Developer	Development Size	Infrastructure (Estimated at Build-out)	Schedule	Status
Mission Village (FivePoint)	4055 Dwelling Units	11.5 miles of new pipeline, 1 pressure reducing station (Telemark (formerly Petersen), 2 booster stations (Telemark (formerly Petersen) potable & recycled). 1 booster station upgrade (Magic Mtn.), and 3 tanks (Telemark (formerly Petersen) potable & recycled tanks and Magic Mtn. Tank No. 2 potable).	Telemark (formerly Petersen) Tanks and Booster Stations design to be complete by January 2024.	<p>Design: To date, a total of 52 potable/recycled distribution pipeline designs have been approved for construction. Telemark (formerly Petersen) potable and recycled water booster stations are 100% complete. Telemark Tanks at 90% complete. Phase 3B and 2B-1 water distribution pipeline plan sets are under review.</p> <p>Construction: Phases 1A, 1B, 1C, 1D, and in-tract potable water pipelines are completed, and recycled water pipelines are 90% complete. Well 206/207 pipe relocation project is 75% complete. Magic Mountain Booster Station Upgrades is complete. Retaining wall at Magic Mountain Tank No. 2 site is 80% complete. Notices of Completion are being executed for projects.</p>
Needham Ranch Trammell Crow Co.	2,550,000 Square Feet Industrial and Commercial	4 miles of pipelines, 1 pump station, 2 tanks, 1 disinfection building, and 2 pressure reducing stations.	Phase 1 construction is substantially complete. Phase 2 Construction is substantially complete. Tank 7 and 7A is complete. Disinfection Building and Pump Station upgrades to be complete by January 2024.	<p>Construction: Tank 7A is complete. Pine Street Pipeline is complete.</p> <p>Design: Pump station modification plans and chemical building plans are approved. Chemical building is under construction (30% complete).</p>

Project Developer	Development Size	Infrastructure (Estimated at Build-out)	Schedule	Status
Saddle Peak Canyon (Tick Canyon)	548 single family units	2 tanks, 1 pump station, 6.3 miles of pipeline.	TBD	30% pipeline, tank and pump station plans have been reviewed by Agency.
Sand Canyon Plaza	129 Single Family Units, 451 Multi-Family Units, 140 Bed Senior Living, Commercial	1 pump station, 1,700' of offsite pipeline, and 8,500' of onsite pipeline.	Developer has commenced mass grading at the site. Offsite Pipeline and New Sand Canyon Plaza Pump Station to start construction in August 2023.	Offsite pipeline and pump station is under construction. Final In-Tract plans approved and signed.
Sheriff Station City of Santa Clarita	44,300 Square Feet	1 mile of pipeline.	Construction of main pipeline is complete with bypass crossing over LADWP aqueduct.	Staff are working with City to relocate the pipeline crossing under the bike path as a semi-permanent alignment in lieu of crossing under the LADWP pipeline. Construction of relocation is planned for winter 2023 using Agency staff.
Spring Canyon (Tract 48086)	492 Dwelling Units	1 tank, 1 pump station, and 1 pressure reducing valve, Mammoth Lane upgrades and lift station upgrades.	Mammoth Lane upgrades must be complete prior to commencement of development.	Design plans for in-tract pipelines, tanks and pump station were approved and issued in July 2020. Staff is working with developer and consultant to address County standards for sewer lift station upgrades in order to transfer ownership to the City of Santa Clarita. Review and comments provided on 1 <sup>st</sup> draft Memorandum of Understanding (MOU) between Agency and the City for transfer of sewer lift station facility.

Project Developer	Development Size	Infrastructure (Estimated at Build-out)	Schedule	Status
Skyline Ranch TriPointe (Tract 60922)	1220 Dwelling Units	17 miles of pipelines, 3 pump stations, and 4 tanks.	Phase 1 pipelines, pump station and tanks are online. Phase 2 Deane pump station and Nimbus/Deane tank are in construction for completion by summer 2024. Phase 3 Skyline Pump Station and Disinfection to be constructed by fall 2024.	Consultant is preparing 90% plans for disinfection facility and draft final plans for the Skyline Pump Station at the Nimbus Deane Tank site to address Agency comments.
Tesoro Highlands	696 Single Family Units, 9 Multi-Family Units, 2 acres of Commercial	2 tanks, 1 pump station, and 64,000' of pipeline.	Phase 1 and Phase 2 Pipeline substantially complete. Tesoro 3 Tanks to be completed by August 2023. Zone 3 pump station to be completed by February 2024.	Tanks 3/3A are under construction (90% complete). Phase 3-7 water pipelines are under construction (90% complete). Pump station construction in progress (80% complete). Phase 8 and 14B plans are approved.
Vista Canyon (Tract 69164) JSB Development	1100 Dwelling Units	5 miles of potable and recycled pipelines.	Construction of Phase 1 Potable and Recycled Water Systems are complete. Construction of Phase 2 systems are complete except final tie-ins.	Developer to submit schedule to construct final tie-ins for potable system. Staff is finalizing purchase agreement with City for recycled water supply. Service of recycled water is pending the City's water factory operations being within permit specifications.

## RIGHT OF WAY – CELL SITES

1. Bouquet Tank Site – T-Mobile has constructed fences around sector antennas. Carrier is also working on plans to install an emergency generator at this location. Agency has received deposit of \$10,000 and is waiting on reviewed plans to be updated by T-Mobile.
2. Commerce Center Tank Site – AT&T has identified this location as a potential new cell site. Agency has received deposit of \$10,000 and is reviewing plans.
3. Dockweiler (Newhall) Tank 2 Site – Agency is waiting on T-Mobile carrier plans to relocate decommissioned Sprint equipment off the tank due to T-Mobile's acquisition of Sprint. Agency is waiting on carrier plans from AT&T and Verizon to install emergency generators.
4. Keaton (Honby) Tank Site – T-Mobile has identified this existing site for upgrades. Agency is working with carrier on deposit letter and review of plans. DISH wireless has identified this location as a potential new cell site. Agency has received deposit of \$10,000 and is reviewing plans.
5. Live Oaks Tank Site – AT&T has identified this location as a potential new cell site. Agency has received deposit of \$10,000 and is reviewing plans.
6. Mountain Pass (Princess) Tank Site – Verizon has identified this site for emergency generator installation. Agency is working with carrier on a deposit letter.
7. Pamplico (Catala) Tank Site – DISH Wireless has identified this location as a potential new cell site. Agency has received deposit of \$10,000 and is reviewing plans. AT&T has also identified this location as a potential new site. Agency is working with carrier on deposit letter. T-Mobile has identified this existing site for upgrades. Agency has received deposit of \$10,000 and is reviewing plans.
8. Ridge Route (Castaic) Tank 1A – Verizon has started construction of new wireless facility.
9. Whites Canyon (Skyblue) Tank Site – Verizon has requested an access agreement for this site to resolve access issues. Agency is working with the carrier on a draft license agreement. DISH wireless has identified this location as a potential new site. Agency is working with carrier.

## CAPITAL IMPROVEMENT PROJECTS (CIP) MISCELLANEOUS

- Fire Flow Tests – In October 2023, staff processed 1 fire flow request.

## FACILITY CAPACITY FEES (FCFs) AND CONNECTION FEES

<b>Month</b>	<b>Regional</b>	<b>Distribution</b>	<b>Total</b>
July 2023	\$367,333	\$8,870	\$376,203
August 2023	\$588,778	\$62,844	\$651,622
September 2023	\$1,186,791	\$24,243	\$1,211,034
October 2023	\$123,565	\$21,288	\$144,853
<b>FY 2023/24 to Date</b>	<b>\$2,266,467</b>	<b>\$117,245</b>	<b>\$2,383,712</b>
<b>FY 2023/24 Budget</b>	<b>\$1,886,000</b>	<b>\$368,000</b>	<b>\$2,254,000</b>

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## BOARD MEMORANDUM

**DATE:** November 20, 2023  
**TO:** Board of Directors  
**FROM:** Rochelle Patterson *RP*  
Chief Financial and Administrative Officer  
**SUBJECT:** Finance, Administration, and Information Technology Services Section Report

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### FINANCE & ADMINISTRATION (F&A)

#### Key Accomplishments/Activities:

Staff received approval of revised key Agency financial and administrative policies, including the Investment Policy and Customer Service Policy.

Staff completed the quarterly financial reporting through September 30, 2023 and presented to the Finance and Administration Committee in November 2023.

Staff presented at the Agency's Fall Water Academy. Focus was on the budget process, forecasting and rates. An addition to the presentation was information on the value of water.

#### Significant Upcoming Items:

Staff will be completing the Fiscal Year 2022/23 Annual Comprehensive Finance Report (ACFR) with Lance, Soll & Lunghard, LLP (LSL), the Agency's outside CPA firm. LSL will deliver a presentation of this report at the December 11, 2023, Finance and Administration Committee Meeting and staff will present the report at the December 19, 2023 regular Board meeting.

Staff continue to support the Engineering Department and consultants as they prepare the WIFIA (Water Infrastructure Finance and Innovation Act) loan application. Currently, projects are being identified as eligible or not eligible for WIFIA funding. WIFIA has specific bidding and compliance requirements which determine eligibility.

Staff and consultants continue working on updating financial scenarios by updating the Agency's retail rate model to project future operating revenues, non-operating revenues, operating expenses, existing debt service as well as proposed debt service, level of reserve funds, and funds remaining that are used to fund the Agency CIP pay-go program for the next 10 years.

Staff are working on preparing the Agency's first Popular Annual Financial Report (PAFR) for FY 2022/23, which will be presented to the Government Finance Officers Association (GFOA) for award consideration. This report is a companion piece to the Annual Comprehensive Financial Report (ACFR). The purpose of the PAFR is to present financial information in a more reader-friendly and accessible format compared to the more complex and detailed ACFR. The PAFR highlights key financial activities using graphs, charts, and narratives that make it easier for ratepayers and stakeholders to understand. The PAFR will be made available on our

website, including printed copies, and will become part the Agency's annual reports that are available to the general public.

Staff is finalizing the P-Card agreement with CalCards, expecting to be fully transitioned by end of January 2024. Switching to CalCards would streamline the Agency's P-card processes and enhance the overall efficiency of the Agency's financial transactions. It would also recognize a significant increase in rebates, estimating \$18,000 per spend of \$1 million a year, versus the current program with Wells Fargo rebate of \$2,000 per \$1 million a year.

Staff is working with the HR department to revise several Employee Manual Policies, which will be presented to the F&A Committee over the next few months. Staff will also present a revised Driving and Vehicle Policy at the November 20, 2023 regular F&A Committee meeting.

Ongoing: Staff, following Grant Management Policy and Procedures, continue to receive training on processes and workflows to ensure the Agency will comply with federal single audit requirements. The Agency has successfully obtained significant federal grant funding. Therefore, single audits will be required as part of the Agency's annual, external financial audits for the foreseeable future.

Ongoing: Staff continue to work with Engineering, Operations and Water Resources to refine the Project Financial Management module.

Ongoing: Staff continue to review and approve Certificates of Insurance (COIs), ensuring that insurance limits conform with the Agency's insurance requirements.

Ongoing: Staff continue to assist with training in Oracle's procurement module with applications such as requisitions, purchase orders and contract agreements.

## **CUSTOMER SERVICE**

### **Key Accomplishments/Activities:**

Staff continue to work with Smartworks and Systems & Software (S&S) on the Smartworks Meter Date Management System (MDMS) implementation. Phase I of training is complete. Staff will test through 2023.

An informational postcard was mailed to all customers that will receive an AMI (Advanced Meter Infrastructure) meter changeout as part of Phase III of the Project. The postcard contains information on AMI technology and its benefits, and lists resources for additional information.

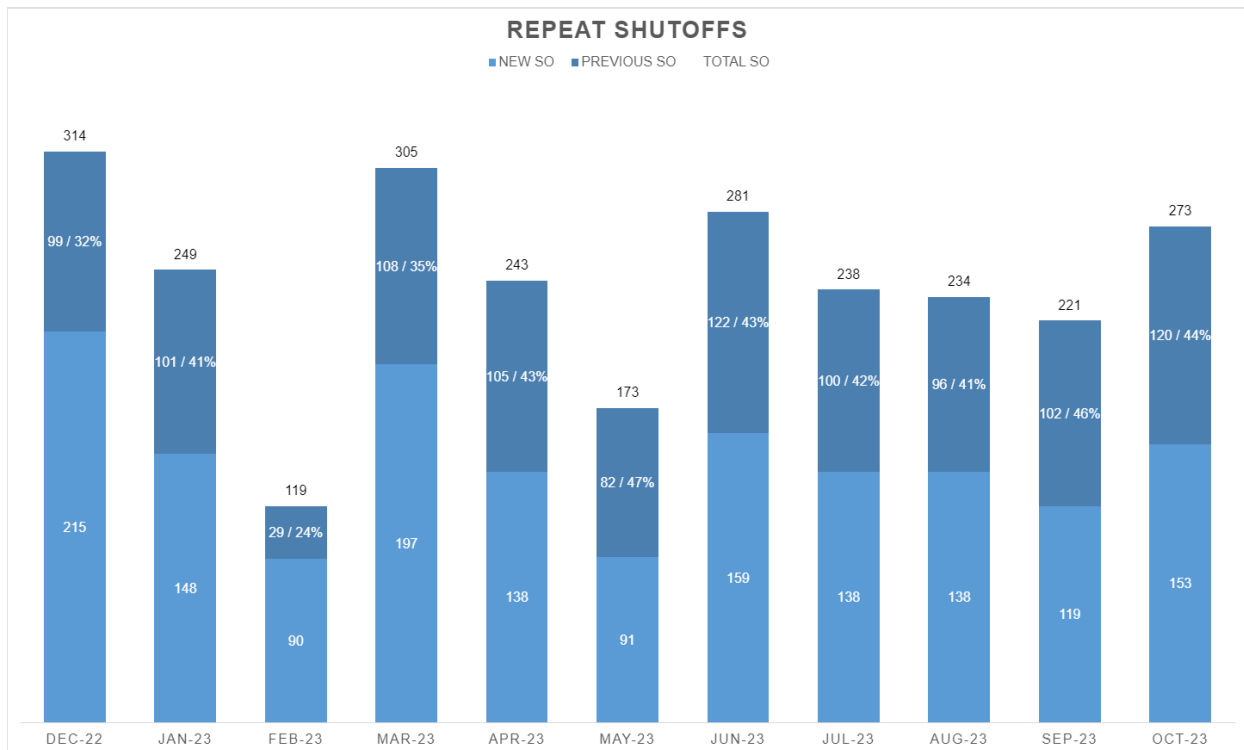
The Temporary Construction Meter Services process was successfully transitioned to the Customer Care Department in October 2023, and the new, approved deposit and fee schedule has been implemented.

Staff presented at the Agency's Fall Water Academy. Focus was on the Ratepayer Assistance Program (RAP), AMI meter changeouts and the implementation of the Smartworks MDMS and its benefits.

Staff participated in a three-day Process and System Review with S&S and SmartWorks. These on-site sessions included a review of data requirements, meter configuration profiles, mapping documents, billing integration and processes, dashboards and a data analysis review.

Staff continue to work with customers to avoid disconnection for nonpayment, and if unable to pay, resolve their overdue balances through amortization agreements. Before shutoff, at least two courtesy reminder calls are broadcast to customers subject to disconnection for nonpayment. There were 3,010 accounts subject to disconnection in October 2023. Of those, 968 remained overdue within one week of their scheduled shutoff date and subsequently received one or more courtesy reminder calls. Two hundred and seventy-three (273) accounts remained unresolved by their scheduled shutoff date and were disconnected for nonpayment.

### REPEAT SHUTOFFS



Staff continue to work with the Communications department to market the Agency’s Ratepayer Assistance Program. As of the date this report was prepared, there were 457 active participants.

Staff continue to work with Systems and Software (S&S) to further refine workflows related to the new enQuesta v.6 platform, online customer portal and mobile work order solution.

Staff continue to coordinate with Field Services on the AMI Meter Changeout Program and the communication infrastructure expansion.

Staff continue to work with Operations, Tech Services and Communications on the new lead and copper reporting requirements.

#### Significant Upcoming Items:

Staff is scheduled to attend the Harris Computer Training Conference (HCTC) in early December 2023. Training focuses on the enQuesta Customer Information System (CIS) and the Smartworks MDMS.

Staff is working with the Agency's third-party payment provider, Invoice Cloud, to rebrand select how-to videos to include on the landing page of the online customer portal. Subjects include "How to Enroll in AutoPay," "How to Update your AutoPay Payment Method" and "How to Register for Pay-by-Text."

Staff is working with the IT department to configure an additional queue in the Customer Call Center that will be dedicated to Spanish-only callers.

## **HUMAN RESOURCES (HR)**

### **Key Accomplishments/Activities:**

Staff are recruiting for (1) Administrative Technician (Assistant to the Board Secretary), (1) Financial Analyst, (1) Treatment Plant Operator I, (2) Utility Operations Technician I, (1) Utility Supervisor, (1) Water Systems Supervisor, (1) Engineering Intern, (1) GIS Intern, and (1) Safety Department Intern.

Staff are onboarding (1) Water Education Instructor.

Staff completed recruitment for (1) Principal Engineer (Out-of-Class), (1) Purchasing and Warehouse Technician II (Limited Duration), (1) Water Conservation Specialist I (Limited Duration) and (2) Water System Technician I.

Staff are currently managing seven (7) Leaves of Absence (LOA) cases and administering the FMLA and State Disability Insurance (SDI) program benefits to employees on leave.

Staff continues to attend and support the bi-monthly Safety Committee meetings.

Staff distributed the annual Healthcare and Dependent care Flexible Spending Account (FSA) open enrollment communications. IGOE will remain as the Agency's vendor for the 2024 plan year. The IRS increased the annual healthcare FSA maximum contribution from \$2,750.00 to \$3,200.00 for the 2024 plan year. The Dependent Care FSA maximum contribution remains at \$5,000.00 for the 2024 plan year.

Staff attended the Santa Clarita Valley Mayor's Committee Annual Business Appreciation and Luncheon on October 17, 2023. The theme was *Celebrating National Disability Employment Awareness Month* and MCed by Mayor Jason Gibbs.

Staff attended the PIHRA (Professionals in Human Resources Association) 2023 Annual Legal Update on October 24, 2023.

Staff completed a base salary survey study for the General Manager for his upcoming annual performance evaluation.

Staff continues the demos and meetings with consultants discussing possible implementation of the Oracle Human Capital Management (HCM) system to maintain all employee information, and to use for all HR related transactions.

Staff is continuing working with a consultant on the Water Resources Specialist series classification and compensation study. The job classifications for the series are completed and the compensation survey for this study has started. Staff is working on adding a new study of Network Engineer for the Technology Department. These series will not be authorized until next

fiscal year. Staff started searching comparable job classifications for the Government Affairs Analyst position to verify and recommend a compensation range.

Staff continue to inform management on a weekly basis about any Covid-19 positive cases and continue to manage and log them.

Staff is continuing working on gathering reports and information regarding the EEOC-4 compliance requirement. Staff is planning to provide and upload the data in the first few weeks of November 2023 to meet the December 5, 2023 deadline for compliance.

Staff met to discuss a plan of action to update all employee information in HCM to be ready for the upcoming budget season review.

### **Significant Upcoming Items:**

Staff is preparing for the annual End of Year/New Year benefits activities and implementation of new year plan rates and updates.

Staff plans to comply with ACA (Affordable Care Act) compliance requirements in March 2024.

Staff plans to update the Employee Manual policies and procedures to include changes in laws and regulations for 2024.

Staff plans to create Training for Prevention of Violence in the Workplace.

Staff plans to provide training on the new Internship Policy for supervisors.

Staff plans to develop a soft skills training program for employees. Examples of soft skills are leadership, teamwork, communication, problem-solving, work ethic, flexibility, and interpersonal skills.

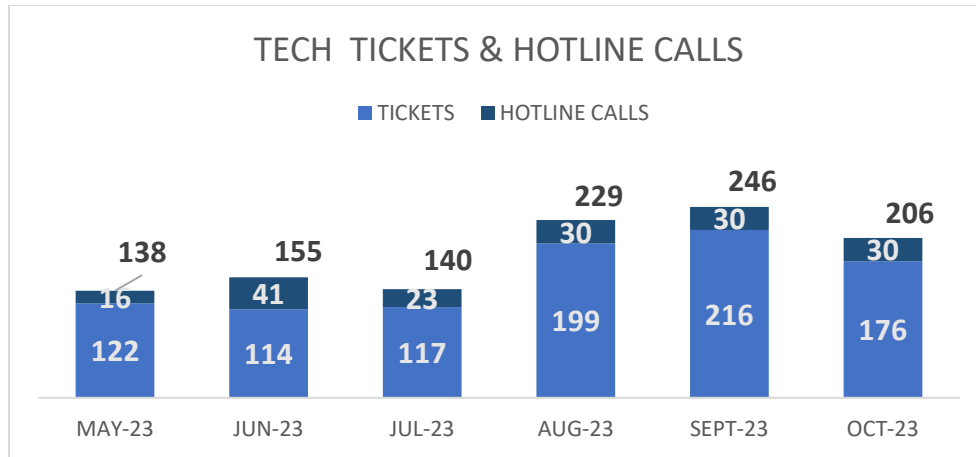
Staff plans to provide training for supervisors and for all employees regarding prevention of sexual harassment.

Staff plans to survey other agencies and create a list for management/supervisory training.

## **TECHNOLOGY SERVICES**

### **Key Accomplishments/Activities:**

Tech Services successfully serviced 176 tickets and fielded 30 hotline calls for October 2023.



Operational Technology (OT) attended a SCADA conference, focused on enterprise-level historical database accessibility.

The OT and Operations teams have successfully upgraded one of our reservoir disinfection facilities.

OT has successfully consolidated the SCADA inventory to the Rockefeller warehouse.

In October, 70% of the Agency completed cybersecurity awareness training.

The GIS team attended the annual CAD and BIM development conference.

The GIS team kicked off a data governance activity. The outcome is to develop an Agency-wide data structure policy.

#### **Significant Upcoming Items:**

Ongoing: The OT team will be consolidating and moving SCADA servers to a different platform which will lead to improved performance and security.

Ongoing: The OT team is in the process of planning and configuring SCADA data center upgrades and expansion.

Ongoing: The OT team is developing a SCADA reporting database that will be hosted on the business network.

Ongoing: The GIS team will be cross-training employees from various departments on survey GPS technology.

Ongoing: Tech Services kicked off a proof-of-concept data warehouse project. Starting with a handful of databases, the team will work to configure data flow into a cloud-hosted data warehouse that could be used for queries using analytical tools. The project involves cross-departmental collaboration.

Ongoing: Cybersecurity is deploying an increased password-complexity campaign. This will be a multi-month project as it will involve user education and implementation. The campaign involves short educational videos.

Ongoing: The GIS team will be deploying a beta version of a water systems web application and data dashboard that will be hosted within SharePoint.

Ongoing: Tech Services is supporting a project with Customer Care and their contractor to deploy and configure a new meter data management system.

Ongoing: The GIS team is working on integrating GIS with the Agency's Customer Information System (CIS) for a self-serve water consumption data extraction web application for internal Agency use and is hosted in SharePoint.

Ongoing: The IT team is in the process of moving on-premises business file servers to a cloud server environment.

Ongoing: The IT team is moving an imaging and update business server from on-premises to the cloud. This will streamline the management of remote devices.

## **FLEET AND WAREHOUSE**

### **Key Accomplishments/Activities:**

The Agency's Fleet and Warehousing Supervisor was selected by the California Air Resources Board (CARB) to serve on a Truck Regulations Implementation Group for the new fleet regulation, Advanced Clean Fleets, (ACF).

Staff completed ongoing maintenance and repairs of vehicles and equipment.

Staff completed the renumbering of all Agency vehicles and equipment.

Staff worked with Procurement to transition to a new fleet fuel card.

Staff placed the following new vehicles and equipment into service: (1) Ford F-650 Dump Truck, (1) Caterpillar 420XE Backhoe, and (1) Caterpillar 259D3 Skid Steer Loader.

Staff hosted an Operator Training Session for the new Caterpillar equipment.

### **Significant Upcoming Items:**

Staff are preparing to apply for grants for electric vehicle charging stations.

Staff are preparing Agency surplus vehicles and equipment for disposal.

## **BUILDINGS AND GROUNDS (B&G)**

### **Key Accomplishments/Activities:**

Staff completed the conference room renovation at Rockefeller. Soundproof panels, new paint, and new ceiling tiles were added.

Staff completed solar panel farm erosion control project at Rio Vista Water Treatment Plant.

Projects started late October 2023 for staff to work on upgrades to gate operators and gate structure at Rio Vista Intake Pump Station (RVIPS) and lower gate at Earl Schmidt Filtration Plant (ESFP).

**Significant Upcoming Items:**

Staff is working on lighting upgrades (LED lights) for the warehouse at Pine Street, as well as for offices and common areas at Rockefeller. Project completion is at 70%.

B&G is waiting for parts from the Safety department to assist them on this project to bring eyewash stations to compliance. This project sits at 10% completion.

Staff is gathering quotations to install new fencing in the parking area of the Rockefeller site to enhance security around the perimeter of the site. This project to start early December 2023.

RP

MBS





# BOARD MEMORANDUM

**DATE:** November 14, 2023  
**TO:** Board of Directors  
**FROM:** Keith Abercrombie *KJA*  
 Chief Operating Officer  
**SUBJECT:** Treatment, Distribution, Operations and Maintenance Section Report

The Treatment, Distribution, Operations and Maintenance Section (TDOMS) provides reliable and high-quality water through rigorous preventative maintenance programs and timely response to corrective action maintenance. Routine inspections and maintenance of each facility is part of the overarching goal of TDOMS. Below is a discussion on these activities for the month of October 2023.

### TREATMENT OPERATIONS AND MAINTENANCE

Monthly corrective and preventative maintenance work orders were completed at the following locations:

- Rio Vista Water Treatment Plant (RVWTP)
- Rio Vista Intake Pump Station (RVIPS)
- Earl Schmidt Filtration Plant (ESFP)
- Earl Schmidt Intake Pump Station (ESIPS)
- Saugus Perchlorate Treatment Facility (SPTF)
- Castaic and Pitchess Pipelines
- Recycled Water Pump Station
- Rio Vista Valve Vault No. 1
- Saugus Well 1
- Sand Canyon Reservoir
- Sand Canyon Pump Station (SCPS)

### Preventative and Corrective Maintenance Work Order Summary

Work Orders	October 2023	FYTD 2023/24
Corrective Maintenance	22	119
Preventative Maintenance	77	329
<b>Key Action Items Completed:</b>		
<ul style="list-style-type: none"> <li>- RVWTP – Replaced AC unit for Clearwell Analyzer</li> <li>- ESFP – Replaced Clarifier 9 Airwash Actuator</li> <li>- ESFP – Fixed Clarifier screens 7,8, &amp; 9</li> <li>- ESFP – Ozone Generator #1 &amp; #3 O2 Flow Meters</li> <li>- RVIPS – Pump #5 Efficiency Testing</li> </ul>		

### Work in Progress – Treatment

- SCPS – Replaced insertion Magflow Meter – Pump #4

### Completed Work

- RVWTP – Replaced AC unit for Clearwell Analyzer

- ESFP – Replaced Clarifier 9 Airwash Actuator
- ESFP – Fixed clarifier screens 7,8, & 9
- ESFP – Ozone Generator #1 & #3 O2 Flow Meters
- Valve Vault 2 – Repaired 72” Valve Actuator
- RVIPS – Pump #5 Efficiency Testing
- SCPS – Replacement of Mechanical Seal – Pump #2

**DISTRIBUTION OPERATIONS AND MAINTENANCE**

General operational and maintenance activities include:

- Valve exercising
- Fire hydrant maintenance
- Air and vacuum valve maintenance
- Blow off maintenance
- Meter reading
- Meter change-outs
- Control valve maintenance

**Work in Progress**

- SC-2 Gravity – Above ground construction complete
- Vasquez Pipeline – Researching easement. Waiting on easement documentation from ESS
- Begonias Lane – Pipeline work complete, working on RFP for surface restoration

**Completed Work**

- N7 and N8 Well Pipeline Replacement
- Hasley Hills Regulator Rebuild

**Meter Change-out Summary**

**NWD**

Meter Size	October 2023	Quantity FYTD 2023/24
3/4"		22
1"		
1 1/2"		
2"		

**SCWD**

Meter Size	October 2023	Quantity FYTD 2023/24
3/4"	47	154
1"	4	25
1 1/2"	11	14
2"		

**VWD**

Meter Size	October 2023	Quantity FYTD 2023/24
3/4"	8	19
1"	1	1
1 1/2"		
2"		2

**Distribution System Leak Summary**  
**NWD – Approx. 9,679 Service Connections**

Leak Type	October 2023	FYTD 2023/24
Service Leaks	2	2
Main Leaks		

**SCWD – Approx. 31,218 Service Connections**

Leak Type	October 2023	FYTD 2023/24
Service Leaks	8	24
Main Leaks	1	3

**VWD – Approx. 29,974 Service Connections**

Leak Type	October 2023	FYTD 2023/24
Service Leaks	6	26
Main Leaks		

**PRODUCTION OPERATIONS AND WATER SYSTEMS**

In addition to the general operation and maintenance of the production facilities, there are a variety of other projects within the Production and Water Systems.

**Work in Progress**

- Cal Arts Booster Station, B64 motor failure – Modified pump installed in August, issues still not resolved, working with vendor
- Saugus Well 2 Rehab – Approved by SCV Water Board at its regular meeting on October 17, 2023, contract awarded to Weber Water Resources; construction scheduled to start on November 27, 2023
- Wells N7 and N8 Pump & Motor Improvement – New pump, motor and VFD approved by SCV Water Board at its regular Board meeting on March 22, 2023, equipment on order. VFD specs reviewed by electricians, waiting for final specs
- Olympian (North Oaks) Water Storage Tanks 1 & 4 Tank Coating Project – Remove & replace interior lining and spot repair exterior coating, Simpson Sandblasting & Special Coatings lowest cost responsible bidder. Approved by SCV Water Board at its regular meeting September 19, 2023. Work scheduled to begin on November 8, 2023, area residents notified
- Tank mixers to be installed at the Olympian (North Oaks) tanks at completion of the Coating Project
- Villa Booster Station, Rebuild discharge manifold – Designing manifold, to be completed in house
- Newhall Well 13, Install VFD – Discussing upgrades with vendor. VFD specs reviewed by electricians, waiting for final specs
- Beldove (Copper Hill) 2 Water Storage Tank Coating Project – Remove and replace interior lining spot repair exterior coating, bids received November 2, 2023
- Rainbow Glen Booster Station Upgrade – Pump & motor upgrade for pump run #1, awaiting cost estimate

**Completed Work**

- McBean Booster Pump 78 pump and motor failure – Replacement received end of March 2023, installed in April 2023
- Castaic Disinfection Facility (CDF) upgrades – New chemical tanks, chemical pumps and electrical / SCADA upgrades – Completed, station returned to service on May 25, 2023
- Mitchell 5A Well Destruction – Pedestal/well demolished; plan approved by the County, ESS awaiting destruction completion report

- Newhall Well 12 Improvements – Rebuild pump and replace column pipe, approved by the SCV Water Board at its regular Board meeting on May 16, 2023, work completed, flushed until bacteriological samples passed. Well back online August 11, 2023
- Mitchell 5B Well Rehab – Pump/motor installed, samples returned high PFOA levels, well voluntarily removed from service June 23, 2023
- North Oaks Booster Rebuild – Repairing leak in pump can, raising discharge side – Completed August 2023

**WATER QUALITY**

**Water Quality Complaints**

**NWD**

Type of Complaint	October 2023	# of Complaints FYTD 2023/24
Hardness		
Odor	1	2
Taste		
Color		
Air	1	1
Suspended Solids		
<b>Totals</b>	<b>2</b>	<b>3</b>

**SCWD**

Type of Complaint	October 2023	# of Complaints FYTD 2023/24
Hardness		
Odor		
Taste		
Color	3	3
Air		1
Suspended Solids		
<b>Totals</b>	<b>3</b>	<b>4</b>

**VWD**

Type of Complaint	October 2023	# of Complaints FYTD 2023/24
Hardness		
Odor	2	3
Taste		
Color		1
Air		
Suspended Solids		
<b>Totals</b>	<b>2</b>	<b>4</b>

**Heterotrophic Plate Count Samples**

**NWD**

Total # of HPCs Collected October 2023	# of HPCs Collected FYTD 2023/24

**SCWD**

Total # of HPCs Collected October 2023	# of HPCs Collected FYTD 2023/24
9	26

**VWD**

Total # of HPCs Collected October 2023	# of HPCs Collected FYTD 2023/24
5	13

## **PERCHLORATE CONTAMINATION PROGRAM MANAGEMENT**

As a result of the detection of perchlorate at Well V-201, modifications are being made to the Department of Toxic Substances Control (DTSC) Remedial Action Plan (RAP) and the perchlorate project DDW 97-005 Engineering Report. A perchlorate removal facility has been constructed and resumption of Well V-201 service will occur following receipt of permit from State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW).

In late December 2017, perchlorate was detected at Well V-205 just above the maximum contaminant level for drinking water of 6 ppb. A confirmation sample taken in March 2018 indicated a level of 8.1 ppb. The well was previously taken out of service in 2012. Design of a treatment system is underway.

In May 2019, for the first time since 2005, perchlorate was detected in Alluvial Aquifer Well Q-2 at the maximum contaminant level of 6 µg/L. No drinking water quality standards were violated, but the well was removed immediately from service. Design and construction of treatment system has been completed. The well was returned to service on July 26, 2023.

## **PFAS**

In May 2019, initial sampling for PFAS substances occurred and results were received. One well (Valley Center) exceeded Division of Drinking Water Interim Response Level of 70 ng/L and was shut off. Other wells exceeded the Interim Notification Levels for PFOS and PFOA. This information was presented to the SCV Water Board on June 4, 2019. PFAS sampling for the second quarter was done in August 2019 with results received in September and October 2019. In February 2020, the State Water Resources Control Board Division of Drinking Water issued new response levels; 10 parts per trillion (ppt) for perfluorooctanoic acid (PFOA) and 40 ppt for perfluorooctanesulfonic acid (PFOS.)

SCV Water has taken 25 wells out of service due to PFAS. Three (3) were returned to service in late 2020 (N, N7, N8) with the completion of the first PFAS Treatment System. One (1) additional well (Valley Center) was returned to service in October 2022 with completion of the second PFAS Treatment System.

## **WATER QUALITY LABORATORY**

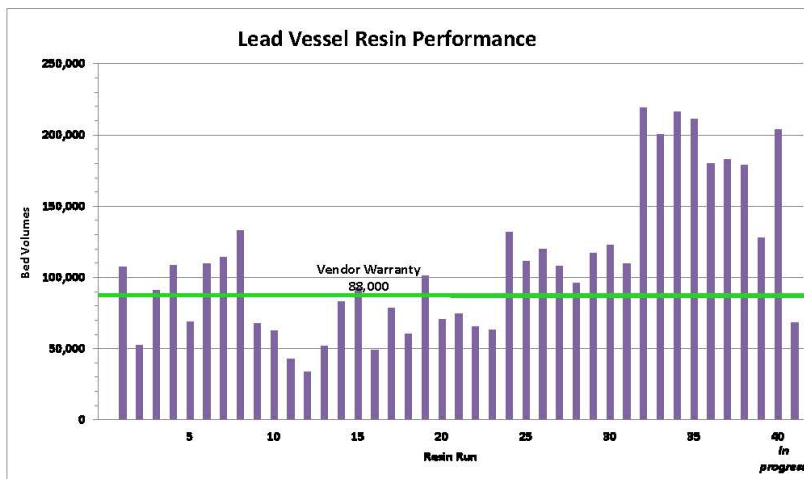
The renewal application with the Environmental Laboratory Accreditation Program (ELAP) has been completed, and the laboratory is certified with the new TNI laboratory regulations beginning on September 30, 2023, with an expiration date of September 30, 2025.

**Saugus Perchlorate Treatment Facility  
Resin Usage Summary  
Based on Time to Breakthrough**

Resin Run Number	Fill Date	Breakthrough Date*	Days	Volume Treated (Million Gallons)	Volume Treated (Acre-Feet)	Bed Volumes Treated	Replacement Costs	\$/BV	\$/AF	Combined (Lead and Lag)		
										MG	AF	BVs
1	5/3/10	8/25/10	115	253	776	107,310	*	*	*			
2	9/8/10	11/8/10	62	120	368	52,289	\$ 105,728	\$ 2.02	\$ 287	373	1,144	159,599
3	12/10/10	3/26/11	107	239	735	90,841	\$ 115,458	\$ 1.27	\$ 157	359	1,103	143,130
4	5/5/11	8/9/11	97	288	883	108,745	\$ 112,255	\$ 1.03	\$ 127	527	1,618	199,586
5	8/17/11	10/14/11	59	180	554	68,941	\$ 112,255	\$ 1.63	\$ 203	468	1,437	177,686
6	11/6/11	4/10/12	157	288	883	109,850	\$ 112,048	\$ 1.02	\$ 127	468	1,437	178,790
7	4/20/12	7/16/12	88	280	860	113,905	\$ 112,048	\$ 0.98	\$ 130	568	1,743	223,754
8	7/11/12	11/5/12	118	349	1,070	133,044	\$ 112,048	\$ 0.84	\$ 105	629	1,930	246,949
9	11/16/12	1/10/13	56	177	544	67,744	\$ 112,258	\$ 1.66	\$ 206	526	1,614	200,788
10	1/10/13	3/10/13	60	165	505	62,836	\$ 43,567	\$ 0.69	\$ 86	342	1,049	130,579
11	3/19/13	5/4/13	47	112	344	42,769	\$ 118,213	\$ 2.76	\$ 344	276	849	105,605
12	5/8/13	6/15/13	39	95	293	33,577	\$ 141,989	\$ 4.23	\$ 485	207	637	76,346
13	6/10/13	8/20/13	72	179	551	52,099	\$ 118,212	\$ 2.27	\$ 215	275	844	85,676
14	9/12/13	11/30/13	80	217	667	83,031	\$ 118,212	\$ 1.42	\$ 177	397	1,218	135,130
15	11/21/13	2/9/14	81	246	755	92,790	\$ 118,212	\$ 1.27	\$ 157	463	1,422	175,821
16	2/24/14	3/31/14	36	128	393	48,854	\$ 105,494	\$ 2.16	\$ 269	374	1,148	141,644
17	4/28/14	8/8/14	103	205	629	78,423	\$ 105,494	\$ 1.35	\$ 168	333	1,022	127,277
18	8/21/14	12/3/14	105	158	485	60,237	\$ 105,494	\$ 1.75	\$ 218	363	1,114	138,660
19	12/4/14	3/16/15	103	266	816	101,458	\$ 105,494	\$ 1.04	\$ 129	424	1,301	161,695
20	3/17/15	5/28/15	73	184	565	70,380	\$ 105,494	\$ 1.50	\$ 187	450	1,381	171,838
21	5/29/15	8/3/15	67	195	598	74,610	\$ 105,494	\$ 1.41	\$ 176	379	1,163	144,990
22	8/4/15	10/15/15	73	171	525	65,484	\$ 105,494	\$ 1.61	\$ 201	366	1,123	140,094
23	10/16/15	12/8/15	54	165	506	62,988	\$ 105,494	\$ 1.67	\$ 208	336	1,031	128,472
24	12/9/15	3/3/16	114	346	1,062	131,983	\$ 105,494	\$ 0.80	\$ 99	511	1,568	194,971
25	4/1/16	7/7/16	98	291	893	111,167	\$ 105,494	\$ 0.95	\$ 118	637	1,955	243,150
26	7/8/16	10/17/16	102	314	964	119,919	\$ 105,494	\$ 0.88	\$ 109	605	1,857	231,086
27	10/21/16	1/25/17	97	283	869	107,984	\$ 105,494	\$ 0.98	\$ 121	597	1,832	227,903
28	1/26/17	4/18/17	83	252	773	96,192	\$ 105,494	\$ 1.10	\$ 136	535	1,642	204,176
29	4/25/17	8/5/17	103	306	939	116,938	\$ 105,494	\$ 0.90	\$ 112	558	1,713	213,130
30	8/11/17	1/3/18	146	322	988	122,845	\$ 105,494	\$ 0.86	\$ 107	628	1,927	239,783
31	1/16/18	6/9/18	145	289	887	109,395	\$ 105,494	\$ 0.96	\$ 119	611	1,875	232,240
32	6/18/18	12/24/18	190	574	1,762	219,207	\$ 105,494	\$ 0.48	\$ 60	863	2,649	328,602
33	12/13/18	6/10/19	180	525	1,611	200,536	\$ 105,494	\$ 0.53	\$ 65	1,099	3,373	419,743
34	6/11/19	12/30/19	203	566	1,737	216,073	\$ 108,162	\$ 0.50	\$ 62	1,091	3,348	416,609
35	12/18/19	7/8/20	204	552	1,694	211,010	\$ 108,162	\$ 0.51	\$ 64	1,118	3,431	427,083
36	7/9/20	2/6/21	213	471	1,446	179,890	\$ 128,334	\$ 0.71	\$ 89	1,023	3,140	390,900
37	2/16/21	8/30/21	196	477	1,464	182,727	\$ 142,690	\$ 0.78	\$ 97	948	2,910	362,617
38	9/14/21	6/7/22	267	467	1,433	178,539	\$ 159,631	\$ 0.89	\$ 111	944	2,897	361,266
39	6/7/22	11/10/22	157	334	1,025	127,592	\$ 166,915	\$ 1.31	\$ 163	801	2,458	306,131
40	12/6/22	8/14/23	252	533	1,636	203,778	\$ 180,845	\$ 0.89	\$ 111	867	2,661	331,370
41 **	8/15/23	11/8/23	86	178	546	67,929		\$ -	\$ -			
<b>Total</b>			<b>4,688</b>	<b>11,741</b>	<b>36,035</b>	<b>4,485,906</b>	<b>\$ 4,446,134</b>	<b>NA</b>	<b>NA</b>	<b>22,340</b>	<b>68,565</b>	<b>8,524,867</b>
<b>Average</b>			<b>115</b>	<b>289</b>	<b>887</b>	<b>110,449</b>	<b>\$114,003</b>	<b>\$ 1.03</b>	<b>\$ 128.09</b>	<b>559</b>	<b>1,714</b>	<b>213,122</b>

+ Breakthrough defined as Lead Vessel effluent reaching 6 µg/L  
\* Initial resin delivery was included in construction contract  
\*\* Run is currently in progress

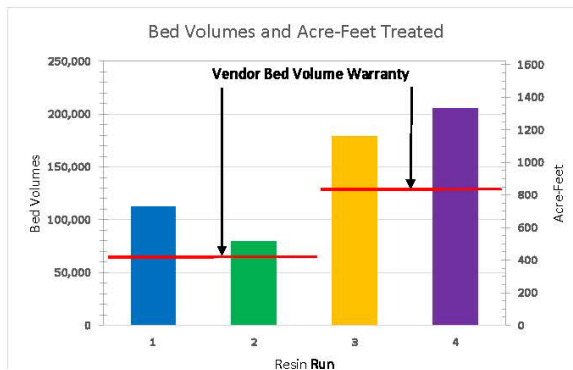
Runs 1-2 had 315 cubic feet of resin  
Runs 3-11 had 350 cubic feet of resin + 180 cubic feet of anthracite  
Run 12 had 434 cubic feet of resin + 180 cubic feet of anthracite  
Runs 13-present had 350 cubic feet of resin + 180 cubic feet of anthracite



V-201 Perchlorate Treatment Facility  
Resin Usage Summary  
Based on Time to Breakthrough

Resin Run Number	Fill Date	Breakthrough Date	Days	Volume Treated (Million Gallons)	Volume Treated (Acre-Feet)	Bed Volumes Treated	Replacement Costs	\$/BV	\$/AF	Combined (Lead and Lag)		
										MG	AF	BVs
1	11/3/2017	4/19/2018	168	297	912	112,498	\$188,355	\$1.67	\$207			
2	5/7/2018	9/17/2018	134	210	644	79,476	\$105,494	\$1.33	\$164	507	1,556	191,973
3	9/24/2018	11/4/2019	407	474	1454	179,465	\$105,494	\$0.59	\$73	684	2,098	258,941
4	11/12/2019	4/21/2021 *	527	544	1670	206,045	\$108,162	-	-	1,018	3,124	385,510
<b>Total</b>			<b>1236</b>	<b>1,525</b>	<b>4,679</b>	<b>577,483</b>	<b>\$507,505</b>			<b>2,209</b>	<b>6,778</b>	<b>836,424</b>
<b>Average</b>			<b>309</b>	<b>381</b>	<b>1,170</b>	<b>144,371</b>	<b>\$126,876</b>	<b>\$1.20</b>	<b>\$147.66</b>	<b>736</b>	<b>2,259</b>	<b>278,808</b>

+ Breakthrough defined as Lead Vessel effluent reaching 6 ug/L  
Runs 1 & 2 had 353 cubic feet of resin (PRS-2) + 180 cubic feet of anthracite  
Runs 3 - present had 353 cubic feet of resin (PRS2 Plus) + 180 cubic feet of anthracite  
\* The well was turned off at 1:30 pm April 26, 2021.











## **SAFETY/EMERGENCY/RISK MANAGEMENT**

A safe and healthy work environment is a critical component to the mission and values of SCV Water. Throughout the reporting month, several routine safety related training, inspections, and various other items were completed. The Safety Department continues to integrate health and safety programs for SCV Water. Some of the items completed and currently in progress are as follows:

### **Work in Progress**

- Noise Assessment was completed in July 2022. This assessment is being reviewed and the Hearing Conservation Plan is being evaluated and revised based in part on this assessment. Staff audiograms were conducted on February 15, 2023
- Ammonia RMP revalidation documents received from consultants. Staff are reviewing and completing the recommended actions and incorporating them into the current RMPs
- Review and update Spill Prevention Control and Countermeasure (SPCC) plan for Pine
- Revise and update Safety Manual
- Update Agency's Emergency Response Plan and further develop Incident Management Team

### **Inspections**

- Monthly safety inspections of all remote locations and facilities were conducted in October 2023
- UST Monthly Designated Operator inspection and Annual UST Certification took place at Rio Vista in October 2023
- Annual inspection of all Fire Suppression Systems took place in October 2023
- Quarterly crane inspections took place in October 2023
- Hazard Assessment at Golden Valley Booster station in October 2023

### **Incident Data**

- The Agency had no recordable incidents for the month of October 2023

### **Safety Training**

- Tailgate meetings took place at GT, Pine, Rio Vista, and Rockefeller in October 2023
- New Hire Safety and Emergency Training took place in October 2023
- CPR/AED/FA certification classes took place in October 2023
- Safety Department staff attended specialized hazardous waste and emergency response classes.
- Safety Department facilitated Agency participation in the CA Great Shakeout Earthquake Drill in October 2023
- Several staff attended a Forklift Operator Train the Trainer at Pine in October 2023
- Safety Department attended the quarterly City of Santa Clarita Emergency Preparedness Meeting in October 2023 held at Masters College

### **Environmental Health and Safety Compliance**

- Respirator Medical Evaluations and Fit Testing (Annual and New Hire)
- Drying bed waste was removed from RVWTP and disposed of at Kettleman Landfill
- Injury and Illness Prevention Program (IIPP) has been revised, incorporated into the Safety Manual, and posted on Aquifer, along with a video summary of the IIPP scope, purpose, and revisions. All staff received the annual IIPP notification via email

### **Safety Awards / Grants**

- FEMA/CalOES Covid Disaster Grant #4482DR-CA
  - o Project # 140459 was fully funded on June 5, 2023 (\$40,900.00)
  - o Project # 140458 was fully funded on July 31, 2020 (\$34,380.00)


Safety Committee

- The next Safety Committee meeting will be held on December 13, 2023

M65



## BOARD MEMORANDUM

**DATE:** November 20, 2023  
**TO:** Board of Directors  
**FROM:** Steve Cole   
Assistant General Manager  
**SUBJECT:** Water Resources and Outreach Section Report

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### WATER RESOURCES

#### *Key Accomplishments*

- Staff has nearly concluded participating in the County's Safe Clean Water Program (Measure W) Metrics and Monitoring Study. This effort was designed to develop program metrics and monitoring criteria through stakeholder involvement, technical research, and modeling. The County will consider recommendations from its different groups, including the MMS, to revise and clarify its metrics and processes.
- Staff has completed the transition of SCV Water's Excel-based MBK Water Supply Reliability Model to the GoldSim platform and presented a couple of comparative scenarios to the Water Resources and Watershed Committee at its September 13, 2023 meeting. A similar presentation was also given to the Board of Directors at its November 7, 2023 meeting.

#### *2023 Operation Details*

- Climate Pattern – La Nina conditions experienced the last three years came to an end in February 2023. Patterns shifted to ENSO Neutral conditions in March 2023 and have since shifted to El Nino conditions in June 2023. Strong El Nino conditions have historically brought warmer and wetter conditions to California. August 2023 NOAA updates show a greater than 95% chance El Nino conditions will continue through winter.
- SWP Allocation – The initial 2023 SWP Table A Allocation was set at 5% in December 2022. Since then, the allocation increased to 30% in January 2023, 35% in February, 75% in March, and 100% in April 2023.
- Demands – Due to extremely wet hydrology locally and statewide, as well as cool spring temperatures, 2023 demand estimates have been reduced. 2023 demands without mandated conservation were estimated at 66,500 AF. Based on actual 2023 water use through August 2023, final 2023 demands are estimated at approximately 54,000 AF.
- Banking Program Operations – All banking recoveries were halted in January 2023 due to early and very wet hydrology. Banking operations shifted to recharge in March 2023.
  - RRB Banking Program – March 2023 recharge operations began with intentions to put max 20,000 AF into storage. Water recharged will be a combination of SWP Table A and a small portion of back up supplies evacuated from San Luis Reservoir.

- Semitropic SWRU – March 2023 recharge operations began with intentions to put max 5,000 AF into storage, with options to recharge up to 10,000 AF, if requested and capacity is available. SCV Water has requested Semitropic store as much as possible.
- Water Exchanges/Transfers –
  - SCV Water successfully executed a transfer agreement with the Westside 5 Districts for a 2023 transfer. Agreement terms permit a transfer of up to 15,000 AF of SCV Water’s SWP 2023 Table A supply to be delivered by December 31, 2023.
  - SCV Water successfully executed a transfer agreement with United Water Conservation District (UWCD). The transfer terms permit SCV Water to sell up to 10,000 AF of SWP Table A supplies to UWCD by December 31, 2023.
  - SCV Water fully executed an exchange agreement with Rosedale Rio-Bravo Water Storage District (RRB) to exchange surplus SCV Water Table A supplies in 2023. This will be a 2:1 unbalanced exchange using SCVWA’s Table A supplies (up to 20,000 AF). All exchange water from SCV Water will be delivered to RRB in 2023, with a 10-year term for RRB to return water to SCV Water.
  - Staff is participating in discussions regarding extension of the Yuba Accord Water Transfer Agreement beyond its current term which expires in 2025.

***Groundwater Sustainability Plan Implementation***

The SCV-GSA Board met on October 2, 2023 and discussed the progress and plans of the groundwater flow model calibration and the revision on the sustainable management criteria. Staff will complete current tasks related to the flow model, and based on DWR’s recent advisement, consider the DWR comments on the adopted Groundwater Sustainability Plan (GSP) before submitting any amendments to the GSP. Staff will also propose a process and a timeline for presenting any amendments to the GSP to the public and the SCV-GSA Board for approval after receiving the DWR comments on the adopted GSP.

During October 2023, biologic consultants conducted the second annual evaluation of groundwater dependent ecosystems in the Santa Clara River, and reviewed (for the first time) certain upland habitat conditions. Final reports on this work are expected in January 2024.

Efforts to prepare the SCV-GSAs next (and third) annual report are underway, with expected Board consideration in spring 2024. Staff are also now spending time on reviewing new private well permits in the basin, due to an Executive Order by Governor Newsom.

***Significant Upcoming Items***

- Staff has completed the technical update 2022 SCV Annual Water Report. Public Outreach anticipates design and digital publication will be completed in January 2024.
- Staff is preparing documentation and a user-manual to train internal SCV Water staff on the use of the GoldSim platform model.
- Staff will be meeting with AVEK and other partners to consider the development of a Memorandum of Understanding to guide participation.

- Staff is meeting with Rosedale Rio-Bravo WSD and Irvine Ranch Water District to better understand the recharge and recovery capacity priorities of the respective agencies and assess the feasibility of a multi-agency long-term exchange program.
- Staff continues to work with Woodard and Curran to refine the Online New Drop database. Reporting features, QA/QC, and dashboards will be improved as the tool is used by Water Resources and Customer Service staff. Customized reports continue to be developed to assist staff in completing quarterly reports to the Regional Board for the Agency's recycled water permit. Additionally, improvements continue to be made to the online database through feedback from the Customer Care Department. A QA/QC process is being conducted on the New Drop database to ensure that every drop is captured in the quarterly reports. A few bugs on the web tool are in the process of being addressed and new reports are under development to support the expanding use of recycled water within our service area. The next quarterly report will be submitted by December 15, 2023.
- Staff, including SCV Water's IT and Operations staff, have been working with consultants to incorporate groundwater elevation data into a new web-based Data Management System (DMS). Use of this web based DMS allows SCV Water to have more efficient access to up-to-date groundwater elevation plots for the GSP wells including those needed for Groundwater Sustainability Plan compliance. At this stage, this new DMS is focused on GSP wells, but it will be scaled up to include other SCV Water wells. This new DMS is now hosted on SCV Water's servers and ultimately will allow for staff to access data directly, as opposed to sending requests to consultants or other staff members.
- As part of GSP implementation, two adjacent groundwater recharge sites have been selected on the east end of the Santa Clara River Basin for inclusion in the recharge feasibility study being conducted with the help of GSI technical consultants. The geophysical portion of the fieldwork was completed in mid-January 2022 and a summary report was received on March 30, 2022. A delineation and biological assessment to determine permitting requirements was completed the week of June 1, 2022, and a draft report was received on August 11, 2022. Staff met with CDFW personnel on November 18, 2022, to discuss the findings of the delineation report and obtain guidance on the next steps of the process. A CDFW notification package was then submitted on January 17, 2023, and an Operation of Law letter was received from CDFW on March 27, 2023, allowing staff to continue with data collection activities for the study. The infiltration testing and borehole sampling work began on May 2, 2023 and was completed May 11, 2023. A grant extension through February 2024 was secured to enable completion of additional groundwater modeling for the feasibility studies along with a memorandum describing the next steps in the process of implementing a full-scale recharge project. A rough draft of the report was received June 16, 2023. However, the final feasibility report will be completed by December 2023 once the additional modeling has concluded, the results are added to the final report, and the recharge project implementation memo is finalized.
- Staff continues engagement in a data management effort to identify opportunities for streamlining certain data collection and post-processing efforts. This project is primarily focused on all data flowing to the Water Resources team. Data collection efforts are underway to gain an understanding of the extent of information collected by the various departments, the reports that each department generates, and existing methods/tools used for data organization within the Agency.
- The work on the water resources data management effort has led several staff members to join an agency-wide data governance task force. Staff will be working with Technology Services and GIS on developing a data governance work plan with the following tasks: 1) Data Governance Objectives; 2) Framework and Principles; 3) Roles and Responsibilities; 4) Policies and Procedures; 5) Data Quality and Integrity; 6) Privacy, Security, and Compliance; 7) Governance Technology and Tools; and 8) Implementation Plan and Timeline.

- Staff has chosen GDS Associates to complete a solar analysis of the Devil's Den property and if the analysis shows that solar generation at the property is viable, GDS Associates will work with staff to prepare a marketing plan and RFP to find solar generation developers interested in leasing the property.
- The Sites Reservoir Authority received a response to its water rights application from the State Water Resources Control Board (SWRCB). The Board requested additional information regarding water availability if future Delta Water Quality Control Plans being considered by the SWRCB are enacted. On November 17, The Sites Project Authority, as the lead agency under the California Environmental Quality Act, certified the Final Environmental Impact Report (Final EIR) and approved the Sites Reservoir Project (Project). With this certification, the Authority will be working to move the project forward through the final planning stages and on to construction.
- To maximize the beneficial uses of recycled water and adhere to pending and/or future environmental requirements, staff is working with Woodard and Curran and Trussell Technologies to develop a Scope of Work (SOW) to include in a future RFP to update SCV Water's Recycled Water Master Plan. A second draft of the SOW was received on June 7, 2023, and after review by staff, a copy was shared with the Sanitation District (SD) to capture additional input. On November 15, 2023, the Sanitation District provided comments on the SOW. Stakeholder engagement strategies are currently under development.
- Staff continues to work with Environmental Science Associates (ESA) on the development of the California Environmental Flows Framework (CEFF) for the East Basin Santa Clara River, which aims to improve river ecological function. The Habitat Suitability Model (HSM), as part of the CEFF analysis, and preliminary observations on existing conditions have been completed. A presentation on the CEFF work completed to date was given at the June 2023 Water Resources and Watershed Committee meeting. Staff reached out to the California Department of Fish and Wildlife to enhance information sharing venues and understanding of Agency needs regarding Santa Clara River management. Moving forward, staff plans to seek input from the Committee regarding the Agency's ecological and management objectives.
- Staff is currently learning the PowerBI data visualization software to create custom interactive well production and groundwater level reports. Draft versions of the reports are available in Microsoft Teams and are currently undergoing a quality check for accuracy and functionality by staff. Development of these skills will allow for in-house customization of PowerBI reports produced by consultants that are managing the GSP database and the Operations data warehouse.
- Staff is in the process of completing both the cessation or reduction report and the groundwater extraction report for agency wells. These reports will be submitted to the State Water Resources Control Board by the end of 2023.
- Staff has received a formal request for a Water Supply Verification from the City of Santa Clarita for the Tesoro Del Valle Areas B & C Development and will prepare documents as necessary.
- In the Summer of 2022, SCV Water developed a draft work plan for the Watershed Resilience Initiative (WRI). Subsequently, Staff identified specialized expertise needed to address some of the tasks identified in the draft work plan that were not part of the original Request for Qualification (RFQ) solicitation released in August 2021. These are (1) Structured Decision Making and Community Engagement; (2) Integrated Groundwater Management; and (3) Data Collection and Management. As such, staff advertised another RFQ for the above-mentioned expertise through PlanetBids. Nine responses were received and reviewed and vetted by a panel of SCV Water staff.



Seven consultants were selected to be added to a bench of experts to be drawn upon for future work. SCV Water plans to advertise for future work by issuing Requests for Task Order Proposals or Requests for Proposals on PlanetBids and processing awarded contracts in accordance with Agency purchasing policy.

## **COMMUNICATIONS, LEGISLATION AND GRANTS**

### ***Key Accomplishments***

- Staff successfully executed the Agency’s second Water Academy in November 2023. With approximately 20 community members attending, the cohort received presentations from Agency staff in Water Resources, Finance and Administration, Technology Services, Customer Care, Conservation, Operations and more. The final session of the Water Academy included a guided tour of the Rio Vista Water Treatment Plant on November 18, 2023.
- Communications team received five awards during the 2023 PRism Awards Show hosted by the Public Relations Society of America’s Los Angeles Chapter (PRSA-LA) on October 26, 2023.
  - The “Drought Ready, SCV!” campaign earned a PRism Award and the Best in Community Relations in 2023
  - The *Water Currents* public newsletter – PRism award
  - *The Pipeline* employee newsletter - PRism award
  - The 2023 Consumer Confidence Report - Award of Excellence
- Staff trained the Agency’s department admins on October 9, 2023 on the Communications work group, the new Agency Brand Guide, and an overview of digital accessibility. Twenty people attended the training.
- Staff held a photo-op with members of the Board, as well as Executive Staff of the Agency and members of the William S. Hart Union High School District, at Hart High School on October 23, 2023, to celebrate the installation of a new water bottle refill station for students, staff, and faculty. Members of the media attended and the event garnered coverage in the local newspaper.
- Staff attended the following community events:
  - Touch A Truck – November 4, 2023. An SCV Water utility truck was on display and staff was on hand to talk with families about work in the field, as well as help children explore the truck and take photos.
  - City of Santa Clarita Light Up Main Street – November 18, 2023. Staff passed out Agency-branded giveaways at the City’s unofficial kickoff to the holiday season. Staff from Communications also distributed educational materials from the Agency.
- Staff assisted the Safety team in developing a post-event survey about the Great Shakeout on October 19, 2023. The survey had 96 responses.

### ***Legislative/Government Affairs***

#### **Upcoming Sponsorships and Event Participation**

- ACWA 2023 Fall Conference – November 28-30, 2023
- Urban Water Institute (UWI) 2024 Spring Conference – February 21-23, 2024

## Community Events

- Family Literacy Festival – December 2, 2023

## Outreach – Social/Digital Media & Education

Outlet	Description	Notable Activity	Audience
Facebook	Social media	Across all three platforms in October 2023	1.2K
Instagram		Total Engagement: 1,727 (all outlets)	1,763
Twitter		Total Impressions: 16,449 (all outlets)	1,302
Website	yourSCVwater.com	Website visitors in October 2023	~15,000
	Top visited pages:	1. Homepage 2. Residential Rebates	
Water Currents	Customer e-newsletter	Open rate for October 2023 – 56% (Average industry open rate: 21.64%)	16,138

Public Education - 2023 Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2023	2022
<b>Education</b>														
Students	958	898	1208	705	1,411	294	75*	56	464	738			6,807	6,883
Teachers	76	77	113	59	100	20	32	2	39	58			576	371
<b>Garden Classes (virtual and in-person**)</b>	35**	49	23**	34	13	18**	12	11	9	14* *			218	520

\* Data not yet available

\* July – Scouts Program

\*\* In-person class

## Grants

- California’s ongoing drought and Governor Newsom’s Executive Order N-7-22 have rendered the development of Rosedale Phase 2 Wells Project infeasible at this time. Staff, with the assistance of Rosedale Rio Bravo Water Storage District, is investigating the possibility of moving BOR WaterSmart DRP Program grant funding (\$1.46M) to an alternate project within the Rosedale area which develops dry year water supply recovery (the same benefit as the grant funded project).
- On October 18, 2023, SCV Water notified DWR of acceptance of funding under DWR’s Round 2 Sustainable Groundwater Management Implementation Grant. Staff is negotiating the draft grant agreement provided by DWR. The grant of \$5.3M will fund projects associated with Expanded Monitoring in the Upper Santa Clara River Groundwater Basin including monitoring wells, existing contracted GSP implementation, a domestic well survey and grant administration.
- On November 2, 2023, staff submitted a grant application for funding of the Newhall Wells (N11, N12, N13) Groundwater Treatment Improvements Project Under the Bureau of Reclamation’s FY 2024 WaterSmart Drought Response Program. This project will construct a centralized groundwater treatment facility for PFAS and/or other contaminants. The maximum grant award under this opportunity is \$5M. Award announcements under this grant opportunity are anticipated in Summer 2024.

## ***Significant Ongoing or Upcoming Items***

- Staff continues to develop a digital accessibility implementation plan. Staff will conduct a demo in early December 2023 with Equidox, a vendor specializing in digital accessibility.
- Staff continues to develop its emergency communications messaging and has developed holding statements for a variety of potential emergencies and disasters, consistent with the Agency’s Crisis Communications Plan. Those holding messages were added to the website so they can be quickly added as an emergency banner on the home page, as necessary.
- Staff is assisting various departments with a number of outreach efforts, including:
  - Customer Care: Staff created the annual calendar bill insert, which includes the 2024 Board meeting schedule as well as other important information about Customer Care, the Ratepayer Assistance Program, attending SCV Water meetings and reporting water waste. Distribution in all customer bills is anticipated in December 2023.
  - Engineering: Coordinating communications with potentially affected businesses, as well as schools that may be impacted by the pipeline replacement projects on Dickason and Smyth.
  - Engineering: Staff assisted Engineering with the development of a project web page for the Well 205 Treatment Project, and a presentation that Project Manager Shadi Bader gave to the Valencia Woodlands HOA on November 2, 2023.
  - Finance: Design of the Popular Annual Financial Report (PAFR)
  - Water Resources: Design of the 2022 SCV Water Report. The project is anticipated to be completed in early 2024.
  - Conservation: Staff is developing an outreach and communications plan to develop and share stories for Conservation in Action. This new effort will highlight various customers and customer groups for all they do to conserve water. Their stories will be shared across various outreach platforms and become a resource for others looking to make changes and save water.
  - Conservation: Staff is developing outreach for the “great leak sweep”. This new outreach and education effort is geared towards commercial and business customers. Conservation will partner with WaterWise to implement the program. Not only will the program look for leaks, but it will also compile relevant data that will help define the conservation long-term framework. This is anticipated to begin in early December 2023.
  - Conservation: Staff will assist Conservation and their partner, GreenMedia Creations, in developing outreach materials for their community pop-ups. Conservation will work with local HOAs to host “Coffee and Conservation” pop-ups that will touch on various outdoor water-saving topics such as irrigation. This is anticipated to begin in 2024.

## **SUSTAINABILITY AND CONSERVATION**

### **Key Accomplishments**

- Conservation staff met with staff from Welsh Water to share details of Agency programs and to learn about Welsh Water’s “Leaky Loo” program.

- Staff launched the Rio Vista Water Treatment Plant Battery Project. The project launch team includes consultant representatives from Pacifico Power, STEM, TerraVerde Energy and Agency staff from Sustainability, Operations, and Engineering.
- Staff coordinated the indoor and irrigation inspections for another multifamily complex located in SCV Water’s service area. The inspections resulted in over 1,000 faucet and showerhead installations and identified toilet rebate eligibility.
- SCV Water Sustainability and Conservation staff met with three (3) native plant experts to determine support needs for the Bridgeport Park Sustainability Demonstration Garden and the water efficient landscape garden at the Agency’s Rockefeller location.
- Sustainability staff, with consultant support, met with SCV Water Operations staff to identify site eligibility for Demand Reduction Program and Emergency Load Reduction Program participation.
- The Sustainability and Water Conservation Team prepared and delivered presentations to the Agency’s Fall 2023 Water Academy.
- Sustainability staff facilitated SCV Water’s quarterly Green Team meeting.
- Sustainability and Conservation staff collaborated with Water Resources staff to develop and prepare a response to Los Angeles County’s Climate Action Plan (CAP). Specifically, staff noted that the CAP’s recycled water performance objectives were out of alignment with its implementing actions and significantly disassociated with SCV Water Recycled Water plans as identified in current and previous iterations of the Urban Water Management Plan.

**Status of SCV Water Drought Response**

This section provides a condensed version of monthly drought updates and includes an overview of current statewide regulatory status.

**Regulatory Overview**

Entity/Agency	Regulatory Status	Notes
Governor Newsom	<ul style="list-style-type: none"> <li>• <del>Voluntary 15% v. 2020 Call (July 8, 2021)</del></li> <li>• Statewide Drought Emergency Declaration (October 19, 2021)</li> <li>• EO N-7-22 directs the SWRCB to require Stage/Level 2 Water Shortage Response implementation and for the Water Board consider defining and prohibiting the watering of non-functional turf. (March 28, 2022)</li> <li>• EO N-5-23 removes voluntary conservation call of 15% of 2020 and rescinds call directing SWRCB to take action requiring State 2 Shortage Plan measure implementation. The Drought Emergency Declaration remains in effect as well as emergency regulations regarding the prohibition of specific water waste measures and the banning of irrigating non-functional turf with potable water. (March 24, 2023)</li> </ul>	<ul style="list-style-type: none"> <li>• April 1, 2021 (2 Counties)</li> <li>• May 10, 2021 (Extended to 41 Counties)</li> <li>• July 8, 2021 (Extended to 50 Counties)</li> <li>• October 19, 2021 (Extended to Statewide)</li> <li>• March 24, 2023 (Statewide Drought Emergency Continuation)</li> </ul>

State Water Resources Control Board	<ul style="list-style-type: none"> <li>Readopted Emergency Regulations (December 2022)</li> <li>Readopted Emergency Regulation banning the irrigation of non-functional turf with potable water (June 2023)</li> </ul>	<ul style="list-style-type: none"> <li>Emergency regulations include water waste restrictions and provisions specific to HOA CCR implementation.</li> <li>SCV Water preparing 2nd Non-Functional Turf engagement and education initiative to promote "Turn it off, Cap it, or Convert it!"</li> </ul>
SCV Water	<ul style="list-style-type: none"> <li>Deactivation of Stage 2 WSCP and Ordinance No. 2 (July 11, 2023)</li> </ul>	<ul style="list-style-type: none"> <li>Norman/Planned Conservation levels are 2-3% annual reductions in gallons per person per day compared to 2010 baseline (272 GPCD)</li> </ul>

# Water Conservation

Water Resources Monthly Section Report - October 2023

### Water Production vs. Interim Goal (Non-Drought)

**Key Data Points (AF)**

- ← Monthly Variance: (966)
- ← YTD Variance: (15,209)
- ← Well 201 Adj.: 0
- ← Economic Activity Adj.: NA

### Conservation Program Participation (Current Month/Fiscal Year)

	Check-Ups	Workshops	Rebates	Engagement	Other	
	Residential	25/65	1/7	31/149	50/232	0/3
	Commercial	1/2	1,237/1,237	0/0	3/7	
	Landscape	5/9	3/13	0/12	0/0	

### Significant Upcoming Items

- Conservation - Staff preparing to report FY 23 Annual Water Conservation Reports for the Conservation Long-term Framework (AB 1668 & SB 606 (2018)).
- Conservation - Staff preparing to submit Water Loss Audit and Validation Reports to the Department of Water Resources for FY 23 in support of SB 55 (2015).
- Commercial Conservation - Staff to beta test and launch commercial conservation program to promote conservation, identify leaks, and identify business types within the commercial/business sector.
- Multifamily Apartment Program - Staff, with water conservation consultant support, to conduct check-ups, irrigation inspections, and toilet rebate estimates at one apartment complex located in SCV Water's service area.
- Water Use Efficiency Strategic Plan - Conservation to release a Request for Proposals to update the Agency's Water Use Efficiency Strategic Plan.
- Bridgeport Park - Conservation to procure services of native plant expert to advise on BPP garden.

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**Engineering and Operations Committee  
Planning Calendar  
FY 2023/24**

Item	Nov 2 Comm	Nov 7 Board	Nov 21 Board	Dec 5 Board	Dec 7 Comm	Dec 19 Board	Jan 2 Board	Jan 4 Comm	Jan 16 Board	Feb 1 Comm	Feb 6 Board	Feb 20 Board	March 5 Board	March 7 Comm	March 19 Board	April 2 Board	April 4 Comm	April 16 Board	May 2 Comm	May 7 Board	May 21 Board	June 4 Board	Jun 6 Comm	June 18 Board	July 2 Board
Monthly Committee Planning Calendar	C				P					P										P					
CIP Construction Status Report	C				P					P										P					
Monthly Operations and Production Report	C				P					P										P					
Third Party Funded Agreements Quarterly Report	C									P										P					
Quarterly Safety Program Presentation	C									P										P					
General Operations Presentation																									
Annual Safety Program Update																									
Real Property Activity Report																									
Review and Consider the Proposed FY 2024/25 and FY 2025/26 Capital Improvement Projects																									
Tax-Defaulted Properties																									
Review and Comment on the 10 Year Capital Improvement Projects Plan	C																								
Recommend Approval, Pursuant to a Previously Adopted Addendum to the Adopted 2005 Groundwater Containment, Treatment, and Restoration Project MND and MMRP, of a Purchase Order to Lee & Ro, Inc for Planning and Final Design Services for Wells 206 and 207 Groundwater Treatment Improvements Project	C		P																						
Recommend Approval of a Resolution Authorizing the General Manager to Apply for Funding from the Bureau of Reclamation WaterSMART Drought Response Program and Accept and Execute a Grant Agreement for the Newhall Wells (N11, N12, N13) Groundwater Treatment Improvements	C		P																						
Recommend Approval of a Resolution Pursuant to a Categorical Exemption under CEQA Guidelines Section 15301, and a Categorical Exclusion under NEPA, Awarding a Contract for Beldove (Copper Hill) 2 Water Storage Tank Coating Project to Polytech Industrial, Inc.						P																			
Recommend, pursuant to a categorical exemption under CEQA Guidelines section 15301, and a categorical exclusion under NEPA, the approval of the Purchase of a DeNora CiorTec Onsite Sodium Hypochlorite Generation System for the Lower Heron Residual Management System (LHRMS)						P																			

**Engineering and Operations Committee  
Planning Calendar  
FY 2023/24**

Item	Nov 2 Comm	Nov 7 Board	Nov 21 Board	Dec 5 Board	Dec 7 Comm	Dec 19 Board	Jan 2 Board	Jan 4 Comm	Jan 16 Board	Feb 1 Comm	Feb 6 Board	Feb 20 Board	March 5 Board	March 7 Comm	March 19 Board	April 2 Board	April 4 Comm	April 16 Board	May 2 Comm	May 7 Board	May 21 Board	June 4 Board	Jun 6 Comm	June 18 Board	July 2 Board
Discuss and Provide Feedback on an Out-of-Agency Water Services Agreement with Paradise Ranch Estates Mobile Home Park and Recommend Advancing an Agreement to the Board for Full Consideration and Approval							T																		
License for Verizon Wireless Communications Facility at Whites Canyon Tank (formerly known as Sky Blue) Site								P	P																
Recommend Approval of Adopting a Resolution Awarding a Purchase Order for Final Design Services for Honby Tank Pipeline Improvements								P	P																
Recommend Approval of Adopting a Resolution Awarding a Purchase Order for Final Design Services for Magic Mountain Pipeline Phases 1 - 3 Inspection Access Modifications								P	P																
Recommend Approval of the Pipeline Improvements for Newhall Avenue from Market Street to Pine Street										P		P													
Recommend Approval of Adopting a Resolution Awarding Construction Contract for T&U Wells PFAS Treatment, Saugus 1 and 2 VOC Treatment, and Disinfection Facility										P		P													
Recommend Approval of a Resolution Authorizing Santa Clarita Valley Water Agency to Provide Water Quality Laboratory Testing Services to the State of California Department of Water Resources										P		P													
Recommend Approval of Adopting a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Phase 2C South End Recycled Water Main Extension										P		P													
Recommend Approval of Adopting a Resolution Awarding Construction Contract for Pipeline to Los Angeles Residential Community										P		P													
Recommend Approval of a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for the Well 205 Groundwater Treatment Improvements Project																									P P



**Engineering and Operations Committee  
Planning Calendar  
FY 2023/24**

Item	Nov 2 Comm	Nov 7 Board	Nov 21 Board	Dec 5 Board	Dec 7 Comm	Dec 19 Board	Jan 2 Board	Jan 4 Comm	Jan 16 Board	Feb 1 Comm	Feb 6 Board	Feb 20 Board	March 5 Board	March 7 Comm	March 19 Board	April 2 Board	April 4 Comm	April 16 Board	May 2 Comm	May 7 Board	May 21 Board	June 4 Board	Jun 6 Comm	June 18 Board	July 2 Board	
Recommend Approval of Adopting a Resolution Authoring General Manager to Execute a (1) Financing Agreement with the State Water Resources Control Board for Consolidation of the New Mint Association, and (2) Consolidation and Water Service Agreement with the New Mint Association.														P												
Recommend Approval of On-Call Engineering Services and/or Construction Management and Inspection Services																	P									
Recommend Approval of Adopting a Resolution Awarding a Purchase Order for Final Design Services for RVWTP Sewerline Improvements																P										
Recommend Approval of a Resolution Adopting Initial Study-Mitigated Negative Declaration Under the California Environmental Quality Act and a Resolution Authorizing a Purchase Order to Hazen and Sawyer for Final Design Services for the Newhall Wells (N11, N12, N13) Groundwater Treatment Improvements Project																P										
Recommend Approval of Adopting a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Smyth Pipeline Improvements																			P							
Recommend Approval of Adopting a Resolution Awarding Construction Contract and Purchase Orders for Construction Management and Inspection Services and Engineering Services During Construction for Valencia Market Place Pipeline Improvements																			P							
Recommend Approval of Adopting a Resolution Awarding a Purchase Order for Final Design Services for N-Wells Drainage Improvements																			P							
Recommend Approval of Adopting a Resolution Awarding Construction Contract for Saugus Wells 3 & 4 (Replacement Wells) Well Equipment and Site Improvements Project.																								P	P	
Recommend Approval of Adopting a Resolution Awarding a Purchase Order for Final Design Services for Sand Canyon Sewerline																										P

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**Finance and Administration Committee  
Planning Calendar  
FY 2023/24**

Item	July 11 Board	July 17 Comm	July 18 Board	Aug 1 Board	Aug 15 Board	Aug 21 Comm (Q4)	Sept 5 Board	Sept 25 RESCHED Comm	Oct 3 Board	Oct 16 Comm (cancelled)	Oct 17 Board	Nov 20 Comm (Q1)	Dec 5 Board	Dec 11 RESCHED Comm	Dec 19 Board	Jan 2 Board	Jan 22 RESCHED Comm	Feb 6 Board	Feb 26 RESCHED Comm (Q2)	Mar 5 Board	Mar 18 Comm	Mar 19 Board	April 2 Board	April 15 Comm	May 16 Board	May 20 Comm (Q3)	June 4 Board	June 17 Comm	June 18 - JPA
1	Recommend Approval of Resolutions Setting Santa Clarita Valley Water Agency Tax Rate for FY 2023/24 and Requesting Levy of Tax by Los Angeles County and Ventura County (consent - moved up due to 7-4 cancelled Board)	C																											
2	Recommend Approval of a Preliminary Official Statement		C																										
3	Recommend Receiving and Filing of April 2023 Monthly Financial Report (consent)	C																											
4	Discuss and Recommend Actions for Ground Lease Property at 22722 Soledad Canyon Road		C																										
5	Recommend Approval of a Resolution Authorizing FY 2023/24 Water Supply Contract Payments (consent)		C	C																									
6	Recommend Approval of a Contract with Premier Property Preservation for Janitorial Services		C	C																									
7	Recommend Approval of a Revised Purchasing Policy		C	C																									
8	Recommend Receiving and Filing of May 2023 Monthly Financial Report (consent)		C	C																									
9	Fleet and Warehouse Update				C																								
10	Investment Advisor Financial Market Update					C																							
11	Discuss Water Affordability Study					C																							
12	Review Financing Plan Scenarios					C																							
13	Recommend Approval of a Revised Position Control					C																							
14	Recommend Approval of a Revised Surplus Policy					C	C																						
15	Recommend Approval of Revised Ratepayer Advocate Process and Provide Direction Related to Ratepayer Advocate Service Contract					C	C																						

**Finance and Administration Committee  
Planning Calendar  
FY 2023/24**

Item	July 11 Board	July 17 Comm	July 18 Board	Aug 1 Board	Aug 15 Board	Aug 21 Comm (Q4)	Sept 5 Board	Sept 25 RESCHED Comm	Oct 3 Board	Oct 16 Comm (cancelled)	Oct 17 Board	Nov 20 Comm (Q1)	Dec 5 Board	Dec 11 RESCHED Comm	Dec 19 Board	Jan 2 Board	Jan 22 RESCHED Comm	Feb 6 Board	Feb 26 RESCHED Comm (Q2)	Mar 5 Board	Mar 18 Comm	Mar 19 Board	April 2 Board	April 15 Comm	May 16 Board	May 20 Comm (Q3)	June 4 Board	June 17 Comm	June 18 - JPA
16 Recommend Receiving and Filing of June 2023 Monthly and FY 2022/23 Fourth Quarter Financial Report						C	C																						
17 Recommend Approval of a Resolution Adopting a Revised Investment Policy - (Annually adopted via reso) (consent)							C				C																		
18 Recommend Approval of the First Addendum to the Ground Lease for the Property at 22722 Soledad Canyon Road							C				C																		
19 Recommend Approval of Purchase of Two (2) Backhoe Replacements for Agency Fleet							C				C																		
20 Recommend Approval of a Revised Customer Service Policy											C																		
21 Fleet and Warehouse Update												C																	
22 Recommend Receiving and Filing of July 2023 Monthly Financial Report (consent)								C			C																		
23 Recommend Approval of an HCM Implementation Contract with Apps Associates												C	P																
24 Recommend Approval of a Purchase Order for Fleet Replacement Vehicles												C	P																
25 Recommend Approval of a Contract Renewal with Systems & Software, Inc. for enQuesta Customer Service System Maintenance and Support												C	P																
26 Recommend Approval of a Revised Driving and Vehicle Policy												C	P																
27 Recommend Approval of a Revised Employee Manual No. 10: Overtime												C	P																
28 Recommend Receiving and Filing of August 2023 Monthly Financial Report (consent)												C	P																
29 Recommend Receiving and Filing of September 2023 Monthly and FY 2023/24 First Quarter Financial Report (not consent)												C	P																

**Finance and Administration Committee  
Planning Calendar  
FY 2023/24**

Item	July 11 Board	July 17 Comm	July 18 Board	Aug 1 Board	Aug 15 Board	Aug 21 Comm (Q4)	Sept 5 Board	Sept 25 RESCHED Comm	Oct 3 Board	Oct 16 Comm (cancelled)	Oct 17 Board	Nov 20 Comm (Q1)	Dec 5 Board	Dec 11 RESCHED Comm	Dec 19 Board	Jan 2 Board	Jan 22 RESCHED Comm	Feb 6 Board	Feb 26 RESCHED Comm (Q2)	Mar 5 Board	Mar 18 Comm	Mar 19 Board	April 2 Board	April 15 Comm	May 16 Board	May 20 Comm (Q3)	June 4 Board	June 17 Comm	June 18 - JPA	
30 Recommend Receiving and Filing of SCV Water Annual Comprehensive Financial Report (ACFR) ended June 30, 2023 (consent)														P	P															
31 Recommend Approval of an HCM Implementation Contract with Apps Associates														P		P														
32 Review Facility Capacity Fee (FCF) Revenues and FCF Study Components														P																
33 Recommend Approval of a Technology Managed Services Contract																	P													
34 Ratepayer Advocate Interviews (1 yr w/2 1yr options)																	P		P											
35 Recommend Receiving and Filing of October 2023 Monthly Financial Report (consent)																	P		P											
36 Recommend Receiving and Filing of November 2023 Monthly Financial Report (consent)																	P		P											
37 Recommend Approval of a Revised Employee Manual No. 12: Shift Work Policy																			P			P								
38 Recommend Approval of Revised Employee Policies																			P			P								
39 Review Budget Calendar																			P			P								
40 Recommend Approval of an Internal Audit Policy																			P			P								
41 Recommend Approval of Water Rate Structure																			P			P								
42 Recommend Receiving and Filing of December 2023 and FY 2023/24 Second Quarter Financial Report and Mid-Year Budget Review																			P			P								

**Finance and Administration Committee  
Planning Calendar  
FY 2023/24**

Item	July 11 Board	July 17 Comm	July 18 Board	Aug 1 Board	Aug 15 Board	Aug 21 Comm (Q4)	Sept 5 Board	Sept 25 RESCHED Comm	Oct 3 Board	Oct 16 Comm (cancelled)	Oct 17 Board	Nov 20 Comm (Q1)	Dec 5 Board	Dec 11 RESCHED Comm	Dec 19 Board	Jan 2 Board	Jan 22 RESCHED Comm	Feb 6 Board	Feb 26 RESCHED Comm (Q2)	Mar 5 Board	Mar 18 Comm	Mar 19 Board	April 2 Board	April 15 Comm	May 16 Board	May 20 Comm (Q3)	June 4 Board	June 17 Comm	June 18 - JPA	
43	Review COLA Data and Recommend Approval of a Proposed Employee Salary Adjustment (COLA) for FY 2024/25																													
44	Recommend Approval of a Revised Retail Debt Threshold																													
45	Recommend Approval of a Revised Employee Manual No. 7: Employment Status																													
46	Recommend Approval of a Revised Employee Manual No. 9: Pay Plan																													
47	Discuss Facility Capacity Fee Study																													
48	Recommend Approval of a Revised Capitalization Policy for Fixed Assets																													
49	Technology Update																													
50	Fleet and Warehouse Update																													
51	Recommend Receiving and Filing of January 2024 Monthly Financial Report (consent)																													
52	Recommend Approval of a Resolution Revising the Budget for FY 2024/25																													
53	Review Annual List of Professional Services Contracts (consent)																													
54	Recommend Receiving and Filing of February 2024 Monthly Financial Report (consent)																													
55	Approve a Resolution Adopting the Appropriation of All As-Yet Unappropriated Funds for FY 2023/24 (consent)																													
56	Approve a Resolution Adopting the Appropriation Limit for FY 2024/25 (consent)																													
57	Recommend Receiving and Filing of March 2024 and FY 2023/24 Third Quarter Financial Report																													
58	Technology Update																													
59	Fleet and Warehouse Update																													

**Finance and Administration Committee  
Planning Calendar  
FY 2023/24**

Item	Item	Item	Item
60	Recommend Receiving and Filing of April 2024 Monthly Financial Report (consent)	July 11 Board	
		July 17 Comm	
		July 18 Board	
		Aug 1 Board	
		Aug 15 Board	
		Aug 21 Comm (Q4)	
		Sept 5 Board	
		Sept 25 RESCHED Comm	
		Oct 3 Board	
		Oct 16 Comm (cancelled)	
		Oct 17 Board	
		Nov 20 Comm (Q1)	
		Dec 5 Board	
		Dec 11 RESCHED Comm	
		Dec 19 Board	
		Jan 2 Board	
		Jan 22 RESCHED Comm	
		Feb 6 Board	
		Feb 26 RESCHED Comm (Q2)	
		Mar 5 Board	
		Mar 18 Comm	
		Mar 19 Board	
		April 2 Board	
		April 15 Comm	
		May 16 Board	
		May 20 Comm (Q3)	
		June 4 Board	
		June 17 Comm	P
		June 18 - JPA	P

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**PUBLIC OUTREACH AND LEGISLATION COMMITTEE  
AGENDA PLANNING CALENDAR 2023-2024**

**December 5, 2023 Board Meeting**

1. Adoption of the 2024 Legislative Platform

**December 21, 2023 Committee Meeting – Canceled**

**January 18, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Outreach Year in Review Presentation and Year Forward
3. Review of Agency's Sponsorship Policy
4. Committee Requests for Future Agenda Items

**February 15, 2024 Committee Meeting** *(last days for bills to be introduced)*

1. Legislative Consultant Reports
2. Review of Agency's Event Participation Criteria
3. Communications Manager's Report
4. Committee Requests for Future Agenda Items

**March 21, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Review Agency's Conservation Public Outreach Campaigns
3. Communications Manager's Report
4. Committee Requests for Future Agenda Items

**April 18, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Presentation of the FY 2023/24 and FY 2024/25 Public Outreach Operating Budget
3. Communications Manager's Report
4. Committee Requests for Future Agenda Items

**May 16, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Campaigns and Engagement Highlights Presentation
3. Communications Manager's Report
4. Committee Requests for Future Agenda Items

**June 20, 2024 Committee Meeting** *(last days for Senate/Assembly to pass bills)*

1. Legislative Consultant Reports
2. Communications Manager's Report
3. Committee Requests for Future Agenda Items

**July 18, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Communications Manager's Report
3. Committee Requests for Future Agenda Items

**August 15, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Communications Manager's Report
3. Committee Requests for Future Agenda Items

**September 19, 2024 Committee Meeting** *(last days for Senate/Assembly to pass bills)*

1. Legislative Consultant Reports

2. Communications Manager's Report
3. Committee Requests for Future Agenda Items

**October 17, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Communications Manager's Report
3. Committee Requests for Future Agenda Items

**November 21, 2024 Committee Meeting**

1. Review of the 2025 Legislative Platform
2. Legislative Consultant Reports
3. Communications Manager's Report
4. Committee Requests for Future Agenda Items

**December 3, 2024 Board Meeting**

1. Adoption of the 2025 Legislative Platform

**December 19, 2024 Committee Meeting**

1. Legislative Consultant Reports
2. Communications Manager's Report
3. Committee Requests for Future Agenda Items



## WATER RESOURCES AND WATERSHED COMMITTEE AGENDA PLANNING CALENDAR FY 2023-2024

### **December 5, 2023 Board Meeting**

1. Recommend an Adoption of a Resolution Approving the SB 221 Water Supply Verification for the Tesoro Del Valle (Areas B and C) Development

### **December 13, 2023 Committee Meeting**

1. CLOSED SESSION:
2. Discuss and Consider Potential Amendment to the Deposit and Funding Agreement between Santa Clarita Valley Water Agency and DACA-Castaic, LLC for Tapia Ranch
3. Recommend Authorizing the General Manager to Enter into an Agreement for the Vista Canyon Recycled Water between City of Santa Clarita and SCV Water Agency
4. Water Resources Manager Report:
  - Status of Devil's Den Solar Feasibility Study
  - Staff Activities
5. Sustainability Manager Report:
  - Staff Activities

### **January 2, 2024 Board Meeting**

1. Recommend Authorizing the General Manager to Enter into an Agreement for the Vista Canyon Recycled Water between City of Santa Clarita and SCV Water Agency

### **January 10, 2024 Committee Meeting**

1. Recommend Adoption of the Water Use Efficiency Strategic Plan
2. Water Resources Manager Report:
  - Status of Groundwater Recharge Feasibility Studies
  - Status of Upper Santa Clara River Salt and Nutrient Management Plan
  - Status of Water Supplies
  - Staff Activities
3. Sustainability Manager Report:
  - Staff Activities

### **February 6, 2024 Board Meeting**

1. Recommend Adoption of the Water Use Efficiency Strategic Plan

### **February 14, 2024 Committee Meeting**

1. Authorize the General Manager to Enter into Contracts for Water Resiliency Plan Initiative
2. Recommend Authorizing the General Manager to Enter into MOU with Antelope Valley East Kern Water District to Fund Planning Costs for a Portion of the Proposed Phase 2 Proposed High Desert Water Bank
3. Water Resources Manager Report:
  - Status of New Drop Program
  - Staff Activities
2. Sustainability Manager Report:
  - Staff Activities

### **March 5, 2024 Board Meeting**

1. Authorize the General Manager to Enter into Contracts for Water Resiliency Plan Initiative
2. Recommend Authorizing the General Manager to Enter into MOU with Antelope Valley East Kern Water District to Fund Planning Costs for a Portion of the Proposed Phase 2 Proposed High Desert Water Bank

### **March 13, 2024 Committee Meeting**

1. Water Resources Manager Report:
  - Staff Activities
2. Sustainability Manager Report:

- Staff Activities

**April 10, 2024 Committee Meeting**

1. Water Resources Manager Report:
  - Staff Activities
2. Sustainability Manager Report:
  - Staff Activities

**May 15, 2024 Committee Meeting**

1. Water Resources Manager Report:
  - Staff Activities
2. Sustainability Manager Report:
  - Staff Activities

**June 12, 2024 Committee Meeting**

1. Water Resources Manager Report:
  - Staff Activities
2. Sustainability Manager Report:
  - Staff Activities

**July 10, 2024 Committee Meeting**

1. Water Resources Manager Report:
  - Staff Activities
2. Sustainability Manager Report:
  - Staff Activities