

**COMMISSION OF SILICON VALLEY CLEAN WATER  
JOINT POWERS AUTHORITY  
REGULAR MEETING – Thursday, July 13, 2017  
8:00 a.m.**

Place: Pelican Conference Room  
Silicon Valley Clean Water  
1400 Radio Road, 2<sup>nd</sup> Floor  
Redwood City, California

**COMMISSIONERS**

MAYOR JOHN SEYBERT, REDWOOD CITY – CHAIR  
COUNCIL MEMBER WARREN LIEBERMAN, PhD., BELMONT – VICE CHAIR  
BOARD MEMBER GEORGE S. OTTE, P.E., WEST BAY SANITARY DISTRICT – MEMBER  
MAYOR ROBERT GRASSILLI, SAN CARLOS – SECRETARY

**MANAGER:** DANIEL T. CHILD

**ATTORNEY FOR THE AUTHORITY:** CHRISTINE C. FITZGERALD

**CONTROLLER/TREASURER:** KIMBRA MCCARTHY

**AMERICANS WITH DISABILITIES ACT**

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact SVCW (650) 591-7121. Notification in advance of the meeting will enable the Authority to make reasonable arrangements to ensure accessibility to this meeting.

**AGENDA**

1. CALL TO ORDER
2. ROLL CALL
3. PLEDGE OF ALLEGIANCE
4. PUBLIC COMMENT

Any member of the public may address and ask questions of the Chair under this item relating to any matter within the Commission's jurisdiction that does not appear as a separate item on the Agenda. An opportunity will be provided for members of the public to address the Chair and ask questions about any item that is listed on the agenda at the time the Commission considers the item and before action is taken. If you address the Commission on a non-agenda item, please be aware that the Ralph M. Brown Act (Gov. C. § 54950 et seq.) prohibits the Commission from acting on or discussing such matters at this meeting. Any such item may be referred to staff for a decision with regard to placing it on a future agenda for discussion, action or a report.

5. SAFETY MOMENT and REPORTS

A. Safety Moment

B. Manager's Report (verbal)

C. Financial Reports

1. Investment Report

May 31, 2017

D. Engineering Projects Status Update

June 2017

E. Commission Requested Staff-Level Action Items

F. RESCU Program Design-Build Projects Status Update

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

8. BUSINESS ITEMS

A. PUBLIC HEARING - CONSIDERATION OF RESOLUTIONS DETERMINING THE GRAVITY PIPELINE AND FRONT OF PLANT PROJECTS AS "SUBSTANTIALLY COMPLEX"

Proposed Actions:

i. OPEN PUBLIC HEARING AND RECEIVE TESTIMONY

ii. CLOSE PUBLIC HEARING

iii. Move adoption of RESOLUTION FINDING THAT THE GRAVITY PIPELINE PROJECT (CIP #6008) IS "SUBSTANTIALLY COMPLEX" AND APPROVING RETENTION OF 10% OF EACH PROGRESS PAYMENT FOR STAGE 2 OF THE PROJECT

iv. Move adoption of RESOLUTION FINDING THAT THE FRONT OF PLANT PROJECT (CIP #6013, 6014, 9160) IS "SUBSTANTIALLY COMPLEX" AND APPROVING RETENTION OF 10% OF EACH PROGRESS PAYMENT FOR STAGE 2 OF THE PROJECT

B. CONSIDERATION OF RESOLUTION APPROVING TECHNOLOGY AGREEMENTS FOR PURCHASE, DEVELOPMENT AND IMPLEMENTATION OF ENTERPRISE RESOURCE PLANNING SOFTWARE SYSTEM

Proposed Action: Move adoption of RESOLUTION APPROVING INFORMATION TECHNOLOGY PROFESSIONAL SERVICE AGREEMENTS FOR AN ENTERPRISE RESOURCE PLANNING SOFTWARE SYSTEM, AUTHORIZING AND DIRECTING EXECUTION OF AGREEMENTS AND AUTHORIZING MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS (\$1,031,710) – COGSDALE CORPORATION

C. CONSIDERATION OF RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR THE CHLORINE CONTACT TANK (CCT) CONCRETE AND STEEL PROTECTIVE COATING REPLACEMENT PROJECT (CIP #9107)

Proposed Action: Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR CCT CONCRETE AND STEEL PROTECTIVE COATING REPLACEMENT PROJECT (CIP #9107); ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER, REJECTING ALL OTHER BIDS; AND AUTHORIZING EXECUTION OF AGREEMENT, DIRECTING RETURN OF SECURITY DEPOSITS AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT - REDWOOD PAINTING CO., INC. (\$347,900)

9. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

Pursuant to Government Code §54956.9(d)(1)

Case Name: *In the Matter of the Calculation of Final Compensation of David A. Hall, Respondent, and Silicon Valley Clean Water, Respondent* (Board of Administration, California Public Employees' Retirement System, Agency Case No. 2015-1236 OAH NO. 2016030664)

10. RECONVENE IN OPEN SESSION – Announce action taken in Closed Session, if any.

11. ADJOURN

CONSENT CALENDAR

**NOTICE TO PUBLIC**

All matters listed under CONSENT CALENDAR are considered to be routine. There may be discussion on items on the CONSENT CALENDAR. All items will be enacted by one motion with a roll call vote unless members of the Commission, staff, or public request specific items be removed from the CONSENT CALENDAR for separate action.

- 7. A. APPROVAL OF MINUTES – June 8, 2017
  
- B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED JUNE 2, 2017 AND NECESSARY PAYMENTS THROUGH JULY 16, 2017
  
- C. CONSIDERATION OF MOTION TO APPROVE TASK ORDER FOR THE SITE STABILIZATION GRADING AND DRAINAGE PROJECT (CIP #6013)

Proposed Action: Move approval of TASK ORDER SCOPE AND BUDGET FOR ENGINEERING SERVICES FOR THE SITE STABILIZATION GRADING AND DRAINAGE PROJECT (CIP #6013) IN AN AMOUNT NOT TO EXCEED \$175,588 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – FREYER & LAURETA, INC.

- D. CONSIDERATION OF MOTION APPROVING TASK ORDER FOR AUTOMATION STANDARDS AND AUTOMATION INTEGRATION CONSULTING SERVICES FOR FRONT OF PLANT PROJECTS

Proposed Action: Move approval of TASK ORDER SCOPE AND BUDGET FOR AUTOMATION STANDARDS AND INTEGRATION SERVICES DEVELOPMENT FOR THE FRONT OF PLANT PROJECTS (CIP #s 6013, 6014, 9016) IN AN AMOUNT OF \$106,260 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – CASCADE INTEGRATION AND DEVELOPMENT

- E. CONSIDERATION OF RESOLUTIONS ESTABLISHING MANAGER’S FISCAL YEAR 2017-2018 ANNUAL SALARY AND APPROVE PERFORMANCE BONUS, AND APPROVAL OF UPDATED CONSOLIDATED SALARY SCHEDULE

Proposed Actions:

- i. Move adoption of RESOLUTION APPROVING ANNUAL SALARY INCREASE AND PERFORMANCE BONUS FOR THE SILICON VALLEY CLEAN WATER MANAGER

- ii. Move adoption of RESOLUTION APPROVING CONSOLIDATED PAY SCHEDULE FOR ALL REPRESENTED AND UNREPRESENTED EMPLOYEES OF SILICON VALLEY CLEAN WATER FOR FISCAL YEAR 2017-2018 NUNC PRO TUNC AND RESCINDING RESOLUTION NO. SVCW 17-40
  
- F. CONSIDERATION OF RESOLUTION AUTHORIZING SUBMITTAL OF AN APPLICATION TO THE U.S.E.P.A. FOR CREDIT ASSISTANCE UNDER THE WATER INFRASTRUCTURE FINANCE AND INNOVATIONS ACT (WIFIA)

Proposed Action: Move adoption of RESOLUTION OF THE COMMISSION OF SILICON VALLEY CLEAN WATER APPROVING AND AUTHORIZING SUBMITTAL OF AN APPLICATION FOR CREDIT ASSISTANCE TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY SEEKING UP TO \$194 MILLION IN SECURED LOANS FOR THE CONVEYANCE SYSTEM PROGRAM UNDER THE WATER INFRASTRUCTURE FINANCE AND INNOVATION ACT, AND DESIGNATING AND AUTHORIZING THE AUTHORITY'S MANAGER TO PROVIDE ANY AND ALL ASSURANCES, CERTIFICATIONS, AND COMMITMENTS REQUIRED THEREFOR INCLUDING THE NEGOTIATION AND EXECUTION OF A CREDIT ASSISTANCE AGREEMENT

- G. CONSIDERATION OF MOTION TO AMEND AGREEMENT WITH REDWOOD CITY FOR FINANCIAL, INFORMATION AND COMPUTER TECHNOLOGY SERVICES

Proposed Action: Move approval of AMENDMENT TO AGREEMENT FOR FINANCIAL AND IT SERVICES FOR THE TERM OF JULY 1, 2017 THROUGH JUNE 30, 2018 - CITY OF REDWOOD CITY

- H. CONSIDERATION OF RESOLUTION APPROVING AND ADOPTING REVISION P TO ADMINISTRATIVE POLICY 1992-01, SILICON VALLEY CLEAN WATER'S INVESTMENT POLICY AND GUIDELINES

Proposed Action: Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION P TO ADMINISTRATIVE POLICY 1992-01 ESTABLISHING SILICON VALLEY CLEAN WATER'S INVESTMENT POLICY AND GUIDELINES

- I. CONSIDERATION OF RESOLUTION AMENDING AND APPROVING SILICON VALLEY CLEAN WATER'S CONFLICT OF INTEREST CODE

Proposed Action: Move adoption of RESOLUTION AMENDING AND APPROVING THE 2017 CONFLICT OF INTEREST CODE UPDATE FOR SILICON VALLEY CLEAN WATER

## SAFETY MOMENT

### Surviving the Heat

By: National Safety Council Safety Knowledge

Did you know your body is constantly in a struggle to disperse the heat it produces? Most of the time, you're hardly aware of it – unless your body is exposed to more heat than it can handle.

In 2014, 244 people died in the U.S. from exposure to excessive heat, per *Injury Facts 2017*, the annual statistical report on unintentional injuries produced by the National Safety Council. Heat-related illnesses can escalate rapidly, leading to delirium, organ damage and even death.

There are several heat-related illnesses, including heatstroke (the most severe), heat exhaustion and heat cramps. Those most at risk include:

- Infants and young children
- Elderly people
- Pets
- Individuals with heart or circulatory problems or other long-term illness
- People who work outdoors
- Athletes and people who like to exercise – especially beginners
- Individuals taking medications that alter sweat production
- Alcoholics and drug abusers

### Heatstroke

Heatstroke can occur when the ability to sweat fails and body temperature rises quickly. The brain and vital organs are effectively "cooked" as body temperature rises to a dangerous level in a matter of minutes. Heatstroke is often fatal, and those who do survive may have permanent damage to their organs.

Someone experiencing heatstroke will have extremely hot skin, and an altered mental state, ranging from slight confusion to coma. Seizures also can result. Ridding the body of excess heat is crucial for survival.

- Move the person into a half-sitting position in the shade
- Call for emergency medical help immediately
- If humidity is below 75%, spray the victim with water and fan them vigorously; if humidity is above 75%, apply ice to neck, armpits or groin
- Do not give aspirin or acetaminophen
- Do not give the victim anything to drink

## **Heat Exhaustion**

When the body loses an excessive amount of salt and water, heat exhaustion can set in. People who work outdoors and athletes are particularly susceptible.

Symptoms are similar to those of the flu and can include severe thirst, fatigue, headache, nausea, vomiting and, sometimes, diarrhea. Other symptoms include profuse sweating, clammy or pale skin, dizziness, rapid pulse and normal or slightly elevated body temperature.

Uncontrolled heat exhaustion can evolve into heatstroke, so make sure to treat the victim quickly.

- Move them to a shaded or air-conditioned area
- Give them water or other cool, nonalcoholic beverages
- Apply wet towels or have them take a cool shower

## **Heat Cramps**

Heat cramps are muscle spasms that usually affect the legs or abdominal muscles, often after physical activity. Excessive sweating reduces salt levels in the body, which can result in heat cramps.

Workers or athletes with pain or spasms in the abdomen, arms or legs should not return to work for a few hours. Instead:

- Sit or lie down in the shade.
- Drink cool water or a sports drink.
- Stretch affected muscles.
- Seek medical attention if you have heart problems or if the cramps don't get better in an hour.

The Centers for Disease Control and Prevention offers more information on heat-related illness on their website.

The best way to avoid a heat-related illness is to limit exposure outdoors during hot days. Air conditioning is the best way to cool off, according to the CDC. Also:

- Drink more liquid than you think you need and avoid alcohol
- Wear loose, lightweight clothing and a hat
- Replace salt lost from sweating by drinking fruit juice or sports drinks
- Avoid spending time outdoors during the hottest part of the day, from 11 a.m. to 3 p.m.
- Wear sunscreen; sunburn affects the body's ability to cool itself
- Pace yourself when you run or otherwise exert your body

# SILICON VALLEY CLEAN WATER

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SILICON VALLEY CLEAN WATER  
INVESTMENT LISTING  
May 31, 2017

Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
<b>Annual OPS and CAP Budget Reserve</b>								
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA+	07/01/2017	4.300%	1.51	50,000	50,114	50,706	754
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	1.79	40,184	40,458	41,628	724
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2020	5.000%	1.92	57,329	59,201	60,483	1,137
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.47	60,000	61,365	62,204	899
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.62	30,000	29,735	30,417	483
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/08/2017	5.400%	0.79	50,000	50,049	51,131	397
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.17	85,000	85,854	86,877	1,004
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/09/2017	1.125%	0.72	100,000	100,004	100,213	717
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/17/2018	1.950%	1.25	100,000	100,894	101,440	1,256
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.039%	0.91	50,000	50,072	49,959	456
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.22	125,000	128,385	129,480	1,562
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.43	50,000	53,060	53,165	760
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/13/2019	4.500%	1.46	100,000	106,856	108,206	1,556
FEDERAL HOME LN MTG CORP	AA+	07/25/2017	1.000%	1.01	50,000	50,004	50,035	503
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.48	30,000	30,030	30,440	445
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.60	30,000	29,891	30,311	478
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.64	30,000	29,705	30,323	487
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.28	60,000	60,307	60,686	773
FEDERAL NATL MTG ASSN GTD REMIC	NR	09/25/2019	2.171%	1.72	150,000	151,582	151,969	2,601
FEDERAL NATL MTG ASSN	AA+	09/25/2020	1.750%	1.66	100,000	100,226	100,822	1,665
FEDERAL HOME LN MTG CORP MULTICLASS	NR	11/25/2019	1.869%	1.61	130,000	130,575	129,817	2,107
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.31	30,000	30,258	30,506	398
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.40	30,000	29,880	30,194	418
FEDERAL HOME LN MTG CORP MULTICLASS	N.A.	04/15/2020	4.000%	1.85	30,308	30,791	31,217	570
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2019	5.500%	1.85	44,752	46,094	47,325	853
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	03/01/2020	5.500%	1.72	21,282	21,462	22,053	369
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2020	5.000%	1.93	27,252	28,206	28,768	544
GNMA II PASSTHRU CTF POOL #003421	N.A.	08/20/2018	4.500%	1.94	12,979	13,007	13,598	252
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.449%	1.36	75,000	75,153	74,771	1,021
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.31	50,000	51,051	51,280	669
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.38	25,000	25,391	25,583	350
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.28	50,000	51,139	51,588	653
SAN LUIS ARIZ PLEDGED EXCISE T REV	N.A.	07/01/2017	2.000%	1.76	50,000	49,992	50,000	878
SMALL BUSINESS ADMIN GTD LN POOL	N.A.	02/25/2019	3.825%	2.79	34,939	35,179	36,254	981
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.54	50,000	50,276	50,076	775
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	1.45	50,000	50,137	49,640	727
WELLS FARGO & CO NEW SR GBLB NT	A+	12/11/2017	5.625%	1.44	50,000	51,061	51,986	736
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.29	80,000	79,631	80,000	1,026
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	1.65	100,000	98,725	100,049	1,633
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	2.06	100,000	102,453	105,211	2,115
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.08	100,000	102,429	104,828	2,128
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.64	110,000	116,938	118,630	1,912
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.54	80,000	80,001	80,000	1,234
FEDERAL HOME LN MTG CORP	AA+	10/28/2019	1.625%	1.61	220,000	219,765	219,923	3,538
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.04	60,000	59,977	60,000	1,224
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.07	40,000	40,003	40,000	826
FEDERAL HOME LN MTG CORP	AA+	10/25/2019	1.600%	1.60	80,000	79,898	80,000	1,279
FEDERAL HOME LN MTG CORP	AA+	12/28/2020	2.000%	1.97	80,000	80,015	80,000	1,580
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.62	80,000	80,007	80,000	1,299
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	1.64	150,000	149,870	150,000	2,453
CASH & EQUIVALENTS	-	-	-	0.69	-	65,255	65,255	450
<b>Annual OPS and CAP Budget Reserve Total</b>						<b>\$ 3,492,410</b>	<b>\$ 3,519,042</b>	<b>\$ 53,656</b>





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Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated
								Annual \$ Yield Earnings
FEDERAL HOME LN MTG CORP	AA+	10/25/2019	1.600%	1.60	120,000	119,848	120,000	1,919
FEDERAL HOME LN MTG CORP	AA+	12/28/2020	2.000%	1.97	120,000	120,023	120,000	2,369
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.62	80,000	80,007	80,000	1,299
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/05/2021	2.190%	2.18	120,000	120,007	120,000	2,619
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	1.64	220,000	219,809	220,000	3,598
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.01	220,000	220,000	220,000	4,411
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.15	220,000	219,925	219,505	4,733
CASH & EQUIVALENTS	-	-	-	0.71	-	365,684	365,684	2,596
<b>Capital Improvement Program Reserve Total</b>						<b>\$ 15,922,714</b>	<b>\$ 16,058,804</b>	<b>\$ 265,237</b>
<b>Stage 2 Capacity Reserve</b>								
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.42	100,000	103,703	103,885	1,471
CEDAR PARK TEX CTFB OBLIG TAXABLE	AA	08/15/2018	5.280%	1.54	50,000	52,080	52,469	802
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.75	75,000	80,155	80,567	1,402
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA+	07/01/2017	4.300%	1.51	100,000	100,227	101,411	1,508
CONOCOPHILLIPS NT	BBB+	05/15/2018	5.200%	1.58	50,000	51,677	51,784	816
COOKEVILLE TENN GO INDUSTRIAL AND	N.A.	06/01/2017	3.000%	-	100,000	100,000	100,904	-
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	1.99	52,127	53,537	54,962	1,065
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	11/01/2020	4.500%	1.80	47,330	48,501	49,342	873
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.47	100,000	102,275	103,674	1,498
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.62	100,000	99,118	101,391	1,609
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/29/2018	0.875%	1.24	100,000	99,566	100,107	1,231
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	05/15/2018	4.500%	1.25	100,000	103,272	103,088	1,293
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/29/2017	4.750%	1.28	250,000	253,180	254,690	3,243
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/28/2018	4.780%	1.34	55,000	57,602	57,709	771
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/08/2017	2.250%	1.24	250,000	250,700	251,623	3,104
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.62	60,000	62,468	62,914	1,010
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.17	100,000	101,005	102,208	1,181
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/09/2017	1.125%	0.72	100,000	100,004	100,213	717
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	1.37	200,000	200,532	200,000	2,755
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.039%	0.91	50,000	50,072	49,959	456
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.42	50,000	53,985	54,418	769
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.22	75,000	77,031	77,688	937
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.43	100,000	106,120	106,330	1,520
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.51	125,000	133,893	133,931	2,015
FEDERAL HOME LN MTG CORP	AA+	07/25/2017	1.000%	1.01	100,000	100,007	100,070	1,005
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.44	100,000	100,509	102,006	1,444
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.48	100,000	100,099	101,466	1,483
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.60	100,000	99,638	101,038	1,593
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.62	175,000	176,691	179,379	2,862
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.64	100,000	99,017	101,077	1,624
FEDERAL NATL MTG ASSN	AA+	01/14/2019	3.275%	1.40	100,000	103,223	103,404	1,444
FEDERAL HOME LN MTG CORP MULTICLASS	NR	10/25/2020	2.788%	1.63	66,704	67,727	68,372	1,101
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.30	250,000	261,033	261,276	3,388
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.31	100,000	100,861	101,685	1,325
FEDERAL HOME LN MTG CORP	AA+	08/01/2019	1.250%	1.36	100,000	99,687	101,099	1,360
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.40	100,000	99,599	100,645	1,393
FEDERAL HOME LN MTG CORP	AA+	04/09/2018	0.750%	1.21	100,000	99,629	99,836	1,206
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	2.64	200,000	202,396	213,313	5,343
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2020	4.000%	1.90	76,849	79,812	80,523	1,516
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	1.93	212,093	224,911	235,290	4,341
GARNER N C GO PUB IMPT BDS TAXABLE	AA+	02/01/2018	3.050%	1.55	50,000	50,460	50,791	783
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.449%	1.36	100,000	100,204	99,695	1,362
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.31	100,000	102,102	102,559	1,338
JPMORGAN CHASE & CO SR NT	A-	03/01/2021	2.550%	2.33	50,000	50,382	51,073	1,171
LANCASTER CNTY NEB SCH DIST NO SCH	AA	01/15/2021	4.550%	2.45	50,000	53,730	55,181	1,319
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.38	50,000	50,783	51,165	700

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Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
NORFOLK VA GO CAP IMPT BDS 2010 B	AA	03/01/2019	4.650%	1.90	100,000	104,769	105,244	1,992
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.28	100,000	102,278	103,176	1,306
SAN LUIS ARIZ PLEDGED EXCISE T REV	N.A.	07/01/2017	2.000%	1.76	100,000	99,984	100,000	1,757
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.39	200,000	205,362	206,530	2,852
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.54	100,000	100,551	100,151	1,550
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	1.45	50,000	50,137	49,640	727
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.44	100,000	102,122	103,971	1,472
XTO ENERGY INC SR NT	AA+	06/15/2018	5.500%	1.48	100,000	104,169	106,117	1,544
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.29	200,000	199,078	200,000	2,566
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	11/01/2019	1.200%	1.65	100,000	98,725	100,049	1,633
BANK NEW YORK MTN BK ENT FR	A+	11/21/2020	2.450%	2.07	150,000	151,590	154,473	3,130
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	2.05	150,000	152,415	155,595	3,131
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.05	100,000	98,501	100,127	2,020
FEDERAL HOME LN MTG CORP	AA+	08/25/2021	1.250%	1.94	90,000	88,889	90,000	1,724
METRO WASTEWTR RECLAMATION DIS REV	AA+	04/01/2019	4.718%	1.80	100,000	105,739	107,178	1,903
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.64	55,000	58,469	59,315	956
FEDERAL HOME LN MTG CORP	AA+	03/30/2021	1.500%	1.72	60,000	58,601	60,000	1,008
FEDERAL HOME LN MTG CORP	AA+	09/30/2021	1.050%	2.40	100,000	98,094	99,900	2,349
FEDERAL NATL MTG ASSN	AA+	09/30/2019	1.250%	1.44	60,000	59,661	59,985	861
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	1.91	60,000	59,863	60,000	1,145
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.80	100,000	99,976	100,000	1,801
FEDERAL HOME LN MTG CORP	AA+	10/28/2019	1.625%	1.61	200,000	199,786	199,930	3,217
FEDERAL NATL MTG ASSN	AA+	08/24/2020	1.875%	1.85	250,000	250,033	250,000	4,636
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2022	2.030%	2.04	80,000	79,969	80,000	1,631
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.07	60,000	60,004	60,000	1,239
FEDERAL HOME LN MTG CORP	AA+	10/25/2019	1.600%	1.60	380,000	379,517	380,000	6,076
FEDERAL HOME LN MTG CORP	AA+	12/28/2020	2.000%	1.97	310,000	310,059	310,000	6,121
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.62	40,000	40,004	40,000	649
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/05/2021	2.190%	2.18	280,000	280,017	280,000	6,110
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/05/2022	2.240%	2.22	120,000	120,016	120,000	2,667
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.01	150,000	150,000	150,000	3,008
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.15	150,000	149,949	149,663	3,227
CASH & EQUIVALENTS	-	-	-	0.71	-	142,871	142,871	1,014
<b>Stage 2 Capacity Reserve Total</b>						<b>\$ 9,224,397</b>	<b>\$ 9,300,121</b>	<b>\$ 148,170</b>
<b>Subtotal, Bank of the West</b>						<b>\$ 28,639,521</b>	<b>\$ 28,877,967</b>	<b>\$ 467,062</b>
<b>California Local Agency Investment Fund</b>		LAIF	-	0.925		<b>\$ 2,950,202</b>	<b>\$ 2,950,202</b>	<b>27,289</b>
<b>TOTAL UNRESTRICTED INVESTMENTS</b>						<b>\$ 31,589,723</b>	<b>\$ 31,828,169</b>	<b>\$ 494,352</b>
<b>Bank of New York (Trustee)</b>								
2008 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-		11	11	-
2008 Revenue Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-		4	4	-
2008 Interest Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-		4,329	4,329	-
2009 Reserve Account - Federal National Mortgage Assn 313G3Q73	Aaa	7/26/2019	1.150%	1.16	4,744,389	4,744,389	4,780,000	55,035
2009 Reserve Account - BMW BK North Amer Salt Lake 05580ACK8	Aa	7/24/2019	2.000%	1.98	151,534	151,534	150,000	3,000
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-		71,244	71,244	-
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-		62,656	62,656	-
2009 Revenue FD Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-		534	534	-
2014 Revenue Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-		425	425	-
2014 Revenue Account - Cash	-	-	0.000%	-		2	2	-
2014 Interest Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-		13	13	-
2014 Principal Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-		7	7	-
2014 Project Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-		3,256	3,255	-
2014 Project Account - Cash	-	-	0.000%	-		14	14	-
2014 COI Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-		5,135	5,133	-
2014 COI Account - Cash	-	-	0.000%	-		22	22	-
2015 Project Account - LAIF	-	-	0.000%	0.925		2,795,802	2,073,802	25,861
2015 Project Account - JP Morgan Prime MMKT Instl X9USDJPMP	-	-	0.000%	-		-	-	-
2015 Project Account - Cash	-	-	0.000%	-		190	190	-
2015 Revenue Account - JP Morgan Prime MMKT Instl X9USDJPMP	-	-	0.000%	-		163	163	-
2015 Revenue Account - Cash	-	-	0.000%	-		-	-	-

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<u>Broker/Dealer</u>	<u>Investment Name</u>	<u>Composite Credit</u>	<u>Maturity</u>	<u>Coupon Rate</u>	<u>Yield to Maturity</u>	<u>Par Value</u>	<u>Market Value</u>	<u>Cost</u>	<u>Estimated Annual \$ Yield Earnings</u>
	2008 Escrow Account - United States Treasury Notes 912828NR7	Aaa	7/31/2017	2.375%	2.37		7,509,100	7,715,749	177,966
	2008 Escrow Account - Cash		-	0.000%	-		581	581	-
	2009 Escrow - United States Treasury 912828XP0	Aaa	7/31/2017	0.625%	0.63		596,797	596,728	3,760
	2009 Escrow - United States Treasury 912828UJ7	Aaa	1/31/2018	0.875%	0.88		597,832	599,629	5,261
	2009 Escrow - Resolution Funding Corp Interest Strip 76116EFS4	Aaa	7/15/2018	0.000%	-		333,234	329,183	-
	2009 Escrow - United States Treasury 912828VQ0	Aaa	7/31/2018	1.375%	1.37		263,494	265,978	3,610
	2009 Escrow - United States Treasury 912828B33	Aaa	1/31/2019	1.500%	1.49		605,448	610,349	9,021
	2009 Escrow - Tunisia Government Aid Bonds 066716AG6	Aaa	7/16/2019	1.686%	1.72		39,670,738	40,944,692	682,337
	2009 Escrow - Cash		-	0.000%	-		2,626	2,626	-
	Subtotal, Bank of New York (Trustee)						\$ 57,419,583	\$ 58,217,319	\$ 965,851
	Less Amounts held in Escrow for 2008 and 2009 Bond Defeasance						\$ (49,579,851)	\$ (51,065,514)	\$ (881,954)
	Net Total, Bank of New York (Trustee)						\$ 7,839,732	\$ 7,151,805	\$ 83,896
	Uninvested Operating Cash						388,805	388,805	-
	<b>TOTAL CASH &amp; INVESTMENTS, UNRESTRICTED AND WITH TRUSTEE</b>						<b>\$ 39,818,259</b>	<b>\$ 39,368,779</b>	<b>578,248</b>
							<i>Weighted Average Yield to Maturity %</i>		<i>1.45%</i>

Summary by Investment Type:	Market Value
US Treasuries	\$ 138,778
Agencies	26,433,794
Commercial Paper / Corporate Bonds	2,503,377
Municipal Bonds / Notes	4,024,463
Money Market / Certificates of Deposit	971,843
Local Agency Investment Fund	5,746,004
<b>TOTAL</b>	<b>\$ 39,818,259</b>

Summary by Purpose / Restriction Level	Market Value
Working Capital	\$ 3,339,006
Operations & Capital Budget Reserve	3,492,410
Capital Improvement Program Reserve	15,922,714
Stage 2 Capacity Reserve	9,224,397
Debt Reserve	5,043,577
Debt Proceeds	2,796,155
<b>TOTAL</b>	<b>\$ 39,818,259</b>

Summary by Liquidity:	Market Value
0-1 years	\$ 14,646,696
1-2 years	4,294,081
2-3 years	13,397,408
3-5 years	7,480,074
<b>TOTAL</b>	<b>\$ 39,818,259</b>

SVCW has sufficient liquid resources available to meet expenditure requirements per SVCW's investment policy. All SVCW investments are in compliance with SVCW's Investment Policy.

  
M. Anderson

**ENGINEERING REPORT: JUNE 2017  
CAPITAL IMPROVEMENT PROGRAM IMPLEMENTATION**

**Menlo Park Pump Station Project (7004) and Redwood City Pump Station Project (7005):** Rehabilitate the Menlo Park Pump Station and replace the Redwood City Pump Station

These two pump station projects are scheduled with construction phases overlapping the Gravity Pipeline and Front of Plant Projects so that operation can occur when these projects are complete. The Menlo Park Pump Station will be rehabilitated within the existing pump station structure. In Redwood City, a new pump station will be constructed directly adjacent the existing pump station.

Planned Commission Actions: Approve Predesign Task Orders – August 2017

**Front of Plant Site Civil Project (6004):** Prepare Front of Plant site for RESCU Program by stabilizing the soil and providing roads and utilities.

This is the first construction project of the RESCU program. Freyer & Laureta completed the design for this project, which includes lime stabilization of the soil and grading at the front of the plant. It also adds a new access road and employee parking, lighting, and conduits for future utilities to support the construction. Teichert Construction was awarded the construction contract in June 2017.

Planned Commission Actions: Approve Engineering Services During Construction Task Order – July 2017

**CCT Concrete and Steel Protective Coating Replacement Project (9107):** Repair cracks and coat steel piping within the Chlorine Contact Tank.

An inspection of the first pass of the Chlorine Contact Tank indicated that the concrete inside the tank remains in good condition, apart from some cracks in the walls and ceiling that require repair. Additionally, there is some steel piping and valves within the tank that need to be re-coated.

Planned Commission Actions: Approve Construction Contract – July 2017

**Dual Media Filters 6A and 6B (9222):** Outfit the remaining two Dual Media Filters, including coatings, underdrain system, filter media, air scour equipment, and associated valves and piping.

The DMF 6A and 6B project will provide reliability for wet weather events; wet weather flows are sometimes diverted around the filters when storm flows reach approximately 60 to 65 MGD. Completion of this work will allow higher flow to be treated before it is necessary to divert some or all flow around the filters. The practice of diverting flow around the filters is currently allowed in SVCW's NPDES permit, but is expected to be eliminated in upcoming permits. This work will duplicate the systems already installed in the ten active filters. The construction work is being performed by ERS with design assistance from Kennedy/Jenks.

Planned Commission Actions: Accept Project – August 2017

**Effluent Pipeline Replacement Project (6012):** Replace the effluent pipeline from where it exits the main structure to where it enters the San Francisco Bay.

The pipeline taking treated effluent to the bay for final discharge was found to be leaking and a project was awarded to Power Engineering to replace the pipeline in June 2015. Work has been ongoing since that time.

A method to protect the connection between the plant main structure and the HDPE pipeline needed to be designed as the project progressed, as it was not determined at the time the original project cost was developed. A change order was negotiated with the contractor to place a concrete bridge around the connection point to protect the pipe from unnecessary loads. Work is nearing completion on this critical project.

Planned Commission Actions: Accept Project – August 2017

**Thickening Improvements – Phase 1 (9168):** Procure and install two rotary drum thickeners to thicken primary sludge.

The SVCW plant is currently being operated with one gravity thickener (of the original four). In September 2015, the Commission authorized a task order for the design of the rehabilitation of the thickeners. The construction cost estimate provided by the designer exceeded the budget of the project, so it was deferred. The decision was made to run the existing thickeners until near-failure and then replace them with rotary drum thickeners. The gravity thickeners experienced a significant failure in February 2017. At the March 2017 meeting, the Commission authorized purchase of two rotary drum thickeners; these have been ordered and are in the process of being manufactured. The Rotary Drum Thickeners will also be used to facilitate future recuperative thickening of the digester contents to improve digester volatile solids destruction resulting in increased digester gas production.

Simultaneous with the manufacturing of the RDTs, the construction and installation contract documents are being completed for public bid.

Planned Commission Actions: Approve Installation Contract – September 2017

**Gravity Pipeline (6008) and Front of Plant Projects (6013, 6014, 9160):** Deliver these two RESCU projects using a Progressive Design Build delivery method.

In January 2016, the Commission approved a policy outlining procedures for using the Design-Build method for project delivery. The Commission also provided direction to staff to prepare an RFQ for wastewater treatment plant projects that are good candidates for the design-build method of project delivery. Task orders were presented at the January 2017 Commission meeting for approval of Owner's Advisor (OA) services to prepare Requests for Qualifications (RFQs) and Requests for Proposals (RFPs) for Progressive Design-Build (PDB) delivery of two of the Conveyance System Projects. The RFQs were released, three proposing firms shortlisted for both projects and the RFPs have been issued to the shortlisted firms. It is expected that PDB entities will be selected in October 2017.

Planned Commission Actions: Approve PDB Entity Selection and Phase 1 Contracts – October and November 2017

**Wastewater Treatment Plant Improvements Phase 2 (9186, 9189, 9084, 9120, 9197, 9224):** Rehabilitation and/or replacement of six treatment plant mechanical processes.

Staff has submitted an application to the State Water Resources Control Board to obtain a loan for a number of wastewater treatment plant improvements. Previously, a SRF loan was obtained for Phase 1 of the WWTP improvements; the currently submitted projects comprise Phase 2. SVCW staff are pursuing alternative funding sources which may be needed if SRF funds are not appropriated. Six projects within Phase 2 would benefit by using the Design-Build process for implementation. To that end, a task order scope and budget was negotiated with an SVCW consultant to provide Owner's Advisor services. Preliminary design is underway, and it is expected that an RFQ will be completed in November 2017.

Planned Commission Actions: Approve Procurement Documents – January 2018  
Authorize Issuance of RFQ – January 2018

**SVCW Capital Improvement Program  
Actual Expenditure vs. Plan  
Through May 31, 2017**

<b>Project Phase</b>	<b>Project Count</b>	<b>Amended 2015 CIP Update</b>	<b>Actual Spent thru May 2017</b>	<b>\$ Unspent/ Remaining</b>	<b>% Unspent/ Remaining</b>
Completed	103	\$ 139,194,565	\$ 137,321,505	\$ 1,873,060	1.3%
In Construction	29	76,180,429	64,627,737	11,552,693	15.2%
Planning & Design	35	461,278,096	28,387,841	432,890,255	93.8%
Other	33	136,485,980	5,606,396	130,879,584	95.9%
<b>TOTAL</b>	<b>200</b>	<b>* \$ 813,139,071</b>	<b>\$ 235,943,478</b>	<b>\$ 577,195,592</b>	<b>71.0%</b>

\* Consistent with the January 2017 Long Range Financial Plan, project cost estimates were increased by the construction cost index as provided by Engineering News Record.



**SVCW Capital Improvement Program  
CIP Project Status - COMPLETED**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Complete	6001	48-inch Force Main Reliability Improvement	Replace the entire length of 48-inch diameter section of force main from RCPS to SCPS. This project incorporated CIP #6005 which was deleted in the CIP Update.	\$ 2,539,400	\$ 43,060,000	\$ 40,000,000	\$ 41,204,050
Complete	6002	Conveyance System Master Plan (CSMP)	Planning for replacement and/or repair of force main and all five pump stations, including screening at the treatment	1,250,000	2,386,483	2,374,494	0
Complete	7010	Pump Stations Preliminary Design and CEQA	Prepare preliminary design (up to 30% design) for all pump station work including support for CEQA and SRF loan	-	3,000,000	3,128,769	3,083,328
Complete	7013	Pump Stations Secondary Communications	Provide secondary communications for remote monitoring and control	-	-	51,900	33,289
Complete	8001	Central Data Acquisition Unit PLC System Upgrade	Central Data Acquisition Unit PLC System Upgrade; Replacement for Automation Program.	127,700	32,592	32,592	25,220
Complete	8002	Auto-reset of Effluent Pumps	Remote reset of effluent pumps after a power outage.	38,900	15,266	15,266	-
Complete	8003	Disinfection Area SCADA	Tie-in disinfection area to the SCADA network in conjunction with Hypochlorite project (9015)	16,100	-	-	-
Complete	8004	Install SCADA Servers	Purchase and install and program independent servers for SCADA use only.	170,200	163,002	91,040	91,040
Complete	8005	Install MCC PLC	Installation of MCC PLC in support of the Automation	214,900	209,226	209,225	202,370
Complete	8006	Turbine #1A-4B Air Flow Monitor	Combined with Activated Sludge Automation (CIP 8017)	160,900	-	-	-
Complete	8008	Aeration Basins #1-4 Motorized Effluent Gate Controls	Combined with Activated Sludge Automation (CIP 8017)	201,100	-	-	-
Complete	8009	Aeration Basins #1-4 Mudvalve Operation	Combined with Activated Sludge Automation (CIP 8017)	80,500	-	-	-
Complete	8010	WAS Flow Controls	Combined with Activated Sludge Automation (CIP 8017)	20,200	-	-	-
Complete	8011	RAS Pump #1-6 Speed Adjust	Combined with Activated Sludge Automation (CIP 8017)	360,600	-	-	-
Complete	8012	Secondary Clarifier Inner / Outer Gates Motorized Controls	Combined with Activated Sludge Automation (CIP 8017)	80,500	-	-	-
Complete	8013	WAS Pump #1-4 Speed Adjust	Combined with Activated Sludge Automation (CIP 8017)	244,400	-	-	-
Complete	8015	CCT Weir Sluice Gate Operator	Combined with Activated Sludge Automation (CIP 8017)	128,500	-	-	-
Complete	8017	Activated Sludge Process Automation (Aeration and Secondary Clarifiers).	Combine automation projects for processes related to Activated Sludge; this project is complete. Automates the activated sludge process.	4,411,400	8,428,965	7,474,051	7,473,607
Complete	8019	Aeration Basin Gate Actuators	Combined with Activated Sludge Automation (CIP 8017)	278,836	6,569	6,569	-
Complete	8020	Aeration Basin #1-4 Inlet Gate Controls	Combined with Activated Sludge Automation (CIP 8017)	80,500	-	-	-
Complete	8022	SCADA Process Graphics on Information Management System	Enable SCADA view and data across IMS Network to allow data views from remote locations (offsite)	103,500	107,041	62,936	62,936
Complete	8026	Septic System (Grease Receiving) Auto Controls and Level Measurement	Automatic controls tied into SCADA system for monitoring grease receiving station operation. Expenditures charged to CIP #9021	47,600	19,019	-	5,327
Complete	8027	Drying Bed Feed Flow Measurement	Install a new magnetic flow meter for measuring the amount of sludge discharged to drying beds.	54,100	6,232	6,232	0
Complete	8037	Automation System Integration - Bond Funded	Pulls out global automation programming tasks being completed by B&V into SRF or Bond funded categories.	-	620,260	646,883	637,048
Complete	9005	Primary Scum Grinders	Purchase and install 3 new grinders. Work was completed in house and via maintenance budget.	265,700	-	-	-
Complete	9006	Purchase Integrated Tool Vehicle	Eliminate need for rental. Purchase vehicle to facilitate access to decks with large equipment	104,000	79,502	81,992	81,992
Complete	9008	Centrifuge Motor Drive Replacement	Replace motor drive on centrifuge.	161,500	71,808	71,808	(0)
Complete	9010	Real-time Wind Direction Information	Monitor wind direction & speed; download to SCADA. Use for odor complaint documentation. Project complete.	19,000	1,633	1,633	-
Complete	9011	Portable Trash Pump	Replaces need to rent portable pump in response to flooding, overflows, and routine dewatering. Trailer-mounted, diesel driven 6" pump. Project complete.	-	-	37,859	37,859
Complete	9012	Digester #3 Rehabilitation and Upgrade	Repair digester for use as a primary digester. Clean digester, repair dome and skirt, slip-line bottom mix line.	1,811,400	3,415,426	3,792,600	3,792,600
Complete	9013	Waste Gas Burner Rehabilitation	Rehabilitate existing burners, including pilot and air flow monitoring equipment. Air permit required. Complete before re-roofing SHB	999,800	649,231	726,141	725,594
Complete	9016	High Pressure Air Piping and Instrument Air	Replace galvanized piping throughout the Plant used for compressed air delivery.	273,000	474,200	468,552	468,552
Complete	9018	Recycled Water For In-Plant Use	Utilize recycled water for sprinkler system in new administration building as well as other in-plant uses.	807,300	556,934	585,790	585,790
Complete	9019	Bisulfite Injector System Improvements	Alternate dechlorination injection system for reliability improvement.	225,900	16,740	16,740	6,231
Complete	9021	Grease Receiving Station Reliability Improvements and Odor Control	Convert station to two pits, allowing for expanded volume storage. Improvements to controls, pumping, mixing.	320,200	1,698,002	1,730,417	1,730,417
Complete	9022	Existing Freight Elevator Modernization	Bring passenger and freight elevators up to modern standards; replaces controls. Passenger elevator deleted from this project and included with Administration/Plant Control Building project.	496,700	1,080,137	1,092,137	1,092,137

**SVCW Capital Improvement Program  
CIP Project Status - COMPLETED**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Complete	9023	Odor & Corrosion Control Master Plan	Address overall plant odor control and corrosion control needs.	148,500	95,182	95,182	-
Complete	9028	Laboratory Building Roof Rehabilitation	Rehabilitate laboratory building roof.	23,400	80,000	106,978	106,978
Complete	9029	Solids Handling Building Control Room HVAC/Scrubber	Air scrubbing to protect sensitive equipment, includes new breaker in (E) MCC, disconnect switch, conduit & wire for air handling unit.	473,400	349,334	390,681	390,764
Complete	9030	Secondary Clarifier Collector Drive Rehabilitation	Project complete. Work done in conjunction with	251,200	435,000	471,182	471,182
Complete	9032	Wireless Network Access Expansion	Extend wireless network throughout plant.	185,900	250,000	-	-
Complete	9035	Effluent Pipe Access Hatch	Install an access hatch to the effluent pipe to facilitate inspection, cleaning, and repairs.	215,300	215,300	123,508	123,508
Complete	9036	Primary Sludge Piping Rehabilitation	Combined with Bilge Pit and Pumping project (221)	136,300	541,152	559,131	559,131
Complete	9038	Moyno Progressive Cavity Pump Replacement	Replace all Moyno pumps throughout the plant; replacement parts no longer available.	814,600	-	-	-
Complete	9040	Digester #2 Cleaning	Clean D2; 1 digester every 5 years	269,100	162,630	162,630	162,630
Complete	9075	IMS System Equipment Replacement	Purchase replacement and additional servers for overall Plant computer information management system.	572,800	572,800	67,517	52,474
Complete	9076	Digester Mix Pump Rehabilitation	Rebuild one pump every three years; purchase a spare pump.	275,000	-	-	-
Complete	9095	Digester #2 Cover Repair	Scheduled repair and recoat of D2; expect to replace 15-20 years out	788,200	3,000,000	3,072,075	3,072,075
Complete	9099	Solids Handling Building HVAC Air Scrubber-Implementation	Implement odor and corrosion control for entire SHB	1,673,100	1,911,100	2,152,400	2,340,918
Complete	9101	Fresh Water Lagoon Cleaning	Clean fresh water lagoon to provide necessary volume for stormwater runoff.	1,123,200	711,618	795,845	795,845
Complete	9104	Septage Receiving Area Odor Control	2nd grease pump, in-line grinder and local control panel. Odor control pulls negative pressure in pit to eliminate foul odors. Delete and combine with 9021.	1,115,400	71,602	71,602	71,602
Complete	9106	Laboratory Information Management System (LIMS)	Plan and proceed with implementation of LIMS for laboratory data and process information.	490,100	156,939	116,083	152,667
Complete	9114	Historian Software	Software purchase and installation to facilitate historical tracking of SCADA data.	34,100	2,366	2,366	-
Complete	9124	Biosolids Master Plan	Master plan for handling, hauling and disposal/reuse of biosolids.	6,373,600	694,523	694,523	694,974
Complete	9125	Plant Service Road Resurfacing-Phase 1	Phase 1 of overall Plant resurfacing project; repairs or expansion of paved areas in anticipation of upcoming construction activities. Project complete. Transfer funds from 9131 to cover overage.	182,200	448,890	503,138	503,138
Complete	9154	Cogeneration Engine Replacement	Upgrade cogeneration engine to enable full utilization of biogas produced.	7,227,900	10,005,000	13,500,000	17,554,800
Complete	9155	Natural Gas to Plant	Pipe natural gas from front entrance to enable its use as fuel blending for the cogeneration engines and in administration building.	181,500	401,042	419,640	419,640
Complete	9156	Administration and Plant Control Building Replacement	Build a new administration and control building at existing location.	11,408,900	20,000,000	21,247,355	21,236,430
Complete	9157	Solids Handling Building Roof Replacement	Replace the roof on SHB; leaks occurring.	226,200	70,203	70,203	70,203
Complete	9163	Demolition of Abandoned Equipment in Solids Handling Building	Demolish/remove equipment in SHB that has not been in operation for over 25 years.	-	1,469,383	1,557,091	0
Complete	9167	Boiler Replacement	Replace boilers due to age and undersized for future use. Includes replacement of piping. Project is being constructed as a CCO to the Cogen Project.	-	400,000	108,050	-
Complete	9178	Levee Repair behind Warehouse	Levee leaks when the stormwater retention basin fills to a certain level; this project repairs the levee.	-	375,000	10,782	-
Complete	9179	Pretreatment Program Sample Room	Provide a wet lab receiving area for source control to prepare samples prior to analysis and also storage of equipment.	-	389,000	575,000	633,142
Complete	9180	Maintenance Shop Reconfiguration	Reconfigure maintenance spaces that have been displaced by other projects.	-	1,372,800	228,038	280,541
Complete	9183	Stage 1 Screening at Plant Influent	Construct a screening facility at influent end of plant. Originally to be funded partially via CIP and partially from Operating budget in approximately 25/75 split.	-	858,000	4,844,000	4,217,215
Complete	9193	T1 and T2 Replacement	Replace Transformers T1 and T2. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	1,029,600	-	-
Complete	9194	T3 Replacement	Replace Transformer T3. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	514,800	-	-
Complete	9195	Wetside Power	Installs new PDP-2 and replaces old transformers, T1, T2, and T3. Adds new T4. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	1,716,000	111,831	-
Complete	9198	Hot Water Piping Improvements - Phase I	Provide pumps and piping to allow the hot water loop to serve the new Plant Control and Lab Buildings.	-	171,600	31,738	-

**SVCW Capital Improvement Program  
CIP Project Status - COMPLETED**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$)	2013 CIP Update (2010 \$)	2015 CIP Update (2015 \$)	Actual Spent thru May 2017
Complete	9199	Hot Water Piping Improvements - Phase II	Add primary and secondary pumping to connect new cogeneration engines to the Plant hot water loop. Do work as CCO to 9154, Cogen. Transfer project budget	-	669,200	1,542	-
Complete	9202	DMF Valve Replacement	Replace old valves in the DMF gallery. Valves are high in the air and scaffolding will be required for access.	-	915,749	962,654	997,139
Complete	9205	1406 Radio Road Property Improvements	Provide for general improvements at the newly purchased property at 1406 Radio Road	-	1,135,000	234,666	234,666
Complete	9207	Maintenance Building Roof Replacement	Replaces the roof atop the maintenance building, including drainage improvements at the electrical room	-	18,749	18,949	-
Complete	9208	Solids Handling Building Demolition and Improvements - Phase II	Ready the SHB for new Cogeneration and dewatering equipment, and seismic bracing and column repairs. Do project in conjunction with CIP #9099.	-	1,900,000	2,759,901	2,772,117
Complete	9216	3W System Improvements	Make improvements to Plant Water system to assure adequate flow to all processes	-	171,600	314,600	312,088
Complete	9127	PEC & PST 1 & 2 Protective Coatings	Do SSC #3 with CIP #9014; also replace SSC drive.	-	-	946,092	946,092
Complete	8032	Final Effluent Pumping Control System (FEP) Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and best practices dictate decoupling controls from other distinct process systems for reliability. Add new SCADA View at existing FEP Platform. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	179,025	179,025	179,025
Complete	8033	Dechlorination Control System Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and best practices dictate decoupling controls from other distinct process systems for reliability. Move new Dechlor Control Panel and the SCADA View above flood line to the newly provided platform at RAS/WAS gallery. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	179,026	179,026	179,026
Complete	8034	Tertiary Filter Feed Pump Control System Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and, best practices dictate decoupling controls from other distinct process systems for reliability. Add new SCADA View to the existing platform. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	224,130	224,130	224,130
Complete	8035	Chlorination Control System Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and best practices dictate decoupling controls from other distinct process systems for reliability. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	185,478	185,479	185,479
Complete	9007	Industrial Roll-up Doors for Warehouse	Combine with CIP #9132. Project complete	21,700	19,664	19,664	19,664
Complete	9077	Engine Generator #4 Complete Rebuild	Rebuild top end (valve job and associated parts; needed every 20,000 hrs) and lower end (cam shaft, main and rod bearings, rods, pistons and liners and ancillary parts and pieces; needed every 40,000 hrs).	561,000	246,213	246,212	246,212
Complete	9098	Shipping and Receiving Trailer	Combine with CIP #9132. Project complete	34,700	-	-	-
Complete	9119	RAS Discharge Line 36" Butterfly Valve Replacement	Project Completed w/CIP #8017; Replace existing 36-inch butterfly valve with a knife gate valve to resolve ragging problem.	143,200	-	-	-
Complete	9132	Storage and Purchasing Warehouse	Construct a new warehouse for secure storage of supplies, material, and equipment. Construct offices for Purchasing department staff. Replace existing warehouse siding and skylights. Install two new roll-up doors and one double door.	430,700	994,655	1,001,862	1,001,862
Complete	9150	Odor & Corrosion Control Program - General Support	Work completed to date satisfactory for moving forward. Provides support and funding for general requirements of projects contained within the Odor & Corrosion Control Program.	-	100,000	75,450	75,450
Complete	9153	High Pressure Pump Safety Cutout Switch Replacement	Work completed in-house. Project Complete.	28,700	11,233	11,233	-

**SVCW Capital Improvement Program  
CIP Project Status - COMPLETED**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Complete	9161	Digester #3 Cleaning	Combine w/CIP #9012; Clean Digester #3 to facilitate effective solids treatment and provide access for Digester #3 Rehabilitation and Upgrade project (CIP 9012). Includes purging of Digester #1, screened transfer of contents from Digester #3 to Digester #1, and disposal of screenings and Digester #3 residual contents.	-	-	-	-
Complete	9162	Digester Mix System Improvements	Combine w/CIP #9012; Replace three existing Digester Mixing Pumps with three screw centrifugal pumps and one spare to improve pumping and digester operation and reduce maintenance. The work is included with the Digester #3 Rehabilitation and Upgrade Project (CIP 9012).	-	-	-	-
Complete	9166	Digestion System Enhancements	Combine w/CIP #8021 and transfer budget. Upgrade existing digestion system to allow enhanced operation with three primary digesters in service. Enhancements include a third heat exchanger and replacement of the aging sludge recirculation pumps for all three digesters.	-	-	-	-
Complete	9182	Property Acquisition	Per Engin 7/16, Transfer costs to Proj 264	-	2,540,000	2,540,000	-
Complete	9191	Cathodic Protection at WWTP	This project replaces the worn out Plant rectifier for cathodic protection on the influent and effluent pipes. Delete project from CIP; work done in house.	-	130,000	-	-
Complete	9201	Dimminutor procurement and installation	Purchase and install 2 dimminutors for each MPPS and SCPS. Purchase 1 spare for emergency installation. Budget allocated out of 9152	-	334,814	374,323	374,442
Complete	9203	Central Chillers Replacement	Existing Chillers 1 and 2 are undersized and have reached the end of their useful lives and provide no redundancy. Chiller #1 has stopped functioning and is no longer serviceable. This project replaces the two chillers with three new chillers, providing one for redundancy and greatly enhancing reliability. Budget allocated out of 9152	-	996,448	1,109,003	1,109,003
Complete	9204	MPPS Concrete Repair	Severe corrosion and spalling concrete have been witnessed at the Menlo Park Pump Station, compromising the integrity of the structure and posing a safety hazard to SBSA Utility Workers. This project will also remove the chemical storage tanks, piping, and pumps that are no longer used. Budget allocated out of 9152	-	68,155	68,155	68,155
Complete	9211	Secondary Clarifier 6" Water Line Replacement	Replace the 6-inch water line situated on the eastern wall of the secondary clarifiers under the Activated Sludge Automation project. Project pulled from CIP #9152.	-	70,000	59,496	59,496
Complete	9213	Area Lighting	Replacement of Plant area lighting to LED lights by in-house staff and broken out from CIP #9152.	-	56,000	55,547	68,415
Complete	9227	Sodium Bisulfite Tank Alarms & Controls	Provide additional level indicating device, alarms for chemical loading, and controls for heat trace equipment. Currently the 4 tank system has only a single LIT; for safety and critical process control, a redundant LIT is needed. Project will also install visual and audible alarms.	-	-	-	-
Complete	9801	12 kV Primary Switchgear Replacement	Replace primary switchgear due to existing one's obsolescence. Project includes full enclosure and SCADA connection, cabling to T1&T2. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,152,470	3,188,875
Complete	9802	Motor Control Center P-1,2,3, &4 Replacement	Replace all main Motor Control Center Panels P1 through P4 which have reached the end of their useful lives. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,130,760	3,160,662
Complete	9803	Electrical System Redundancy	Replace Power Distribution Panels PD1 and PD2 due to obsolescence. Includes tie-breakers for flexibility between T1 and T2. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,134,080	3,163,940
Complete	9805	Cogeneration System Connection to Primary Switchgear	Work completed under Power Reliability Improvements (9801 to 9804). Project Complete.	-	800,000	3,429	-
Complete	9804	Standby Power Upgrade	Install new standby bus for P1 through P5. Including new ATS's and cabling to P-6 and 2 new standby generators rated at 1MW each. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,412,623	3,506,324
<b>TOTALS - COMPLETED PROJECTS</b>				<b>\$51,504,236</b>	<b>\$126,514,271</b>	<b>\$139,194,565</b>	<b>\$137,321,505</b>

**SVCW Capital Improvement Program  
CIP Project Status - IN CONSTRUCTION**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update	Actual Spent thru May 2017
Constr	6003	Influent Force Main Emergency Repair	As-needed repairs if leaks in the influent force main occur.	\$ 2,145,000	\$ 3,645,000	\$ 3,840,157	2,751,562
Constr	6012	Effluent Pipeline and Outfall Reliability Improvement	Improve reliability of Effluent Pipeline and Outfall, which have historically experienced leaks	-	12,450,438	\$ 10,063,562	10,652,308
Constr	7012	Pump Stations Processor Upgrade & T-1 Transition for Primary Communications	Install new PLC processors for existing Pump Station Controls	-	-	\$ 298,151	88,163
Constr	8007	Primary Sedimentation Control System	Install basic PLC and Communication equipment, conduit and primary sensing devices for primary sedimentation tanks. Do as part of SPA project	3,245,100	2,899,640	\$ 5,455,000	6,269,121
Constr	8018	Gravity Thickener Process Automation	Install basic PLC and Communication equipment, conduit and primary sensing devices in thickener area. Part of SPA project.	2,105,800	4,285,314	\$ 6,255,000	7,788,844
Constr	8021	Anaerobic Digestion Process Automation	Automate digester process. Part of SPA project.	2,589,600	8,882,096	\$ 9,535,154	7,760,958
Constr	8023	SCADA/Auto Response to Plant Alarm Conditions	Planning and programming effort to maintain reliability while reducing labor demand. Requires Automation Program and Communications Upgrade to be completed.	1,446,700	1,255,286	\$ 744,749	226,449
Constr	8025	No. 3 Water Control System	Install basic PLC and Communication equipment, conduit and primary sensing devices for #3 water system.	111,700	225,000	\$ 231,430	44,006
Constr	8036	Automation System Integration - SRF Funded	Use funding for global automation tasks funded by SRF loan program	-	416,545	\$ 445,294	137,436
Constr	8038	Process Return Flow Meter and Sampler Installation	Install flow meters and samplers on small side streams to be able to monitor and track these flows. Project is being installed in-house.	-	357,500	\$ 382,370	184,564
Constr	9014	Process Tanks Concrete and Steel Protective Coatings Replacement	Replace coating in PEC and PST 1&2 (1st phase). Add FFR Wet Pit to project scope. Do with CIP #9127.	-	-	\$ 5,293,542	3,721,035
Constr	9015	Hypochlorite Dosing System Rehabilitation Automation	Replaces pipe, valves, pumps, manifold to allow chlorination for disinfection & odor control; work done in house. Current project replaces the two tanks with double-walled tanks.	372,900	1,350,000	\$ 820,044	616,146
Constr	9034	Electrical Conductor Replacement - MCC Room to Wetside/Dryside Loads	Multiple year project to replace old and corroded electrical cabling throughout the Plant.	4,903,500	2,400,000	\$ 2,791,033	308,844
Constr	9067	Dewatering Process Control System Upgrade	Work being completed under CIP #8021, SPA project. Adds new SCADA View at existing location, programming for cutover of new controls. Delete budget from this project.	108,400	-	\$ -	-
Constr	9080	Primary Sedimentation Tanks Collector System Replacement	Replace or rebuild collector drive system, including chains and filghts; one tank every 2 years.	1,929,100	1,929,100	\$ 4,309,732	2,435,968
Constr	9096	Plant Architectural Painting	Plant-wide painting including pumps, piping, equipment and structures. Painting necessary to prevent corrosion & for longevity of Plant's assets.	1,564,900	1,564,900	\$ 1,813,307	388,692
Constr	9118	SCADA Integration with Integrated Business Management System	Information Management System and SCADA to be tied together for asset management and maintenance scheduling.	481,000	2,168,560	\$ 2,458,093	2,026,758
Constr	9128	PST 3 & 4 Protective Coatings	Complete with 9080 - PST Collector System Replacement	714,150	714,150	\$ 2,869,160	1,971,255
Constr	9131	Plant Service Road Resurfacing-Phase 2	Plant site grading and paving.	1,089,000	821,310	\$ 953,372	153,612
Constr	9152	Small Capital Equipment Replacement	Ongoing replacement of equipment for maintenance needs throughout plant	3,714,000	1,954,500	\$ 2,238,071	1,230,902
Constr	9164	Dewatering and Solids Handling Improvements - Phase I	Recommendations from the Biosolids Master Plan for dewatering improvements.	-	3,897,253	\$ 5,565,212	6,379,530
Constr	9177	Implement Security Plan Enhancements	Implement enhancements outlined in Security Document; conjoin with capital improvements as they are being implemented.	-	1,920,000	\$ 1,165,990	526,952
Constr	9188	DMF Underdrain Access Hatches	There is no access point to the DMF underdrains. This project will provide such access.	-	105,600	\$ 116,871	2,307
Constr	9214	Alternate Bisulfite Injection Point	Provide an alternate bisulfite injection point in order to reduce the chance of permit violation	-	423,660	\$ 457,631	10,519
Constr	9222	Dual Media Filters 6A and 6B	Construct two new Dual Media Filters and associated valves and piping. Work is being performed as a CCO by ERS.	-	3,452,571	\$ 2,053,201	781,115
Constr	9226	DMF Platforms	Construct platforms for access to maintain valves in the DMF Gallery. Currently the valves are not accessible. Do work as a CCO to DMF 6A & 6B construction project (CIP #9222)	-	-	\$ 155,490	-
Constr	9228	Diesel Pump Upgrade	Relocate and replace diesel pumps and generator day tanks.	-	-	\$ 879,178	521,287
Constr	9231	BioforceTech Dryer System	Work with BioforceTech for half-scale biosolids drying Facility. SVCW to provide suitable site and utilities; Bioforce Tech to construct and operate. Tipping fee will be established based on this relationship.	-	-	\$ 2,048,637	840,871

**SVCW Capital Improvement Program  
CIP Project Status - IN CONSTRUCTION**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update	Actual Spent thru May 2017
Constr	9806	Wetside Redundant Power Improvements	Addition of two standby power generators to PDP2 switchgear. In order to save monies, PDP2 was constructed to be completely ready for new generators and was originally proposed to allow existing generators to backfeed through existing primary transformers T1 and T2. Concerns raised during the Rule 21 process caused this plan to be superceded with standalone generators.	-	-	\$ 2,941,000	6,808,535
<b>TOTALS - PROJECTS IN CONSTRUCTION</b>				\$ 26,520,850	\$ 57,118,423	\$ 76,180,429	\$ 64,627,737

**SVCW Capital Improvement Program  
CIP Project Status - PLANNING & DESIGN**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Planning	6004	Flow Equalization Facility	Build wet weather and diurnal storage facilities on plant property	\$8,981,300	\$28,600,000	\$ 18,171,592	638,902
Planning	6006	Conveyance System CEQA	Project Development, CEQA, and Planning for the Conveyance System Project Elements	-	839,000	\$ 5,100,580	4,089,548
Planning	6008	Tunnel and Gravity Pipeline	Installation of gravity pipeline, using tunneling construction methods for conveying wastewater to the plant.	-	63,190,000	\$ 220,007,111	9,911,722
Planning	6010	Force Main Conveyance System Program - General Support	Provides support and funding for general requirements of projects contained within the Conveyance System Program.	-	200,000	\$ 208,810	207,143
Planning	6013	Receiving Lift Station	Construct new pump station to lift flow out of the gravity pipeline and into headworks of the plant.	-	-	\$ 50,517,763	557,761
Planning	6014	Influent Connector Pipe	Install new pipeline that connects headworks process to current plant influent.	-	-	\$ 9,081,206	535,219
Planning	7004	Menlo Park Pump Station Rehabilitation	Replace Menlo Park Pump Station to accommodate future Conveyance System needs	5,454,200	10,900,000	\$ 23,847,974	131,167
Planning	7005	Redwood City Pump Station Rehabilitation	Replace Redwood City Pump Station to accommodate Conveyance System needs	23,400,000	25,140,000	\$ 30,216,325	3,550,646
Planning	7008	Belmont Pump Station Rehabilitation	The existing pump station is at the end of its useful life. This project will replace the pump station equipment at the same location with details to be identified upon completion of the Conveyance System Program planning under Alternative 4BE. In the interim, until new pump station is constructed or deemed unnecessary, this project will fund necessary maintenance.	14,872,000	-	\$ 10,106,624	6,458
Planning	7009	Pump Stations Program - General Support	Provide general support to the Program Manager and in support of the overall pump station program.	-	400,000	\$ 426,505	162,104
Planning	7011	Belmont Force Main	Construct Pipeline between Belmont Pump Station and San Carlos Pump Station location.	-	22,022,000	\$ 3,308,933	313,383
Planning	9017	Plant #1 Water System Pipe Repair and Supply Upgrade	Rehabilitate potable water system: replace air gap tank or install backflow preventer, hydropneumatic tank, and pumps.	148,400	365,474	\$ 456,925	458,760
Planning	9033	Future Plant Electrical System Panel Replacement	Complete replacement and addition of additional panels and subpanels	5,748,600	5,570,322	\$ 6,357,363	4,012,107
Planning	9097	Plant Deck Re-coating	Add painted walkway and H2O rated hatch covers for pedestrian/cart access under the Plant Control building. Some hatches replaced under other CIP projects.	179,400	179,400	\$ 209,376	2,685
Planning	9102	Storm Drain System Improvements and Maintenance Wash Rack	Replace the last existing stormwater pump with a submersible pump and install 400' of buried 6" C900 PVC pipe and control valves to deliver storm water to the influent junction box or storm lagoon. Construct new wash rack to facilitate ability to clean equipment for maintenance overhauls. Includes upgraded electrical and control system. These two items occur in the same Plant area; stormwater PS work complete; wash rack not complete.	482,100	482,100	\$ 211,947	108,287
Planning	9103	Landscape Impoundment Improvements	Project is slated to provide improvements to the impoundment. Work in addition to what was originally intended may be done for future Plant process needs.	269,100	269,100	\$ 312,190	55,239
Planning	9105	Document Management System	Phase 2 of the IMMS; use for CIP information management.	1,995,500	1,995,500	\$ 2,318,059	326,974
Planning	9107	CCT Concrete and Steel Protective Coating Replacement	Recoat walls and Ceiling of CCT	4,807,400	4,901,400	\$ 5,719,970	110,343
Planning	9120	RAS Pump Suction Pipe Replacement	Slip-line the in-slab pipe. The high content of solids in sludge piping wears the pipe out over time; the RAS piping is thin due to the continued abrasion of the sludge transported through it.	511,800	311,800	\$ 362,864	32,962
Planning	9144	Solids Handling Program - General Support	Project provides support and funding for general requirements of projects contained within the Solids Handling Program through the life of the CIP.	-	100,000	\$ 141,165	243,247
Planning	9145	Plant Energy System Program - General Support	Provides support and funding for general requirements of projects contained within the Plant Energy System Program.	-	75,000	\$ 87,192	64,082
Planning	9160	WWTP Headworks and Screening Facility	Project provides for a new headworks and screening facility at the WWTP. Pump station pre-design efforts will take headworks needs into account.	-	16,422,000	\$ 43,011,190	908,980
Planning	9169	Dewatering and Solids Handling Improvements - Phase II	Implement the dewatering improvements recommended by the Biosolids Master Plan, including replacing the existing centrifuge with a third rotary press. Timing is dependent upon several projects currently being considered (Food Waste, Bioforce Tech, future Plant loadings) and when Operations require redundancy.	-	1,123,200	\$ 1,443,215	219,271

**SVCW Capital Improvement Program  
CIP Project Status - PLANNING & DESIGN**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Planning	9175	Security Program for New Conveyance System Pump Stations	Conduct an evaluation of the security and monitoring needs (required and optional) to be designed into the new conveyance system pump stations. The goal is to have a list of design criteria to give to the pump station design firm to ensure consistency of security equipment and controls. This project will investigate remote monitoring alternatives desired for operational needs. The project includes SVCW making decisions on security equipment, software and integration into the plant data system assuming this project will be conducted before the Plant Security Assessment and Plan project.	-	200,000	\$ 15,113	(0)
Planning	9176	Plant Vulnerability Assessment and Security Plan	Conduct a Site Vulnerability Security Assessment and prepare a Security Plan. This is to identify the security needs at the plant based on potential for vandalism and the planned elimination of night time staffing. This plan will incorporate the decisions made in the Pump Station Security Program (CIP #9175) for software, I/C, and overall network controls. Additional hardware and equipment specific to the plant will be evaluated.	-	250,000	\$ 66,986	-
Planning	9189	DMF Pump and Discharge Piping Replacement	Replace motors and drives on DMF Pumps.	-	858,000	\$ 1,793,236	2,236
Planning	9215	Digester #1 Rehabilitation	Repair of coatings and structural elements in Digester #1. Project includes replacement of the two mix nozzles, two wall penetrations and the upper and lower vertical mix pipe manifold as previously included in CIP #9170. Also include interior coating of 24-inch horizontal mix piping as previously included in CIP #9171.	-	2,000,000	\$ 2,161,884	32,341
Planning	9223	Final Effluent Pump Replacement	Increase the capacity of the final effluent pumps to be able to discharge 80 mgd	-	2,301,714	\$ 2,484,794	97,693
Planning	9224	FEP Connection to Chlorine Mix Box	Provide pipeline to connect effluent pumps to the chlorine mix box to improve plant hydraulics and chlorine contact time	-	200,000	\$ 216,219	-
Planning	9232	Long Term Strategic Recycled Water Planning	SVCW would begin collaboration with outside stakeholders for long-term planning of recycled water expansion as a drought proof water supply, explore IPR/DPR treatment requirements etc. Budget is for staff time to attend meetings and begin long-term planning, plus work with consultants on conceptual studies. No construction dollars are included. Large scale expansion of recycled water treatment may offset dollars spend on future nutrient removal compliance	-	-	\$ 1,032,137	135,934
Design	9168	Thickening Improvements - Phase I	Rehabilitate Thickeners 2 and 3	-	2,808,000	\$ 1,448,690	103,609
Design	9186	Replacement of Aeration Blowers	The 2010 FFR preliminary design report evaluated the existing blowers and indicated an additional 10 years life remain if the units are maintained well and ventilation is added to the room. Project added in 2012 Update; use project as a placeholder for future replacement and for change to mixers inside the ABs.	-	4,290,000	\$ 4,750,568	344,036
Design	9206	Site Waste Piping and Pump Replacement	Replace discharge piping and header and add one new pump due to significant number of leaks in the system.	-	99,528	\$ 109,901	9,172
Design	9220	Aeration Basin Venturi Removal	Remove a bottleneck to allow peak flow of 80 mgd	-	1,150,857	\$ 1,243,488	19,033
Design	9229	Food Waste: Receiving Station and Digester Improvements	Plan, Design and Construct Receiving Station for Accepting Food Waste from SBWMA. Project would include new receiving station and interconnection to Digesters	-	-	\$ 14,330,203	996,796
<b>TOTALS - PROJECTS IN PLANNING &amp; DESIGN</b>				<b>\$66,849,800</b>	<b>\$197,244,395</b>	<b>\$461,278,096</b>	<b>\$28,387,841</b>

Note - \$0 values where project did not yet exist in the identified CIP, was deleted, or was merged with another project



**SVCW Capital Improvement Program  
CIP Project Status - REMAINING**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Project On Hold	9071	Plant Gallery Floor and Wall Crack Sealing	Seal gallery floors to prevent infiltration of GW. Unplug in-slab drain pipes.	250,000	484,832	561,364	129,652
Project On Hold	9113	Evaluation of Plant Underslab Piping	TV or otherwise investigate various piping embedded in concrete throughout the Plant	371,800	371,800	434,129	-
Project On Hold	9192	Drying Beds Northern Expansion	Expands the drying bed to the north with a new 3-acre bed.	-	1,656,000	37,337	112,298
Project On Hold	9400	Nutrient Removal	Placeholder for facilities required to remove nutrients (nitrogen and phosphorous) to meet future regulations.	-	-	103,636,229	649,490
Project Not Started	8045	System Integrate: Pump Station Security into WWTP Controls	This project is for the system integration of the pump stations' security systems into the WWTP control system. The project budget assumes 1) that all the security costs associated with specific pump station design and installation of equipment will be included in specific pump station rehabilitation projects and 2) the costs for security control equipment at the WWTP is included in new CIP #9177.	-	150,000	175,146	-
Project Not Started	9041	Underground Fuel Tank Replacement	Future Underground Storage Tank regulations may require removal of this tank. Remove 15,000 gallon underground fuel (diesel) tank and replace with a tank that meets regulatory requirements when necessary. Electrical costs include conduit and wiring for new underground tank leak detection equipment necessitated by moving the tank.	458,000	458,000	534,779	-
Project Not Started	9084	Seismic Upgrade - DMF 42" Effluent Piping	Install lateral bracing on the DMF 42" effluent piping. (Seismic Improvement Program No. P14).	167,300	167,300	195,346	-
Project Not Started	9093	Headworks Odor Control	Cover grating and open areas, treat odorous air.	929,500	929,500	1,085,321	-
Project Not Started	9094	Thickener Overflow Line Butterfly Valve Replacement	The butterfly valve is worn and no longer working as it is intended.	28,300	28,300	-	-
Project Not Started	9171	Interior Coating of Horizontal Influent 24" Mix Pipes for Digester 3	The Horizontal 24" Mix Pipe Lines were inspected in 2009 and minimal reduction in pipe thickness was noted and the pipes were placed back into service. It was noted that the coating was peeling off in places so this project will inspect the pipes next time the digesters are taken down for maintenance and replace interior coating and corroded piping as needed. Digester 2 piping replaced under CIP #9095. D1 piping to be included with CIP #9215, Digester 1 Rehabilitation. D3 piping remains to be replaced.	-	100,000	116,764	-
Project Not Started	9172	Thickening Improvements - Phase II	Gravity Belt Thickeners were installed under CIP #8018, Thickening Automation in 2014-2015. If and when flows and loadings increase, Phase II will install one or more GBTs. This is a project placeholder and not currently funded.	-	2,808,000	-	-
Project Not Started	9173	Dewatering and Solids Handling Improvements - Phase III	Implement the dewatering improvements recommended by the Biosolids Master Plan, including installation of a fourth rotary press.	-	1,123,200	1,311,493	-
Project Not Started	9174	Digester Supernatant Piping Upgrades	The existing supernatant piping only allows for supernatant to Digester 3 from Digesters 1 and 2 and there is no passive overflow system at any of the Digesters. This project will investigate the future need for additional supernatant piping and alternative destinations for receiving supernatant flow. The project cost assume \$50,000 for the evaluation and a placeholder of \$250,000 for implementation.	-	300,000	350,292	-
Project Not Started	9185	Water Cannons at Aeration Basins	Provide 3W piping and appurtenances required to supply high volume, high pressure water for aeration basin wash-down.	-	107,250	118,783	-
Project Not Started	9187	Secondary Clarifier Weir Washers	Install weir washers on secondary clarifier weirs to facilitate routine daily washing and in support of eventual single shift operations and maintenance.	-	248,820	275,576	-
Project Not Started	9196	Electronic O&M Manuals	Develop Electronic O&M manuals to replace existing paper manuals. Extent of e-manuals will be determined to coincide with full plant automation requirements.	-	1,000,000	1,036,600	-
Project Not Started	9197	In-Plant Recycled Water System Expansion	Expand the recycled water pipeline installed under CIP 9018 to supply cooling water to the new emergency generators in the SHB and the new chillers in the Thickener gallery.	-	231,660	256,570	-
Project Not Started	9212	Security Arm Gates	Install security lift arm gates to block access to cars from areas of the plant past the parking lot.	-	80,000	86,488	-

**SVCW Capital Improvement Program  
CIP Project Status - REMAINING**

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru May 2017
Project Not Started	9225	DCP2 Processor Upgrade	DCP2 Control Logix Upgrade (Dual Chassis) for central data collection and Critical Alert Alarm (CAA) system monitoring and management. The current system is beyond it's useful life and has no redundancy.	-	-	107,599	-
Project Not Started	9233	Strategic Technology Testing Assistance	Set aside a small project budget to assist with future possible pilot studies. Do not fund project at this time.	-	-	-	-
Project Not Started	9235	Digester Gas Storage	Construct storage for digester gas gas equalization in support of optimizing the cogeneration engine operation/electricity output. Gas production expected to rise with introduction of co-digestion materials (food waste and FOG)	-	-	1,451,240	-
Project Merged	6005	Influent Force Main - Rehabilitation or Parallel	Project redefined into pipeline segments; retire this CIP #. Repair and Replacement work on the SBSA Force Main as joints fail (start to leak). The force main has approximately 4,000 single "O" ring bell and spigot joints while the entire pipe rests in bay mud and moves constantly.	125,053,500	2,786,934	3,031,955	3,031,955
Project Merged	8014	Primary Sludge Piping System Valve Automation	Install valve actuators and new valves as needed to facilitate automation of the primary sludge system. Delete project and merge with 8007.	281,700	-	-	-
Project Merged	8024	Thickening Pump #1-6 Remote on / off / speed controls	Combined with Thickener Automation (CIP 8018) via SPA project. Includes effort for motor replacement.	360,600	10,978	26,869	0
Project Merged	8030	Automation: Instrumentation & SCADA Program - General Support	Provides support and funding for general requirements of projects contained within the Energy and Automation Program. Do not fund project in 2015 Update	-	670,509	433,801	456,038
Project Merged	9108	Scum Flowmeter	Combined with Thickener Automation (CIP 8018).	29,200	-	-	-
Project Merged	9165	Seismic Upgrade of Digester Mix Room and Boiler Room Piping	Do work under SPA project, CIP # 8021.	-	111,500	-	-
Admin	9078	10-Yr CIP Program Annual Updates	Update the 10-Year CIP and costs annually or as needed to ensure that projects are scheduled and funds are available each year	180,000	300,000	348,705	150,022
Admin	9130	Capital Improvement Engineering	Funds staff required to coordinate and implement the Capital Improvement Program.	7,000,000	7,000,000	13,349,767	600,481
Admin	9158	CIP Financial Assistance	State Water Resources Control Board SRF construction loan assistance. Funding received for Admin Building and WWTP Improvements and planning loan for Conveyance System. Future applications will be submitted for Conveyance System and Future Treatment Plant projects. Budget includes ongoing compliance with loan requirements.	-	1,000,000	1,165,569	253,714
Admin	9159	OCIP Funding	Repository for funding the OCIP and payment to Aon for management of the program for first five years. New OCIP program being evaluated in 2015.	-	6,000,000	6,217,403	222,746
Admin	9184	LOC Funding - Phase I	Fees for setting up and managing LOC with Bank of the West. Process complete.	-	105,431	11,124	(0)
Admin	9209	LOC Funding - Phase II	Initial Set-up and Annual fee for LOC with Wells Fargo as of 2015.	-	120,000	129,731	-
<b>TOTALS - REMAINING PROJECTS</b>				<b>\$135,109,900</b>	<b>\$28,350,014</b>	<b>\$136,485,980</b>	<b>\$5,606,396</b>

Note - \$0 values where project did not yet exist in the identified CIP, was deleted, or was merged with another project

**Commissioners' Requested Action Items**  
Updated: 06/27/2017

Commission Meeting Date		Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
6/8/2017	1	Public Policy	7/13/2017			✓	7/13/2017	Draft a letter for Commission signature thanking Congresswoman Anna Eshoo will be available at the July 13th meeting of the Commission.
5/11/2017	1	Progressive Design-Build	5/18/2017			✓	5/15/2017	Send a link of the Requests for Qualifications to Commissioner Otte.
4/13/2017	1	Progressive Design-Build	5/11/2017	✓				Provide Selection Criteria, Scoring Process and routine updates on the Design-Build selection process for Front of the Plant and Gravity Sewer projects to the Commission .
	2	CIP Project Public Outreach Efforts	NA	✓				Continue comprehensive public outreach efforts with regular project updates to the public and implement webcam(s) at project site(s).
	3	Management Personnel Performance Pay Policy	NA			✓	6/8/2017	Update the Performance Pay Policy to meet CalPERS standards and requirements including update of annual Performance Evaluation forms to met same. Present to Commission as part of the approval of the publish annual consolidated pay schedule to be publicly posted.
3/23/2017	1	Long Term Compensation Stability Program/Policy	1/11/2018		✓			Develop methodology for regular updates to compensation schedules with defined increases and practices to insure SVCW compensation stays current with local trends and practices to maintain Authority competitiveness in the marketplace. Develop and gain Commission approval to facilitate inclusion in the FY 18/19 budget/salary process.
	2	Manager Performance Evaluation	4/13/2017			✓	6/8/2017	Manager provided self evaluation and blank performance evaluation forms to Commissioners at the April meeting; Commissioners have sent their evaluation of Dan's performance directly to Commissioner Seybert. Commission met with Dan on June 8, 2017 and discussed the performance evaluation and compensation.
2/9/2017	1	Provide PIN and keycards to Commissioners	3/23/2017			✓	2/15/2017	Will be provided to Commissioners at March meeting
	2	Compensation Study	3/23/2017			✓	3/23/2017	First report provided salary information only, no benefits. Consultant re-working the study to include benefits and will be presented to the Commission at the March meeting.

**Commissioners' Requested Action Items**  
Updated: 06/27/2017

Commission Meeting Date	Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
			Ongoing	In Progress	Complete		
	3	March meeting agenda			✓	3/23/2017	To the extent possible, keep agenda items to a minimum and/or on Consent Calendar. Due to budget focus.
1/12/2017	1	CalPERS actions on performance pay		✓			Inform all persons who received the CalPers letters of what actions the Commission is taking. This is anticipated to be a long lasting ordeal and multiple updates will be provided as information becomes available. Hearing scheduled for July 10-11, 2017.
	2	SVCW Financial Reports	2/9/2017	✓	✓	2/9/2017	Send warrant registers for review by Commissioners via email prior to Commission meeting they will approve them at. Do not send hard copies with agenda packet.
	3	SRF Funding	<1/30/2017		✓	1/19/2017	Send the letter from Commission to state legislatures for SRF funding prior to Jan 30th meeting w/SWRCB
	4	Long Term Financial Plan	2/9/2017		✓	2/9/2017	Add statement to LRF re: debt and generational equity; a statement re: debt interest due to not having \$ for pay-as-you-go.
	5	CIP Funding	Fall 2017		✓		Present a recommendation to Commission re: timing for bond issuance. Issuance currently expected in Fall/Winter 2018.
12/8/2016	1	Prepare discussion re: financing the CIP (bonds/no bonds)	1/12/2017		✓	1/12/2017	Preliminary discussion with LRF presentation in January
11/10/2016	1	Discuss 2017 Commission Meeting Dates	12/8/2016		✓	12/9/2016	Commissioners confirmed meeting dates.
	2	Conveyance System DEIR	>12/8/2016		✓	4/13/2017	Commission certified the EIR at the April 13, 2017 Commission meeting and the 45 day challenge period has now expired. The EIR is certified. Presentation provided at December Commission meeting; no additional meeting needed until FEIR. Staff to report at each Commission meeting comments received during the 45-day comment period. Ensure drafters of EIR are present at FEIR meeting in April.
	3	Investment Report	12/8/2016		✓	12/8/2016	Ensure numbers in report tie in to front page numbers.
10/13/2016	1	IT System Shut-down of October 17th	10/14/2016		✓	10/14/2016	Notify public of planned IT shutdown via website.
	2	Conveyance System DEIR	>12/8/2016		✓		See discussion under 11/10/2016 above.
	3	SRF Funding Availability	January or February		✓	1/19/2017	Letter to State legislators and SWRCB advocating CA issuing more bonds to fund the SRF program drafted and presented to Commission. Letter sent mid-January.

**Commissioners' Requested Action Items**  
Updated: 06/27/2017

Commission Meeting Date		Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
	4	Conveyance System Commission sub-committee	NA			✓	11/7/2016	Subcommittee (Lieberman and Moritz) met on Nov 7 to discuss conveyance system progress.
	5	Greendale property construction progress	8/31/2017		✓			After redesign for changed county required retention wall strength, contractor has begun construction again and is expected to complete work in late August. Additional costs are being tabulated on a direct time and materials basis with no mark up by contractor.
<b>9/8/2016</b>	1	Job Classification and Total Compensation Study	1/31/2017			✓		<b>UPDATE:</b> The draft report was received and staff found the consultant had only provided salary information and not complete compensation information. After communication with the consultant, it was determined they had not fulfilled their scope and they are now assembling the other information needed to evaluate total compensation. This information was provided at the March Commission meeting.
	2	Control Building HVAC System	8/31/2017		✓			SVCW Legal Counsel is evaluating the potential of a damage from the Architect of Record for design deficiencies related to environmental protection of computer servers and related equipment. A Legal Opinion Letter will be presented to the Commission at the August 10, 2017 meeting.
	3	JPA re-write: prepare RFP and concurrently reach out to Legal Counsels of each member agency.	NA		✓			Staff and SVCW Legal Counsel are developing the list of significant issues for presentation to JPA legal specialists to allow evaluation and development of proposals for the update of the JPA. It is expected to take two or more years to complete the update of the JPA once a firm is hired.
	4	Connection Fees	NA		✓			Additional plant capacity evaluation is underway to ensure proper flow numbers are used in the calculations. Expect to address at May or June Commission Meeting.
<b>8/18/2016</b>	1	SCBS Ratify Emergency Condition - Valve Replacement	NA			✓	12/8/2016	Reported in December the emergency condition has been alleviated.
<b>7/14/2016</b>		No new items at this meeting						
<b>6/9/2016</b>	1	Contract Change Orders	NA	✓		✓	8/18/2016	When there is a change in contract amount, note % increase over original contract amounts; began at August meeting.
	2	MOU Negotiations	NA		✓			When MOU negotiations occur, present status updates to the Commission - anticipated in late 2017/early 2018.




July 13, 2017


# Design-Build Procurement Process Update

# Projects

Gravity Pipeline



Front-of-Plant



**Kennedy/Jenks Consultants**  
Silicon Valley Clean Water  
Comprehensive System Planning  
Tunnel/Gravity Pipeline  
and Shaft Locations  
February 29, 2016

# Progressive Design Build Steps

- SVCW (Owner)
  - SVCW issues solicitations for design-build team
  - SVCW selects design-build team
  - Design-build team completes design and constructs project
- Step 1 – Qualifications:
    - Issue Request for Qualifications
    - Receive RFQs
    - Check References
    - Interview Teams
  - Shortlist D-B Teams, then
  - Step 2 – Proposals:
    - Issue Request for Proposals
    - Receive Proposals
    - Check References
    - Interviews

# Selection Process

Selection Process Step	Gravity Pipeline	Front of Plant
Step 1 - Qualifications		
Issue RFQ	^	^
SOQs Submittal	^	^
Check References	^	^
Interviews	^	^
Shortlist 3 Firms	^ (June 2)	^ (June 23)
Step 2 – Proposals		
Issue RFP	^ June 8	^ (June 29)
Confidential Meetings	July 18 & 19	July 31 & Aug 1
Receive Proposals	Aug 2	Aug 25
Interviews	Aug 9 - 11	Sep 19 & 20
Select PDB Firm	Aug 28	Sep 26

# Protest Procedure

Section 9.8 in RFQ

- **Appeals Prior to SOQ Submittal Date**
  - In writing 10 days prior to SOQ submittal date
- **Appeals after Shortlisting**
  - In writing within 3 days from the short-list announcement
  - Limited to procedural errors in evaluation process
- **No Appeals of Substantive Decisions**
  - Will not reconsider or re-score evaluations
- **SVCW Response to Appeals**
  - SVCW will respond in writing within 7 days of receipt
  - SVCW's determination shall be final

**Passed; no protests**

# Front of Plant Shortlisted Firms

## • 5 Statements of Qualifications Received

- CH2M w/Overaa
- Kiewit w/McNally
- JFShea w/Parsons
- Shimmick Construction w/Jacobs Engineering
- CDMSmith w/ CDM Constructors

3 Shortlisted  
to Proposal  
Step



## Front of Plant Process

- **Shortlisting**
  - Shortlisted from 5 to 3 firms
  - Firms notified Thursday June 22
  - 3 day protest period ends Monday June 26
  - Request for Proposals out Thursday, June 29

## Two Step Selection Process

- Step 2 – Proposals
  - Issue RFPs to short-listed Respondents - done
  - Confidential Meetings
  - Proposal Submittals
  - Reference Checking/Site Visits
  - Interviews
  - Select Design-Build Entities
  - Negotiate Progressive Design Build Contracts
  - Bring Stage 1 Contract to Commission for Approval

**MINUTES OF SILICON VALLEY CLEAN WATER  
REGULAR MEETING – JUNE 8, 2017**

**ITEM 1**

**CALL TO ORDER**

The meeting was called to order at 4:00 p.m.

**ITEM 2**

**ROLL CALL - Commissioners Duly Appointed by Each Agency**

Mayor John Seybert, Redwood City – Chair

Board Member George S. Otte, P.E., West Bay Sanitary District

Mayor Robert Grassilli, San Carlos – Secretary

Absent: Council Member Warren Lieberman, PhD., Belmont– Vice Chair

**Staff, Consultants and Visitors Present**

Christine C. Fitzgerald, SVCW Legal Counsel

Daniel T. Child, SVCW Manager

Teresa Herrera, SVCW Assistant Manager/Authority Engineer

Matt Anderson, SVCW Chief Financial Officer

Linda Bruemmer, SVCW Administrative Services Director

Monte Hamamoto, SVCW Wastewater Superintendent

Kim Hackett, SVCW Engineering Director

Bruce Burnworth, SVCW Senior Engineer

Cindy Hui, SVCW Financial Analyst

Jennifer Flick, SVCW Human Resources Director

Ilana Schmidt, SVCW Administrative Assistant

Robert Huffstutler, SVCW Operations Director

Bill Tanner, Tanner Pacific, Inc.

Derek Rampone, City of Redwood City

Jay Walter, City of San Carlos

Afshin Oskoui, City of Belmont

Mark Minkowski, Kennedy/Jenks Consultants

Ken Kaufman, Member of the Public

**ITEM 3**

**PLEDGE OF ALLEGIANCE**

Commissioner George Otte led those attending the meeting in the recital of the Pledge of Allegiance.

**ITEM 4**

**PUBLIC COMMENT**

There was no Public Comment.

**ITEM 5A**  
SAFETY MOMENT

Mr. Child discussed evacuation route planning in the event of an emergency.

**ITEM 5B**  
MANAGER'S REPORT

Commission Meeting Schedule: Mr. Child confirmed the new start time for the Board Meetings. Beginning July 13, 2017, SVCW's Commission Meeting's will commence at 8:00 a.m.

Budget Presentation: Mr. Child inquired about visiting each member's City Council and/or Committees for a budget presentation and added in the past, he, Ms. Herrera and Mr. Anderson have presented updates to the SVCW Member Entities between June and November. Commissioner Seybert asked Mr. Child to reach out to Redwood City's Public Works Director to schedule a presentation to the City's Utilities Committee. Mr. Child added there will also be a CIP update in the August to September time frame and once it is available would be great time to get the information to community leaders and the public.

**ITEM 5C**  
FINANCIAL REPORTS

Commission Chair Seybert asked if there were any questions on the Financial Report. There were none.

**ITEM 5F**  
RESCU PROGRAM DESIGN-BUILD PROJECT STATUS UPDATE

Ms. Herrera provided a status update on Design-Build activities with two projects, the Gravity Pipeline (Tunnel) Project and the Front of Plant Project.

Ms. Herrera shared that SVCW just completed interviews related to the Statements of Qualifications (SOQ) respondents for the Gravity Pipeline Project and have shortlisted three firms to proceed to the Proposal phase. At the same time, there were five SOQ's received from very reputable firms for the Front of the Plant Projects and interviews are scheduled in the next couple weeks. Ms. Herrera addressed the Commission's concern about the procedure to address protests associated with the selection process. Ms. Herrera stated that Section 9.8 in the Request for Qualifications (RFQ) specifically addresses and outlines the rules and protocol for appeal.

**ITEM 6**  
MATTERS OF COMMISSION MEMBER'S INTEREST

Commissioner Seybert shared the letter received from Representative Anna Eshoo who wrote to the U.S.E.P.A.'s Executive Administrator, Mr. Scott Pruitt, in support of Silicon

Valley Clean Water's application for financing under W.I.F.I.A. Commissioner Seybert requested Mr. Child draft a letter on behalf of the Commission thanking her for her efforts.

Secondly, Mr. Seybert realized as he was going through the performance evaluation documents for SVCW's Manager, that SVCW Legal Counsel, Ms. Christine Fitzgerald, does not receive an annual evaluation due to her being in a contracted position. Mr. Seybert continued, and asked the other Commissioners for their support, as he expressed his and the Commission's sincere appreciation for her tremendous efforts, and a job very well done in representing SVCW and the Board of Commissioners.

#### **ITEM 7**

#### **CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR**

#### **Motion/Second: Mr. Otte / Mr. Grassilli**

The motion carried by unanimous roll call vote.

#### **ITEM 8A**

#### **CONSIDERATION OF RESOLUTION AWARDDING CONSTRUCTION CONTRACT FOR THE SITE STABILIZATION GRADING AND DRAINAGE PROJECT (CIP #6013)**

Ms. Herrera displayed an aerial photograph showing where the Front of the Plant Project is taking place. She stated that lime will be added to strengthen and stabilize the soil. The image also depicted the improvements that will be most noticeable to SVCW staff and Commissioners; the new staff and public entrance, parking and a new roadway. Ms. Herrera proceeded with recommending award of a construction contract for the project to Teichert Construction, the lowest responsible bidder.

Commissioner Grassilli asked about future access to the nearby dog park. Ms. Herrera said the dog park is not affected and the public will still have access.

Commissioner Seybert asked when the project is expected to be complete. Ms. Herrera replied work needs to be complete by mid-October because the intent is to move trailers into the area before wet weather begins. Commissioner Seybert asked if the parking lot by the dog park is heavily used. Ms. Herrera responded that since the recycled water landscape impoundment had been drained, there are very few bird watchers and the area does not see much traffic anymore. Ms. Herrera added that SVCW has been proactive in reaching out to the Redwood Shores Community via newsletters and articles in the Pilot Magazine.

#### **Motion/Second: Mr. Grassilli / Mr. Otte**

Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR SOIL STABILIZATION GRADING AND DRAINAGE PROJECT (CIP #6013); ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER, REJECTING ALL

OTHER BIDS; AND AUTHORIZING EXECUTION OF AGREEMENT, DIRECTING RETURN OF SECURITY DEPOSITS AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT – Teichert Construction - (\$4,205,200)

The Resolution carried by Unanimous Roll Call Vote.

**ITEM 8B**

CONSIDERATION OF MOTION AND RESOLUTION APPROVING UPDATE TO SOLE-SOURCE SPECIFIC EQUIPMENT AT SVCW FACILITIES

Ms. Herrera provided a brief update on changes to the list since the last update in June 2014. She added the period covered is from June 2017 to May 2022 and has three deletions, six name changes and seven new items.

Commissioner Grassilli inquired about whether the list went up or down since 2014 and commented that though they are sole-source items, the more the list grows the less competition there is. Ms. Herrera said it remains relatively constant. Mr. Child added that most sole-source purchases made are to match existing equipment to provide consistency in the equipment spare parts inventory and employee operational and maintenance knowledge. This saves money for ratepayers by eliminating duplication of systems doing the same work.

Commissioner Otte commented that the items on the list are very good and recognized several from when he was in the field.

Commissioner Seybert asked what the review process is once the list is adopted and Mr. Child said the list is reviewed frequently to maintain accuracy and keeping an eye on trends because things can and do change over a five-year period.

**Motion/Second: Mr. Grassilli / Mr. Otte**

- i. Move approval TO SUSPEND COMPETITIVE BIDDING REQUIREMENTS BASED ON PUBLIC CONTRACTS CODE (PCC) SECTION 3400 WHICH AUTHORIZES THE SILICON VALLEY CLEAN WATER TO PURCHASE SPECIFIC EQUIPMENT WITHOUT SPECIFYING “OR EQUAL” MANUFACTURERS AND EQUIPMENT (SOLE SOURCE) (5/7th weighted vote required)

The Motion carried by Unanimous Roll Call Vote.

**Motion/Second: Mr. Otte / Mr. Grassilli**

- ii. Move adoption of RESOLUTION ALLOWING FOR THE SOLE SOURCE SPECIFICATION AND PURCHASE OF STANDARDIZED EQUIPMENT AND MATERIALS AS LISTED, TO MATCH EXISTING, PROVEN EFFECTIVE OR

TESTED EFFECTIVE EQUIPMENT FOR A PERIOD OF FIVE YEARS FROM JUNE 2017 THROUGH MAY 2022

The Resolution carried by Unanimous Roll Call Vote.

**ITEM 8C**

CONSIDERATION OF RESOLUTION TO ESTABLISH RATES OF PAY FOR CONFIDENTIAL GENERAL, PROFESSIONAL, MANAGEMENT AND UNREPRESENTED GENERAL EMPLOYEES AND APPROVE A CONSOLIDATED PAY SCHEDULE FOR ALL EMPLOYEES

Mr. Child provided background history on the proposed Resolutions and explained that every year SVCW is required to approve pay scales and post the approved consolidated pay schedule on SVCW's website in compliance with laws requiring the posting for transparency. Mr. Child noted this year's recommendations include the implementation of a 401(a) plan to address future recruitment and retaining issues of senior level positions due to the impacts of the Public Employee's Pension Reform Act (PEPRA). Mr. Child noted this need was mentioned and budgeted in the upcoming FY 2017-2018 budget process.

Mr. Child continued to explain the current Memorandum of Understanding (MOU) with Local 39, which is up for re-negotiation next year, calls for a 3% Cost of Living Adjustment (COLA) for those employees covered by the labor agreement. In the past, a COLA has been given to unrepresented SVCW employees not covered by the MOU equal to what is given to those covered by the labor agreement. Mr. Child added that the newly structured salary ranges incorporate management recommendations related to the findings of the recently completed SVCW salary survey by the Gallagher Company.

Commissioner Seybert asked if the salary survey results were found to be of value and Mr. Child replied most definitely. Commissioner Seybert also asked how often these compensation surveys would be conducted. Mr. Child replied that the survey has historically been performed in preparation for negotiations related to the MOU update, which is currently every five years, but has been as short as two and as long as seven years.

**Motion/Second: Mr. Grassilli / Mr. Otte**

- i. RESOLUTION ESTABLISHING RATES OF PAY AND RELATED COMPENSATION FOR MANAGEMENT EMPLOYEES OF SILICON VALLEY CLEAN WATER AND RESCINDING AND RESTATING CERTAIN PROVISIONS OF RESOLUTION NO. SVCW 16-23 AND RESCINDING ANY AND ALL OTHER RESOLUTIONS OR PORTIONS THEREOF IN CONFLICT HEREWITH
- ii. RESOLUTION ESTABLISHING RATES OF PAY AND RELATED COMPENSATION FOR CONFIDENTIAL GENERAL EMPLOYEES OF SILICON VALLEY CLEAN

WATER AND RESCINDING AND RESTATING CERTAIN PROVISIONS OF RESOLUTION NO. SVCW 16-24 AND RESCINDING ANY AND ALL OTHER RESOLUTIONS OR PROVISIONS THEREOF IN CONFLICT HEREWITH

- iii. RESOLUTION ESTABLISHING RATES OF PAY AND RELATED COMPENSATION FOR UNREPRESENTED GENERAL EMPLOYEE POSITIONS OF ENGINEERING INTERN AND LABORATORY ASSISTANT AND RESCINDING RESOLUTION NO. SVCW 16-25 AND ANY AND ALL OTHER RESOLUTIONS OR PORTIONS THEREOF IN CONFLICT HEREWITH
- iv. RESOLUTION ESTABLISHING RATES OF PAY FOR PROFESSIONAL EMPLOYEES OF SILICON VALLEY CLEAN WATER AND RESCINDING AND RESTATING CERTAIN PROVISIONS OF RESOLUTION NO. SVCW 16-26 AND RESCINDING ANY AND ALL OTHER RESOLUTIONS OR PORTIONS THEREOF IN CONFLICT HEREWITH
- v. RESOLUTION AMENDING SECTION 6 OF RESOLUTION NO. SVCW 77-6, THE SVCW PERSONNEL RESOLUTION, RELATING TO CLASSIFICATION OF POSITIONS AND RESCINDING PARAGRAPH 1 OF RESOLUTION NO. SVCW 16-27 AND ANY AND ALL OTHER RESOLUTIONS OR PROVISIONS THEREOF IN CONFLICT HEREWITH
- vi. RESOLUTION ESTABLISHING A DEFINED CONTRIBUTION PENSION PLAN PURSUANT TO SECTION 401(a) OF THE INTERNAL REVENUE CODE
- vii. RESOLUTION APPROVING CONSOLIDATED PAY SCHEDULE FOR ALL REPRESENTED AND UNREPRESENTED EMPLOYEES OF SILICON VALLEY CLEAN WATER EFFECTIVE JUNE 18, 2017

The Resolutions carried by Unanimous Roll Call Vote.

**ITEM 9**

CLOSED SESSION

Closed Session commenced at 4:28 p.m.

- A. PUBLIC EMPLOYEE PERFORMANCE EVALUATION ((Government Code §54957)  
Title: Manager

**ITEM 10**

RECONVENE IN OPEN SESSION

Open Session reconvened at 4:43 p.m.

SVCW Legal Counsel, Ms. Christine Fitzgerald, reported discussions were held on the Closed Session items, and Commission approved Manager's performance incentive for the current year and salary for Fiscal Year 2017-2018. Formal action will confirm the Manager's compensation at the July Commission Meeting.

**ITEM 11**

**ADJOURN**

There being no further business, the meeting adjourned at 4:45 p.m.

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Robert Grassilli, Secretary

By: Daniel T. Child, Manager



**SVCW WARRANT REGISTER**

SVCW Warrant Register for the period covering May 20, 2017 to June 2, 2017. A scanned copy was e-mailed to Commissioners on June 5, 2017.

06-02-17


SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
FUND RECAP

PAGE 9791

NAME	FUND	AMOUNT
PAYROLL REVOLVING	11	70.00
RETIREE HEALTH INSUR. FD.	12	35,000.00
CAPITAL IMPROVEMENT FUND OPERATION	14	68,770.45
RECYCLED WATER FUND	18	181,387.95
PLANT - CIP BOND	19	284.00
	20	281,754.35
TOTAL FOR APPROVAL		\$567,266.75

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9778 THROUGH 9791 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 20619 THROUGH 20707 INCLUSIVE, TOTALING IN THE AMOUNT OF \$567,266.75, HAVE BEEN CHECKED IN DETAIL AND APPROVED BY THE PROPER OFFICIALS, AND IN MY OPINION REPRESENT FAIR AND JUST CHARGES AGAINST THE AUTHORITY IN ACCORDANCE WITH THEIR RESPECTIVE AMOUNTS AS INDICATED THEREON.

RESPECTFULLY SUBMITTED,

  
.....  
CONTROLLER  
Deputy Controller

5.1.17  
DATE



5/20/17-6/2/17

 6-1-17

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9778

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ABACUS PRODUCTS INC	20619		3,290.32		
SUPPLIES		B45203 QTY 1 GREASE SCRAPER		3,235.31	18
		B45203 QTY 1 GREASE SCRAPER		55.01	18
AKELA, ARVIND	20620		1,209.94		
CONF. & TRAV.		6022017 REIM-4/6/17 DINNER MEETING - CWEA SFBS		40.00	18
		6022017B REIM-4/25-4/28/17 TRAVEL EXPENSES CWEA ANNUAL		1,124.94	18
UTILITIES		6022017C REIM-4/30/17 CELL PHONE EXPENSE CRICKET		45.00	18
ALLIED IRON CO., INC.	20621		327.98		
MISCELLANEOUS		131650 QTY 1 .25" X 4" ALUM X 24'		327.98	18
ALPHA ANALYTICAL LABORATORIES	20622		2,010.00		
CONTRACT SERV. (NON-MAINT.)		7051114RPSVCW PLANT PROCESS LAB ANALYSIS		1,120.00	18
		7051661RPSVCW PLANT PROCESS LAB ANALYSIS		150.00	18
		7052166RPSVCW SAN CARLOS LAB ANALYSIS		85.00	18
		7052167RPSVCW SAN CARLOS LAB ANALYSIS		380.00	18
		7052568RPSVCW WBSD LAB ANALYSIS		85.00	18
		7052569RPSVCW PLANT PERMIT LAB ANALYSIS		105.00	18
		7052578RPSVCW WBSD LAB ANALYSIS		85.00	18
ANALYSTS, INC.	20623		268.40		
MACH & EQUIP MAINT SERVICES		M1756285 LAB ANALYSIS		201.30	18
		M1757321 LAB ANALYSIS		67.10	18
ANDREINI BROTHERS INC	20624		6,727.00		
CONSTRUCTION-CONTRACTOR		131155654 5/10/17 GRADE ENTRY ROAD		6,727.00	14
ARIZONA INSTRUMENT LLC	20625		1,344.58		
MISCELLANEOUS		326670TAX SALES TAX LIABILITY		-18.11	18
MACH & EQUIP MAINT SERVICES		326585 EXTENDED WARRANTY 5/23/17-5/22/18		1,130.00	18
SUPPLIES		326670 QTY 3 AMMONIA FILTER FOR X631		232.69	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9779

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ASSOCIATED RIGHT OF WAY SERVIC	20626		525.00		
CONST.-ADMIN. & LEGAL		15089 3/1-4/30/17 T.O.2014-01 PROFESSIONAL SVCS REAL E		525.00	20
ATMOSPHERIC ANALYSIS & CONSULT	20627		2,300.00		
CONTRACT SERV. (NON-MAINT.)		A16850 ANALYSIS & REPORTING - SILOXANES AND SULFUR COM		445.00	18
		A16945 ANALYSIS & REPORTING - SILOXANES AND SULFUR COM		1,855.00	18
BARKERBLUE	20628		5,470.13		
CONST.-ADMIN. & LEGAL		592928 5/15/17 BID DOCUMENTS		702.81	20
		593096 5/17/17 BID DOCUMENTS		55.00	20
		593178 5/18/17 BID DOCUMENTS		13.35	20
		593179 5/18/17 8 COPIES PROJ PLAN BINDER PRINTS		796.08	20
		593179 5/18/17 8 COPIES PROJ PLAN BINDER PRINTS		796.08	20
		593179 5/18/17 8 COPIES PROJ PLAN BINDER PRINTS		796.09	20
		593180 5/18/17 8 BINDERS TECH MEMOS		2,310.72	20
BAY RUBBER COMPANY	20629		179.06		
MACHINERY AND EQUIP MAINT MATE		18042000 QTY 2 GASKETS		129.90	18
MISCELLANEOUS		18047700 QTY 9 NON ASB GASKETS		49.16	18
BUCKLES SMITH ELECTRIC COMPANY	20630		2,827.61		
MACHINERY AND EQUIP MAINT MATE		303566300 QTY 1 HI-CAP ETHERNET PORT MODULE-TP		2,827.61	18
C.W.E.A. - TCP	20631		93.00		
TRAINING		22061I CWEA RENEWAL FEE-FONG, PETER KWONG KEUNG		93.00	18
CA ST-FRANCHISE TAX BOARD	20632		5,483.77		
MISCELLANEOUS		6022017 4/17-5/17 FORM 592V NONRESIDENT WITHHOLDING		5,483.77	20
CALIFORNIA DETAILERS, INC.	20633		550.00		
MACH & EQUIP MAINT SERVICES		44198 5/6/17 FLEET VEHICLE ON-SITE WASH		275.00	18
		44283 5/20/17 FLEET VEHICLE ON-SITE WASH		275.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9780

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CALIFORNIA WATER SERVICE CO UTILITIES	20634	5152017 4/15-5/12/17 SCPS WATER SERVICES	262.74	262.74	18
CALPELRA - CA PUBLIC EMPLOYERS CONF. & TRAV.	20635	5252017FLICK CALPERA MEMBERSHIP 2017-2018 AND REGISTRA	1,020.00	1,020.00	18
CALPERS - FISCAL SERVICES DIVI RETIREE MEDICAL PAYMENTS	20636	6022017 6/17 PREFUNDING OPEB	35,000.00	35,000.00	12
CDW GOVERNMENT, INC. MACHINERY AND EQUIP MAINT MATE MISCELLANEOUS	20637	HVX9518 QTY 10 APC REPLACE BATTERY CARTRIDGE HVX9518 QTY 10 APC REPLACE BATTERY CARTRIDGE	2,796.88	541.58 2,255.30	18 18
CHILD, CHRISTOPHER SMALL TOOLS	20638	6022017 REIM-5/16/17 TOOLS	97.84	97.84	18
CINTAS CORPORATION NO. 3 SUPPLIES	20639	464751003 5/23/17 LAUNDRY SERVICE	813.32	813.32	18
COLLABORATIVE STRATEGIES CONSU CONTRUCTION-DESIGN	20640	1702SV0517 4/7-5/19/17 T.O.2017-02 LANDSCAPE OF WETLAN 16501SV0517 4/7-5/19/17 T.O.2017-01 PROP ACQUISITION S 16605SV0517 4/7-5/19/17 T.O.2016-05 RCPS REPLACEMENT P 16606SV0517 4/7-5/19/17 T.O.2016-06 MPPS REHABILITATIO 17601SV0517 4/7-5/19/17 T.O.2016-01 BELMONT FORCE MAIN 17602SV0517 4/7-5/19/17 T.O.2016-03 INFLUENT CONNECTOR	20,632.50	8,872.50 6,352.50 1,470.00 1,522.50 1,470.00 945.00	20 20 20 20 20 20
CONSOLIDATED PARTS INC. MACHINERY AND EQUIP MAINT MATE MISCELLANEOUS	20641	5039040 QTY 1 EATON IQ150 MET/DISP 60HZ 5039202 QTY 1 200HP DRIVE, QTY 1 ETHERNET/IP OPTION CA 5039202 QTY 1 200HP DRIVE, QTY 1 ETHERNET/IP OPTION CA	11,895.65	1,232.14 10,052.55 610.96	18 18 18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9781

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
COTTIER, DON R. TRAINING	20642	6022017 REIM-5/22/17 TRAVEL EXPENSE 8/7-8/9/17 ELOGGER	537.40	537.40	18
D.W. NICHOLSON CORPORATION CONSTRUCTION-CONTRACTOR	20643	7613 THRU 3/31/17 BIOFORCE SLIDE GATE INSTALLATION	87,227.31	1,309.00	20
		7718 THRU 3/31/17 BIOFORCE SLIDE GATE INSTALLATION		61,698.81	20
CONSTRUCTION-CONTRACTOR		7826 THRU 4/30/17 PURAFIL EPO CONNECTION		8,117.00	14
CONSTRUCTION-CONTRACTOR		7827 THRU 4/30/17 INSTRUMENT SIGNAL WIRE FEEDS - DIGES		7,521.00	20
		7855 THRU 4/30/17 BEAST INSTALLATION PROJ		2,114.74	20
		7858 THRU 4/30/17 BEAST INSTALLATION PROJ		5,221.76	20
MACHINERY AND EQUIP MAINT MATE		7908 FABRICATE HATCH COVER SCUM PIT #2		1,245.00	18
DALY, MICK CONF. & TRAV.	20644	6022017 REIM-4/25-4/28/17 TRAVEL EXPENSES CWEA ANNUAL	1,307.78	1,307.78	18
DE GUZMAN, MANUEL SUPPLIES	20645	6022017 REIM-5/18/17 SAFETY SHOES	221.74	221.74	18
ENVIRO-CARE INC CONSTRUCTION-CONTRACTOR	20646	CMWEC215303 CREDIT MEMO - 50%CR CHANGE ORDER FOR PIPIN	16,854.79	-1,435.41	20
		WEC215303START 10% DUE - AFTER STARTUP & TRAINING - BE		13,940.57	20
		WEC215303STARTB 10% DUE - AFTER STARTUP & TRAINING - B		4,349.63	20
EVOQUA WATER TECHNOLOGIES LLC CHEMICAL SUPPLIES	20647	903093899 5/1/17 4297 GAL CALCIUM NITRATE-SB	18,788.41	9,813.27	18
		903102716 5/11/17 3930 GAL CALCIUM NITRATE-SB		8,975.14	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9782

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FASTENAL COMPANY	20648		3,210.16		
SMALL TOOLS		CASAA51623 CREDIT MEMO - QTY 1 PROTO[REG] INTERNAL PIP		-63.51	18
MISCELLANEOUS		CASAA52651 VENDOR MANAGED RESTOCK		83.13	18
SUPPLIES		CASAA52651 VENDOR MANAGED RESTOCK		42.87	18
		CASAA52713 VENDOR MANAGED RESTOCK		1,835.47	18
		CASAA52764 VENDOR MANAGED RESTOCK		1,159.34	18
MACHINERY AND EQUIP MAINT MATE		CASAA52770 VENDOR MANAGED RESTOCK		73.85	18
		CASAA52770 VENDOR MANAGED RESTOCK		79.01	18
FED EX	20649		151.90		
SUPPLIES		580824181 4/14-5/5/17 FED EX CHARGES		75.07	18
		580824181 4/14-5/5/17 FED EX CHARGES		76.83	18
FINTA ENTERPRISES, INC	20650		2,058.06		
CONTRACT SERV. (NON-MAINT.)		52723 4/13/17 GRIT HAULING		1,050.00	18
		52983 4/27/17 GRIT HAULING		945.00	18
		52983 4/27/17 GRIT HAULING		25.00	18
		52983 4/27/17 GRIT HAULING		38.06	18
FISHER SCIENTIFIC COMPANY	20651		2,675.09		
MACHINERY AND EQUIP MAINT MATE		2249378 LAB SUPPLIES		965.94	18
		2249378 LAB SUPPLIES		1,406.07	18
SUPPLIES		5233459 LAB SUPPLIES		303.08	18
FIVESKY	20652		7,753.13		
MACH & EQUIP MAINT SERVICES		FSUSIN6137 VMIWARE ANNUAL SOFTWARE SUPPORT RENEWAL		7,098.00	18
		FSUSIN6138 CISCO SMARTNET		655.13	18
FOURNIER INDUSTRIES, INC.	20653		1,547.51		
MISCELLANEOUS		L132218 FOURNIER PRESS LEFT AND RIGHT SCRAPER BLADES,		773.76	18
		L132218 FOURNIER PRESS LEFT AND RIGHT SCRAPER BLADES,		773.75	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9783

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FRANKLIN MILLER, INC.	20654		123.95		
MACHINERY AND EQUIP MAINT MATE		29348 QTY 2 RING RETAINER		81.55	18
		29383 QTY 8 O-RINGS		33.70	18
		29383 QTY 8 O-RINGS		8.70	18
GRAINGER	20655		821.23		
MISCELLANEOUS		9392288040 CREDIT MEMO - QTY 1 STRAIGHT PIPE WRENCH, S		-30.98	18
MACHINERY AND EQUIP MAINT MATE		9452254767 RESTOCK ITEMS		15.51	18
SUPPLIES		9452254767 RESTOCK ITEMS		4.07	18
MACHINERY AND EQUIP MAINT MATE		9452254767 RESTOCK ITEMS		629.71	18
		9453273626 RESTOCK ITEMS		108.54	18
SUPPLIES		9453273626 RESTOCK ITEMS		73.24	18
MACHINERY AND EQUIP MAINT MATE		9455623539 RESTOCK ITEMS		3.88	18
		9455623554 RESTOCK ITEMS		7.28	18
		9455623554 RESTOCK ITEMS		9.98	18
GROENIGER & COMPANY INC	20656		5,992.12		
MISCELLANEOUS		1256716 QTY 1 VALVE CHECK WEIGHT SERIES		2,996.06	18
MACHINERY AND EQUIP MAINT MATE		1262632 QTY 1 VALVE CHECK WEIGHTED SERIES		2,996.06	18
HARRINGTON INDUST PLASTICS	20657		435.15		
MACHINERY AND EQUIP MAINT MATE		3K9013 PLUMBING SUPPLIES		105.22	18
		3K9013 PLUMBING SUPPLIES		200.79	18
		3K9186 PLUMBING SUPPLIES		129.14	18
HIESTAND, SUSAN	20658		1,027.19		
CONF. & TRAV.		6022017 REIM-4/25-4/28/17 TRAVEL EXPENSES CWEA ANNUAL		1,027.19	18
HOPKINS TECHNICAL PRODUCTS, IN	20659		284.00		
MACHINERY AND EQUIP MAINT MATE		3617300574 QTY 4 ELECTROLYTE CGE2 WITH BOTTLE 50ML		284.00	19



SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9784

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
IDEXX DISTRIBUTION, INC SUPPLIES	20660		1,289.49		
		3016614483 QTY 4 ENTEROLERT, QTY 2 GAMMA IRRAD		816.36	18
		3016614483 QTY 4 ENTEROLERT, QTY 2 GAMMA IRRAD		473.13	18
JENTECH SERVICES MACH & EQUIP MAINT SERVICES	20661		7,921.10		
		2230 5/12-5/25/17 INSTRUMENT CALIBRATION		3,420.00	18
		2230 5/12-5/25/17 INSTRUMENT CALIBRATION		475.00	18
		2230 5/12-5/25/17 INSTRUMENT CALIBRATION		1,710.00	18
2230 5/12-5/25/17 INSTRUMENT CALIBRATION		2,316.10	18		
KELLER CANYON LANDFILL CO. CONTRACT SERV. (NON-MAINT.)	20662		650.09		
		4212000025697 4/27/17 SEWER GRIT SCR N DRYING BED HAULI		598.57	18
		4212000025697 4/27/17 SEWER GRIT SCR N DRYING BED HAULI		16.25	18
		4212000025697 4/27/17 SEWER GRIT SCR N DRYING BED HAULI		32.02	18
4212000025697 4/27/17 SEWER GRIT SCR N DRYING BED HAULI		3.25	18		
KENNEDY/JENKS CONSULTANTS, INC CONTRUCTION-DESIGN	20663		31,642.92		
		106269 THRU 10/28/16 T.O.2016-02 RWCPS 48" FORCE MAIN		31,642.92	20
KUMAR, RAJNESH TRAINING	20664		1,331.92		
		6022017 REIM-5/12/17 TRAVEL EXPENSE JENBACHER TRNNG PO		1,331.92	18
LENSCRAFTERS SUPPLIES	20665		105.00		
		1804965810 SAFETY GLASSES - PADUA, BENJAMIN		105.00	18
LIEBERT CASSIDY WHITMORE PROFESSIONAL SERVICES	20666		70.00		
		1440030 THRU 4/30/17 D.A. HALL MGMT PAY PERS APPEAL		70.00	18
LONG, JESSE MISCELLANEOUS	20667		2,899.99		
		6022017 COMPUTER LOAN PER ADMIN POLICY#1987-03, EE TOO		2,899.99	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9785

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
M-I LLC	20668		19,478.75		
MACHINERY AND EQUIP MAINT MATE		2724592 QTY 13 BAGS SULFATREAT		19,478.75	18
MADCO WELDING SUPPLY CO	20669		32.00		
RENTAL/LEASES		G50552 5/16/17 CYLINDER RENTAL		32.00	18
MILLS, DANIEL	20670		532.62		
CONF. & TRAV.		6022017 REIM-4/24-4/28/17 TRAVEL EXEPENSES CWEA ANNUAL		532.62	18
MOTION INDUSTRIES INC.	20671		546.23		
MACHINERY AND EQUIP MAINT MATE		CA24008614 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		166.82	18
		CA24008614 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		212.59	18
		CA24008614 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		166.82	18
MUNIQUEIP INC	20672		118.75		
MACHINERY AND EQUIP MAINT MATE		103819 QTY 1 MISSION OPTION BOARD - PULSE INPUT		118.75	18
OFFICE DEPOT	20673		260.99		
OFFICE SUPPLIES		926593644001 OFFICE SUPPLIES		92.99	18
SUPPLIES		926593644001 OFFICE SUPPLIES		38.60	18
OFFICE SUPPLIES		927819856001 OFFICE SUPPLIES		36.85	18
SUPPLIES		927819856001 OFFICE SUPPLIES		92.55	18
OGASAWARA LANDSCAPE MAINTENANC	20674		2,500.00		
CONTRACT SERV. (NON-MAINT.)		24100 5/17 LANDSCAPE SERVICE		2,500.00	18
PACE SUPPLY CORP	20675		373.57		
MACHINERY AND EQUIP MAINT MATE		938108082 PLUMBING SUPPLIES		276.01	18
MISCELLANEOUS		93871591 PLUMBING SUPPLIES		97.56	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9786

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
PACIFIC GAS AND ELECTRIC COMPA UTILITIES	20676		6,589.54		
		411201724970 3/11-4/10/17 GREENDALE GAS AND ELECTRIC		572.36	18
		518201724970 4/11-5/10/17 GREENDALE GAS AND ELECTRIC		684.72	18
		522201788673 4/14-5/15/17 BLPS ELECTRIC		4,748.31	18
		522201790892 4/14-5/15/17 1406 GAS AND ELECTRIC		584.15	18
PAN-PACIFIC SUPPLY CO. MACHINERY AND EQUIP MAINT MATE	20677		11,851.26		
		29595685 QTY 3 ALLIS CHALMERS IMPELLERS		4,479.38	18
		29596058 QTY 1 REBUILD ALLIS CHALMERS PUMP AND REPLACE		7,371.88	18
PENINSULA BATTERY, INC. MACHINERY AND EQUIP MAINT MATE	20678		478.50		
		121225 QTY 2 BATTERY		367.57	18
		121225 QTY 2 BATTERY		108.75	18
		121225 QTY 2 BATTERY		2.18	18
PEOPLEREADY INC CONTRACT SERV. (NON-MAINT.)	20679		3,720.00		
		22172653 4/24-4/30/17 UTILITY WORKER TEMPORARY STAFF O		1,240.00	18
		22181980 5/1-5/7/17 UTILITY WORKER TEMPORARY STAFF OPS		1,240.00	18
		22218725 5/8-5/14/17 UTILITY WORKER TEMPORARY STAFF OP		1,240.00	18
PRE EMPLOYMENT, INC. PROFESSIONAL SERVICES	20680		61.50		
		31987 BACKGROUND CHECK-ANTHONY BERTOLUCCI		61.50	18
PSC INDUSTRIAL OUTSOURCING, LP CONTRACT SERV. (NON-MAINT.)	20681		1,879.33		
		1311155636 4/17 MAPLE WET WELL CLEANING		1,879.33	18
QUINCY COMPRESSOR LLC MISCELLANEOUS	20682		1,010.38		
		802668 QTY 9 ELEM FILTERS		505.02	18
		802668 QTY 9 ELEM FILTERS		505.36	18

SILICON VALLEY CLEAN WATER  
 WARRANT REGISTER  
 06/02/17

PAGE 9787

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
R & B COMPANY	20683		7,813.90		
SMALL TOOLS		S1642381001 PLUMBING SUPPLIES		6,658.69	18
MACHINERY AND EQUIP MAINT MATE		S1649586001 PLUMBING SUPPLIES		317.77	18
		S1649586001 PLUMBING SUPPLIES		234.66	18
		S1649586001 PLUMBING SUPPLIES		39.85	18
		S1649586001 PLUMBING SUPPLIES		562.93	18
R-SQUARED ENGINEERING, INC.	20684		3,523.50		
MISCELLANEOUS		117472 VARIOUS GEARS AND JOINTS		3,325.27	18
		117472 VARIOUS GEARS AND JOINTS		198.23	18
RED WING SHOE STORE	20685		1,490.41		
SUPPLIES		9152 3/23/17 SAFETY SHOES-M.CHNDLR, SNCHZ, BWLN, MRPHY, RA		1,490.41	18
REDWOOD CITY, CITY OF - FINANC	20686		848.86		
SUPPLIES		BR44140 3/16-4/15/17 FUEL CHARGES		848.86	18
ROCKWELL SOLUTIONS	20687		49,375.45		
CAPITAL		1616 QTY 1 PEDESTAL PUMP		49,375.45	14
ROSAS, DAVID	20688		3,000.00		
MISCELLANEOUS		6022017 COMPUTER LOAN PER ADMIN POLICY#1987-03, EE TOO		3,000.00	18
ROYAL WHOLESALE ELECTRIC	20689		915.45		
SUPPLIES		7003635290 CREDIT MEMO - QTY 100 GALV STEEL 1-1/4		-462.19	18
MISCELLANEOUS		7003636275 VARIOUS CONDUIT PARTS		192.91	18
MACHINERY AND EQUIP MAINT MATE		7003636835 VARIOUS CONDUIT PARTS		17.78	18
SUPPLIES		7003636835 VARIOUS CONDUIT PARTS		106.03	18
MACHINERY AND EQUIP MAINT MATE		7003636835 VARIOUS CONDUIT PARTS		1,060.92	18
S & S SUPPLIES AND SOLUTIONS	20690		783.00		
MACHINERY AND EQUIP MAINT MATE		S3011784001 QTY 6 SENSOR		783.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9788

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SAFETY COMPLIANCE MANAGEMENT I TRAINING	20691	8121 5/17 TRAINING - BLOODBORNE PATHOGENS AND HAZARD C	495.00	495.00	18
SIERRA RESEARCH INC CONSTRUCTION-DESIGN	20692	1154838 3/2-3/30/17 PROFESSIONAL SERVICES	3,847.35	3,847.35	20
STATIONARY ENGINEERS LOCAL 39 MISCELLANEOUS	20693	6022017 ONE TIME UNION INITIATION FEE-PAUL AXIAQ-PPE 5	70.00	70.00	11
SYNAGRO TECHNOLOGIES INC CONTRACT SERV. (NON-MAINT.)	20694	3102879 4/17 BIOSOLIDS HAULING	17,430.25	17,430.25	18
TANNER PACIFIC, INC. CONSTRUCTION-CONTRACTOR	20695	217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO	91,698.01	1,851.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		8,563.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,100.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,364.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		3,174.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		871.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		13,646.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,660.30	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		7,828.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		100.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		16,456.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,443.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		4,488.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		512.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		6,678.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		971.00	20
		217037 5/7-5/20/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		15,441.71	20
CONSTRUCTION-CONTRACTOR		217038 4/9-5/20/17 T.O.2017-01 CONTROL BUILDING HVAC U		4,551.00	14

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9789

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
THE FERGUSON GROUP LLC	20696		5,254.14		
CONTRUCTION-DESIGN		417568 4/17 PROFESSIONAL SERVICES		5,210.50	20
PROFESSIONAL SERVICES		117580C 1/25-1/30/17 PROF SVCS		-1,317.50	18
		117580D REIM-1/25-1/30/17 PROF SVCS		-31.60	18
CONTRUCTION-DESIGN		117580E 1/25-1/30/17 PROFESSIONAL SERVICES		1,317.50	20
		117580F REIM-1/25-1/30/17 PROFESSIONAL SERVICES		31.60	20
PROFESSIONAL SERVICES		217589B 2/17 PROF SVCS		-12,932.00	18
CONTRUCTION-DESIGN		217589C 2/17 PROFESSIONAL SERVICES		12,932.00	20
PROFESSIONAL SERVICES		317570B 3/2017 PROFESSIONAL SERVICES		-1,707.19	18
CONTRUCTION-DESIGN		317570C 3/17 PROFESSIONAL SERVICES		1,674.50	20
		317570D REIM-3/17 PROFESSIONAL SERVICES		32.69	20
		417568B REIM-4/17 PROFESSIONAL SERVICES		43.64	20
THOMAS FISH CO.	20697		126.00		
SUPPLIES		21728 QTY 110 RAINBOW TROUT FISHES		126.00	18
UNIVAR USA INC.	20698		13,267.38		
CHEMICAL SUPPLIES		SJ816000 5/16/17 2297 GAL SOD HYPO 12.5% LIQUICHLOR		1,025.43	18
		SJ813890 5/7/17 4548 GAL SOD HYPO LIQUICHLOR		2,030.31	18
		SJ814769 5/10/17 3799 GAL SOD HYPO LIQUICHLOR		1,695.94	18
		SJ814938 5/11/17 4756.0484 GAL SOD BISULFITE		4,365.34	18
		SJ815284 5/14/17 4501 GAL SOD HYPO LIQUICHLOR		2,009.33	18
		SJ816342 5/17/17 4796 GAL SOD HYPO LIQUICHLOR		2,141.03	18
USA BLUE BOOK	20699		236.97		
MACHINERY AND EQUIP MAINT MATE		255090 QTY 2 FLOWMETER		236.97	18
V&A CONSULTING ENGINEERS, INC.	20700		7,973.00		
CONTRUCTION-DESIGN		16812 4/11-4/30/17 CHLORINE CONTACT TANK ASSESSMENT-CC		7,973.00	20
VALLEY OIL COMPANY (VEHICLE FU	20701		680.83		
SUPPLIES		459703 5/1-5/15/17 FUEL CHARGES COMPANY VEHICLES		680.83	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/02/17

PAGE 9790

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VWR INTERNATIONAL, LLC	20702		221.10		
SUPPLIES		8048655466 LAB SUPPLIES		177.55	18
		8048665040 LAB SUPPLIES		10.89	18
		8048665041 LAB SUPPLIES		32.66	18
WANDRO, ROBERT	20703		930.05		
UTILITIES		6022017 REIM-3/18-4/17/17 CELL PHONE EXPENSE AT&T		45.00	18
CONF. & TRAV.		6022017B REIM-4/25-4/28/17 TRAVEL EXPENSES CWEA ANNUAL		885.05	18
WATSON-MARLOW INC	20704		1,129.41		
MISCELLANEOUS		SI037858 QTY 45M MARPRENE TUBING		1,129.41	18
WELLS FARGO-COMML OPERATIONS	20705		3,070.14		
INTEREST EXPENSES		1710730388 LOC# 7829596836 5/1-5/31/17 INTEREST-LINE O		290.13	20
		1710730388 LOC# 7829596836 5/1-5/31/17 INTEREST-LINE O		1,491.16	20
		1710730388 LOC# 7829596836 5/1-5/31/17 INTEREST-LINE O		464.82	20
		1710730388 LOC# 7829596836 5/1-5/31/17 INTEREST-LINE O		824.03	20
WESTERN ENERGY SYSTEMS	20706		323.04		
MACHINERY AND EQUIP MAINT MATE		3730311 QTY 2 METAL HOSE		323.04	18
YSI INC.	20707		1,276.94		
SMALL TOOLS		683646 QTY 1 PRO OBOD PROBE, QTY 1 ODO SENSOR CAP KIT		1,038.56	18
SUPPLIES		683646 QTY 1 PRO OBOD PROBE, QTY 1 ODO SENSOR CAP KIT		228.38	18
SMALL TOOLS		683646 QTY 1 PRO OBOD PROBE, QTY 1 ODO SENSOR CAP KIT		10.00	18
TOTAL				\$567,266.75	

**SVCW WARRANT REGISTER**

SVCW Warrant Register for the period covering June 1, 2017 to June 15, 2017. A scanned copy was e-mailed to Commissioners on June 15, 2017.



06-16-17


SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
FUND RECAP

PAGE 9809

NAME	FUND	AMOUNT
PAYROLL REVOLVING	11	70.00
CAPITAL IMPROVEMENT FUND OPERATION	14	494,124.35
	18	427,964.06
PLANT - CIP BOND	20	986,441.85
TOTAL FOR APPROVAL		\$1,908,600.26

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9792 THROUGH 9809 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 20708 THROUGH 20803 INCLUSIVE, TOTALING IN THE AMOUNT OF \$1,908,600.26, HAVE BEEN CHECKED IN DETAIL AND APPROVED BY THE PROPER OFFICIALS, AND IN MY OPINION REPRESENT FAIR AND JUST CHARGES AGAINST THE AUTHORITY IN ACCORDANCE WITH THEIR RESPECTIVE AMOUNTS AS INDICATED THEREON.

RESPECTFULLY SUBMITTED,

  
.....  
DEPUTY TREASURER

6/15/17  
DATE

 6/15/2017

6/3/17-6/16/17

 6-15-17

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9792

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ACCELERATED TECHNOLOGY LABORAT	20708		8,318.85		
PROFESSIONAL SERVICES		14969 5/15-5/16/17 ON SITE LIMS ASSESSMENT		8,945.00	18
MISCELLANEOUS		14969NONRESIDEN CA NONRESIDENT 7% WITHHOLDING		-626.15	18
ACE AMERICAN INSURANCE COMPANY	20709		1,005.45		
CONST.-ADMIN. & LEGAL		1105188 THRU 6/1/17 REIMB FOR W/C		1,005.45	20
ALLIANT INSURANCE SERVICES	20710		2,015.00		
ADMINISTRATIVE EXPENSES		615882 7/1/17-7/1/18 CRIME POLICY 1ST ANNUAL PAYMENT		2,015.00	18
ALPHA ANALYTICAL LABORATORIES	20711		590.00		
CONTRACT SERV. (NON-MAINT.)		7061138RPSVCW RWC LAB ANALYSIS		590.00	18
AON RISK INSURANCE SERVICES WE	20712		29.00		
CONST.-ADMIN. & LEGAL		6800000061392 THRU 3/31/17 ADDITIONAL PREM-BUILDERS RI		29.00	20
ASSOCIATED RIGHT OF WAY SERVIC	20713		1,600.00		
CONST.-ADMIN. & LEGAL		14943 11/1/16-2/28/17 T.O.2014-01 REAL ESTATE CONSULTA		1,600.00	20
BARKERBLUE	20714		262.29		
CONST.-ADMIN. & LEGAL		593656 5/30/17 SPEC'S/MASTER TO FILE (DFS)		11.60	20
		593756 5/31/17 BID DOCUMENTS		173.49	20
		593799 5/31/17 SPEC'S/MASTER TO FILE (DFS)		77.20	20
BAY AREA NEWS GROUP - EAST BAY	20715		1,411.55		
CONST.-ADMIN. & LEGAL		1048580 4/13/17 LEGAL AD - SAN MATEO COUNTY TIMES		271.95	14
		1048580 4/13/17 LEGAL AD - SAN MATEO COUNTY TIMES		271.96	14
CONST.-ADMIN. & LEGAL		1055528 5/10/17 TO CONTRACTORS-SOIL STABL PROJ-SAN MAT		590.78	20
		1055528B 5/22/17 HEARING RESOLUTION-FOP-SAN MATEO COUN		138.43	20
		1055528C 5/29/17 HEARING RESOLUTION-GVP-SAN MATEO COUN		138.43	20

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9793

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BEECHER ENGINEERING	20716		1,804.00		
CONSTRUCTION-DESIGN		51743 4/28-5/23/17 T.O.2016-03 PROF ELECTRICAL ENG SVC		902.00	20
		51743 4/28-5/23/17 T.O.2016-03 PROF ELECTRICAL ENG SVC		902.00	20
BRYAN, WILLIAM	20717		6,052.60		
CONSTRUCTION-DESIGN		6162017 REIM-7/16-7/20/16 TRAVEL EXPENSES - KOHLER GRE		1,634.91	20
CONF. & TRAV.		6162017B REIM-4/12/16 WEF ANNUAL MEMBERSHIP		297.00	18
TRAINING		6162017C REIM-7/12/16 WEF TECHNICAL BOOK ORDERS		301.10	18
		6162017C REIM-7/12/16 WEF TECHNICAL BOOK ORDERS		17.50	18
CONSTRUCTION-DESIGN		6162017D REIM-8/6-8/22/16 TRAVEL EXPENSES - KOHLER ACC		886.35	20
CONF. & TRAV.		6162017E REIM-2/8-2/14/17 TRAVEL EXPENSE - AWWA MEMBRA		1,174.97	18
		6162017F REIM-7/9-9/28/16 TRAVEL EXPENSE - WEFTEC ANNU		1,740.77	18
BUCKLES SMITH ELECTRIC COMPANY	20718		1,434.46		
MACHINERY AND EQUIP MAINT MATE		303747000 QTY 3 TRANSDUCER, QTY 3 POTENTIOMETER		464.73	18
		303747000 QTY 3 TRANSDUCER, QTY 3 POTENTIOMETER		13.43	18
MISCELLANEOUS		303747000 QTY 3 TRANSDUCER, QTY 3 POTENTIOMETER		929.44	18
		303747000 QTY 3 TRANSDUCER, QTY 3 POTENTIOMETER		26.86	18
C H BULL COMPANY	20719		1,271.29		
SUPPLIES		1196083 QTY 1 DBI CATWALK CLAMP		1,271.29	18
C.W.E.A. - SCVS	20720		350.00		
MEMB. & MEET.		6162017 5/18/17 CWEA DINNER MEETING		105.00	18
		6162017 5/18/17 CWEA DINNER MEETING		70.00	18
		6162017 5/18/17 CWEA DINNER MEETING		35.00	18
		6162017 5/18/17 CWEA DINNER MEETING		70.00	18
		6162017 5/18/17 CWEA DINNER MEETING		70.00	18
CA ST-BOARD OF EQUALIZATION	20721		544.56		
ADMINISTRATIVE EXPENSES		5242017 ACCT# 036-035582, 1/1/14-12/31/16 HAZARDOUS WA		544.56	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9794

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CALTEST ANALYTICAL LABORATORY	20722		836.10		
CONTRACT SERV. (NON-MAINT.)		573340 SVCW PLANT PERMIT LAB ANALYSIS		836.10	18
CINTAS CORPORATION NO. 3	20723		868.46		
SUPPLIES		464753847 5/30/17 LAUNDRY SERVICE		868.46	18
CONSOLIDATED PARTS INC.	20724		234.90		
MACHINERY AND EQUIP MAINT MATE		5039439 QTY 3 SPLIT CORE CT 400		234.90	18
COUNTY OF SAN MATEO - AIRPORT	20725		97,300.00		
CONST.-ADMIN. & LEGAL		6162017 7/17 PERMIT#5384-LEASE PMT SAN CARLOS AIRPORT		97,300.00	20
COUNTY OF SAN MATEO	20726		170.00		
TRAINING		SD160104 5/31/17 TRAINING SESSIONS - DYE, JERRY		170.00	18
COVELLO GROUP INC., THE	20727		19,125.00		
CONSTRUCTION-CONTRACTOR		201303443 5/17 T.O.2013-02 GLOBAL CM CIP PROJECTS		19,125.00	20
CRYSTAL JANITORIAL SERVICE, IN	20728		4,011.00		
CONTRACT SERV. (NON-MAINT.)		29446 6/2017 JANITORIAL SERVICES		4,011.00	18
DAVID J POWERS AND ASSOCIATES,	20729		14,429.77		
CONTRUCTION-DESIGN		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		793.64	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		7,936.36	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		1,731.57	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		577.19	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		793.64	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		288.60	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		288.60	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		865.79	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		1,010.08	20
		20150217 4/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA - EIR		144.30	20

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9795

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
DKF SOLUTIONS GROUP, LLC	20730		450.00		
CONTRACT SERV. (NON-MAINT.)		13062 6/2017 MY SAFETY OFFICER-MONTHLY SUBSCRIPTION FE		450.00	18
DOWNTOWN FORD SALES	20731		39,815.45		
CAPITAL		304037 QTY 1 2017 FORD EXPOLORER FWD		39,506.70	14
		304037 QTY 1 2017 FORD EXPOLORER FWD		8.75	14
		304037 QTY 1 2017 FORD EXPOLORER FWD		300.00	14
EDGLEY, KIP D.	20732		23,213.64		
CONTRUCTION-DESIGN		606SV1705 5/8-6/4/17 SERVICES INSIDE CA		16,227.00	20
		606SV1705B 5/8-6/4/17 SERVICES OUTSIDE CA		3,240.00	20
		606SV1705C REIM-5/8-6/4/17 TRAVEL EXPENSE		4,882.53	20
MISCELLANEOUS		606SV1705D 7% NONRESIDENT WITHHOLDING		-1,135.89	20
ENVIRONMENTAL RESOURCE ASSOCIA	20733		328.97		
SUPPLIES		831004 LAB SUPPLIES, CHEMICALS		328.97	18
EPIC COMPLIANCE SYSTEMS, INC	20734		534.95		
MACH & EQUIP MAINT SERVICES		200910928 5/26/17 ANNUAL ENVIRONMENTAL HEALTH TESTS		534.95	18
EVOQUA WATER TECHNOLOGIES LLC	20735		9,847.53		
CHEMICAL SUPPLIES		903117120 5/23/17 4312 GAL CALCIUM NITRATE		9,847.53	18
FASTENAL COMPANY	20736		1,716.92		
SUPPLIES		CASAA52914 VENDOR MANAGED RESTOCK		584.46	18
		CASAA52961 VENDOR MANAGED RESTOCK		885.13	18
MACHINERY AND EQUIP MAINT MATE		CASAA53031 VENDOR MANAGED RESTOCK		247.33	18
FENTON, CHARLES	20737		2,854.04		
CONST.-ADMIN. & LEGAL		71 3/13-4/7/17 SERVICES INSIDE CA		1,520.48	20
		71B REIM-3/13-4/7/17 TRAVEL EXPENSE		1,439.99	20
MISCELLANEOUS		71C 7% NONRESIDENT WITHHOLDING		-106.43	20

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9796

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FITZGERALD LAW OFFICES	20738		19,329.30		
CONST.-ADMIN. & LEGAL		6162017 5/17 PROF SVCS - CONVEYANCE SYST 63" FM		3,930.00	20
		5192017F 4/17 PROFESSIONAL SERVICES - LEGAL		-8,275.20	20
		5192017F 4/17 PROFESSIONAL SERVICES - LEGAL		-3,942.00	20
PROFESSIONAL SERVICES		5192017F 4/17 PROFESSIONAL SERVICES - LEGAL		-6,782.70	18
CONST.-ADMIN. & LEGAL		5192017G 4/17 PROF SVCS - CONVEYANCE SYST		8,175.00	20
		5192017H REIM-4/17 PROF SVCS - CONVEYANCE SYST		100.20	20
		5192017I 4/17 PROF SVCS - LT STRATEGIC RECYC WATER PLA		3,942.00	20
PROFESSIONAL SERVICES		5192017J 4/17 PROF SVCS - GENERAL LEGAL		6,682.50	18
		5192017K REIM-4/17 PROF SVCS - GENERAL LEGAL		100.20	18
CONST.-ADMIN. & LEGAL		6162017B REIM-5/17 PROF SVCS - CONVEYANCE SYST 63" FM		138.60	20
		6162017C 5/17 PROF SVCS - LT STRATEGIC RECYC WATER PLA		4,360.50	20
		6162017D REIM-5/17 PROF SVCS - LT STRATEGIC RECYC WATE		81.00	20
PROFESSIONAL SERVICES		6162017E 5/17 PROF SVCS - GENERAL LEGAL		10,719.00	18
		6162017F REIM-5/17 PROF SVCS - GENERAL LEGAL		100.20	18
FIVESKY	20739		88,167.29		
MACH & EQUIP MAINT SERVICES		FSUSIN6137B 5/11/17 VMIWARE ANNUAL SW SUPPORT SALES TA		621.04	18
PROFESSIONAL SERVICES		FSUSIN6229 PROFESSIONAL SERVICES-VIRTUALIZATION UPGRAD		13,500.00	18
		FSUSIN6230 PROFESSIONAL SERVICES-SD WAN DEPLOYMENT		6,000.00	18
CAPITAL		FSUSIN6231 CISCO SWITCH IT DEPT - NEXUS OPTION 1 EQUIP		46,449.52	14
SMALL TOOLS		FSUSIN6246 CISCO VOICE GATEWAY ROUTER		14,044.04	18
SUPPLIES		FSUSIN6247 CABLE FIBER PATCH LC TO LC DUPLEX CONNECTOR		3,588.75	18
		FSUSIN6249 CISCO VOICE SOFTWARE LICENSE		3,963.94	18
FRANK A. OLSEN CO.	20740		114,929.39		
CONSTRUCTION-CONTRACTOR		2POM10816 5/1-5/22/17 PRG PMT#2 PUMP STATION VALVE PRO		55,238.28	14
		2POM10816 5/1-5/22/17 PRG PMT#2 PUMP STATION VALVE PRO		55,238.29	14
MISCELLANEOUS		237913 QTY 3 DEZURIK VALVE PLUG		4,452.82	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9797

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FREYER & LAURETA, INC	20741		18,076.90		
CONTRUCTION-DESIGN		17032 12/16 2014-04 CONVEYANCE SYST PROG - LAND USE PL		340.00	20
		17032 12/16 2014-04 CONVEYANCE SYST PROG - LAND USE PL		340.00	20
CONSTRUCTION-CONTRACTOR		17311 4/17 T.O.2016-03 PUMP STATION VALVE REPLACEMENT		8,698.45	14
		17311 4/17 T.O.2016-03 PUMP STATION VALVE REPLACEMENT		8,698.45	14
FRONTIER ANALYTICAL LABORATORY	20742		800.00		
CONTRACT SERV. (NON-MAINT.)		19976 NPDES PERMIT LAB ANALYSIS		800.00	18
GALLAGHER BENEFIT SERVICES, IN	20743		12,000.00		
PROFESSIONAL SERVICES		117169 THRU 5/15/17 PROF CONSULTING SVCS		12,000.00	18
GRAINGER	20744		437.98		
MISCELLANEOUS		9455623547 RESTOCK ITEMS		42.93	18
		9456728691 RESTOCK ITEMS		139.08	18
SMALL TOOLS		9461398365 RESTOCK ITEMS		114.03	18
SUPPLIES		9461398365 RESTOCK ITEMS		5.81	18
MACHINERY AND EQUIP MAINT MATE		9461398365 RESTOCK ITEMS		42.20	18
		9461398373 RESTOCK ITEMS		56.51	18
		9465225465 RESTOCK ITEMS		18.06	18
		9465225465 RESTOCK ITEMS		19.36	18
HANSON BRIDGETT LLP	20745		28,315.00		
PROFESSIONAL SERVICES		1191006 4/17 LEGAL SVCS-PUBLIC WORKS CONTRACTING&INFRA		28,315.00	18
HARRINGTON INDUST PLASTICS	20746		267.42		
MACHINERY AND EQUIP MAINT MATE		3K9425 PLUMBING SUPPLIES		267.42	18
JENTECH SERVICES	20747		7,242.80		
MACH & EQUIP MAINT SERVICES		2231 5/26-6/8/17 INSTRUMENT CALIBRATION		190.00	18
		2231 5/26-6/8/17 INSTRUMENT CALIBRATION		5,035.00	18
		2231 5/26-6/8/17 INSTRUMENT CALIBRATION		2,017.80	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9798

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
JM SQUARED & ASSOCIATES, INC.	20748		6,464.10		
MISCELLANEOUS		1177199 VARIOUS PARTS FOR FAIRBANKS MORSE		178.35	18
		1177199 VARIOUS PARTS FOR FAIRBANKS MORSE		126.15	18
		1177199 VARIOUS PARTS FOR FAIRBANKS MORSE		3,797.55	18
		1177199 VARIOUS PARTS FOR FAIRBANKS MORSE		1,539.90	18
		1177199 VARIOUS PARTS FOR FAIRBANKS MORSE		822.15	18
KELLER INDUSTRIES INC	20749		275.00		
MACH & EQUIP MAINT SERVICES		15670 QTY 1 MACHINED SLEEVE		275.00	18
KUMAR, RAJNESH	20750		437.70		
TRAINING		6162017 REIM-5/22-5/25/17 TRAVEL EXPENSE - GE JENBACHE		437.70	18
MADCO WELDING SUPPLY CO	20751		46.25		
RENTAL/LEASES		9910 5/17/17 CYLINDER RENTAL		46.25	18
MATTHEW BENDER & CO INC	20752		277.00		
SUPPLIES		93287771 AMERICANS W/ DISABILITIES ACT RELEASE#43		277.00	18
MENLO PARK, CITY OF	20753		117.13		
UTILITIES		526201735494 4/20-5/22/17 MPPS WATER SERVICE		117.13	18
METTLER-TOLEDO, INC.	20754		4,876.91		
MACHINERY AND EQUIP MAINT MATE		634358330 QTY 1 HAL MOISTURE ANALYZER HC103		4,876.91	18
MOTION INDUSTRIES INC.	20755		289.57		
SUPPLIES		CA24006940 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		101.05	18
MISCELLANEOUS		CA24006940 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		30.15	18
MACHINERY AND EQUIP MAINT MATE		CA24008818 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		113.13	18
		CA24008818 VARIOUS SIZES IND HOSE ENDS AND STEEL CLAMP		45.24	18



SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9799

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
NAVIA BENEFIT SOLUTIONS	20756		190.00		
ADMINISTRATIVE EXPENSES		10090993 5/2017 PARTICIPANT FEE		190.00	18
OFFICE DEPOT	20757		280.13		
OFFICE SUPPLIES		930742958001 OFFICE SUPPLIES		247.09	18
SUPPLIES		930742958001 OFFICE SUPPLIES		33.04	18
OTIS ELEVATOR COMPANY	20758		4,019.62		
MACH & EQUIP MAINT SERVICES		SJ37027002 11/9-11/28/16 W.O.110406-1 TROUBLESHOOTING		4,019.62	18
PACIFIC GAS AND ELECTRIC COMPA	20759		108,613.20		
UTILITIES		76413301 4/17 DEPARTING LOAD		12,635.69	18
		524201719225 4/15-5/17/17 SCPS ELECTRIC		28.32	18
		530201783066 4/27-5/25/17 PLANT ELECTRIC		80,274.07	18
		531201726195 4/24-5/23/17 MPPS ELECTRIC		6,054.14	18
		601201703894 4/26-5/24/17 RCPS LYNGSO ELECTRIC		15.25	18
		601201743834 4/26-5/24/17 RCPS ELECTRIC		8,832.97	18
		605201765919 4/30-5/31/17 GEN COGEN GAS		772.76	18
PENINSULA SECURITY SERVICES	20760		465.00		
MACH & EQUIP MAINT SERVICES		54480 JUL-SEP 2017 FIRE INSPECTION		465.00	18
POLYDYNE, INC.	20761		42,521.25		
CHEMICAL SUPPLIES		1143053 5/30/17 39100 CLARIFLOC C-6265		42,521.25	18
POWELL, THOMAS	20762		700.56		
TRAINING		6162017 REIM-5/22-5/25/17 TRAVEL EXPENSE - GE JENBACHE		700.56	18
PURE AIR FILTRATION, LLC	20763		14,651.28		
MACHINERY AND EQUIP MAINT MATE		2017161 MEDIA SCRUBBER PURE AIR		5,088.55	18
		2017161 MEDIA SCRUBBER PURE AIR		8,982.73	18
		2017161 MEDIA SCRUBBER PURE AIR		580.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9800

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
PURE TEC INDUSTRIAL WATER	20764		297.00		
MACH & EQUIP MAINT SERVICES		1565019 6/1-8/31/17 DI-WATER SYSTEM MAINTENANCE SERVIC		42.00	18
		1565020 6/1-8/31/17 DI WATER SYSTEM MAINTENACE SERVICE		255.00	18
R & B COMPANY	20765		125.99		
SUPPLIES		S1651510001 PLUMBING SUPPLIES		86.64	18
MACHINERY AND EQUIP MAINT MATE		S1651510002 PLUMBING SUPPLIES		39.35	18
R & S ERECTION NORTH PENINSULA	20766		285.00		
MACH & EQUIP MAINT SERVICES		41652 1/17/17 REPAIR STEEL ROLL UP DOOR		285.00	18
REAGAN-HACKETT, KIMBERLY	20767		532.53		
CONF. & TRAV.		6162017 REIM-3/12-4/28/17 TRAVEL EXPENSE - CWEA ANNUAL		532.53	18
REDWOOD CITY, CITY OF - FINANC	20768		11,119.55		
PROFESSIONAL SERVICES		BR44345 5/17 ACCOUNTING SERVICES		11,119.55	18
REDWOOD CITY, CITY OF - WATER	20769		3,503.96		
UTILITIES		528201706774 4/28-5/28/17 RCPS WATER SERVICE		107.55	18
		528201719903 4/28-5/28/17 1406 WATER, SEWER, GARBAGE,		211.97	18
		528201719929 4/28-5/28/17 1406 FIRE SERVICE		96.00	18
		528201786984 4/28-5/28/17 PLANT WATER, GARBAGE SERVICE		3,088.44	18
REPLICATED GRASS SYSTEMS, LLC	20770		18,200.00		
CONSTRUCTION-CONTRACTOR		6162017 6/17 PMT#1 GREENDALE PROPERTY PERMASCAPE		18,200.00	14
REPLICATED GRASS SYSTEMS, LLC	20771		23,832.00		
CONSTRUCTION-CONTRACTOR		6162017B 6/17 PMT#2 GREENDALE PROPERTY PERMASCAPE		23,832.00	14
RICE LAKE WEIGHING SYSTEMS	20772		706.16		
MISCELLANEOUS		4411188TAX SALES TAX LIABILITY		-60.38	18
MACH & EQUIP MAINT SERVICES		4411188 QTY 4 NIST TRACEABLE CALIBRATION, QTY 1 NIST W		766.54	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9801

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ROPER MAJESKI KOHN BENTLY CONSTRUCTION-CONTRACTOR	20773	3POM10699 PRG PMT#3 & COUNTY IMPROVEMENTS AT 379 GREEN	228,080.00	228,080.00	14
ROSEMOUNT INC. MACHINERY AND EQUIP MAINT MATE	20774	71105952 CREDIT MEMO FOR ORIG INV 71091598	6,487.38	-78.36	18
		71091598 QTY 2 SCALABLE ADVANCED LEVEL TRANSMITTERS		4,143.80	18
		71091598 QTY 2 SCALABLE ADVANCED LEVEL TRANSMITTERS		2,421.94	18
ROYAL WHOLESALE ELECTRIC SUPPLIES MACHINERY AND EQUIP MAINT MATE	20775	7003636296 VARIOUS CONDUIT PARTS 7003636296 VARIOUS CONDUIT PARTS	661.70	40.91 620.79	18 18
S & S SUPPLIES AND SOLUTIONS MACHINERY AND EQUIP MAINT MATE	20776	S3011784003 FREIGHT CHARGE FOR S3011784.001	7.72	7.72	18
SAFETY COMPLIANCE MANAGEMENT I TRAINING	20777	8164 6/7/17 TRAINING - GANTRY CRANE REFRESHER TRAINING	795.00	795.00	18
SAN FILIPPO, JOHN UTILITIES	20778	5252017 REIMB 2/26/17-5/25/17 AT&T CHARGES CELL PHONE	135.00	135.00	18
SAN MATEO COUNTY ENVIRONMENTAL ADMINISTRATIVE EXPENSES	20779	291363 BPS STORMWATER ANNUAL FEE 291363 BPS STORMWATER ANNUAL FEE 291363 BPS STORMWATER ANNUAL FEE	742.00	636.00 35.00 71.00	18 18 18
SAN MATEO COUNTY MOSQUITO AND CONTRACT SERV. (NON-MAINT.)	20780	SM1700052 4/30/17 MOSQUITO AND VECTOR CONTROL	150.82	150.82	18
SANDUL, DUANE PROFESSIONAL SERVICES	20781	5SVCW2017 5/2017 PROFESSIONAL SERVICES	1,700.00	1,700.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SILICON VALLEY CLEAN WATER (EE SUPPLIES	20782	6162017 7/17 COMPENSATION-EMPLOYEE ANNIVERSARY	125.00	125.00	18
SILICON VALLEY CLEAN WATER (SA ADMINISTRATIVE EXPENSES	20783	6162017 7/17 SAFETY INCENTIVE	1,875.00	1,875.00	18
STATE WATER RESOURCES CONTROL MISCELLANEOUS INTEREST EXPENSES	20784	6162017 C#11827-550-0 AR#11827-17-4 6/30/17 SRF ADMIN	742,501.64	479,945.90	20
		6162017 C#11827-550-0 AR#11827-17-4 6/30/17 SRF ADMIN		262,555.74	20
STATE WATER RESOURCES CONTROL TRAINING	20785	6022017 SWRCB AARON GILBERT GRADE 3-CERT#7538 OPERATOR	300.00	300.00	18
STATIONARY ENGINEERS LOCAL 39 MISCELLANEOUS	20786	6162017 ONE TIME UNION INITIATION FEE-TIFFANY ISHAYA-P	70.00	70.00	11
STERLING & ASSOCIATES INC CONTRACT SERV. (NON-MAINT.)	20787	170601 FACILITY AIR MONITORING	4,840.00	4,840.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9803

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TANNER PACIFIC, INC.	20788		76,044.54		
CONSTRUCTION-CONSTRUCTION MGMT		217036 3/12-6/3/17 T.O.2017-03 PUMP STATION VALVE REPL		3,390.00	14
		217036 3/12-6/3/17 T.O.2017-03 PUMP STATION VALVE REPL		3,390.00	14
CONSTRUCTION-CONTRACTOR		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		4,290.30	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,920.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,552.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		3,860.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		6,134.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		850.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		11,120.62	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		5,756.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,400.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		11,158.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,715.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		268.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,180.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,620.00	20
		217042 5/21-6/3/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		7,370.62	20
PROFESSIONAL SERVICES		217043 5/7-6/3/17 T.O.2016-03 CONSTRUCTION ADVISORY SV		3,520.00	18
CONSTRUCTION-CONSTRUCTION MGMT		217044 1/1-6/3/17 T.O.2016-06 CONSTR MGMT-SAN CARLOS W		2,550.00	14
THERMAL EDGE INC	20789		6,410.05		
MISCELLANEOUS		34517IN QTY 1 HIGH CAPACITY SERIES AC		6,410.05	18
TOYOTA MATERIAL HANDLING	20790		516.52		
MACHINERY AND EQUIP MAINT MATE		C31124 QTY 1 CHARGER, CART		516.52	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9804

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	20791		14,586.66		
SUPPLIES		5222017BB1 5/4/17 IPAD PRO - IT DEPT - APPLE STORE		873.91	18
		5222017BB2 5/4/17 IPAD PRO -IT DEPT - APPLE STORE		873.91	18
		5222017BB3 5/11/17 LICENSE FEE GO TO MEETING - LOGMEIN		1,044.00	18
		5222017BB4 5/14/17 MICROSOFT OFFICE 365 LICENSE - MICR		56.00	18
		5222017BB5 5/14/17 MICROSOFT OFFICE 365 LICENSE - MICR		186.00	18
MEMB. & MEET.		5222017DC1 4/24/17 WEF MEMBERSHIP RENEWAL - W		312.00	18
SUPPLIES		5222017DC2 5/6/17 HERTZ - REIM BY EE CK#1252 DTD 5/30/		89.14	18
MEMB. & MEET.		5222017DC3 5/10/17 BUSINESS MEETING EXPENSE - GRILL HO		123.00	18
CONF. & TRAV.		5222017DC4 5/15/17 CASA 2017 ANNUAL CONFERENCE REGISTR		550.00	18
		5222017DC5 5/15/17 CASA 2017 ANNUAL CONFERENCE REGISTR		1,100.00	18
SUPPLIES		5222017DC6 5/18/17 FUEL EXPENSE - CHEVRON		79.25	18
		5222017DC7 5/18/17 FUEL EXPENSE - CHEVRON		75.00	18
CONF. & TRAV.		5222017DM1 4/29/17 CWEA ANNUAL CONFERENCE 2017 HOTEL C		884.96	18
CONSTRUCTION-CONTRACTOR		5222017DM4 5/10/17 ICE CHEST TO SHIP WASTEWATER SAMPLE		86.99	20
CONF. & TRAV.		5222017EM1 4/26/17 2017 CWEA REGISTRATION FEE - COURTY		208.54	18
TRAINING		5222017EM2 4/27/17 SUPERVISOR'S SAFETY SEMINAR FEE FOR		42.99	18
CONF. & TRAV.		5222017EM3 4/29/17 2017 CWEA ANNUAL CONFERENCE HOTEL-B		666.54	18
		5222017EM4 4/29/17 2017 CWEA CONFERENCE HOTEL-KEMP - C		858.78	18
		5222017EM5 4/29/17 2017 CWEA ANNUAL CONFERENCE HOTEL-H		649.91	18
TRAINING		5222017EM6 5/5/17 CWEA TCP CERTIFICATE RENEWAL-KUMAR -		88.00	18
MEMB. & MEET.		5222017EM7 5/19/17 CWEA TCP APPLICATION-SANCHEZ - CA W		160.00	18
SUPPLIES		5222017IS1 5/10/17 COMMISSION MEETING REFRESHMENTS-NOB		15.47	18
		5222017IS2 5/18/17 USB FLASHDRIVES FOR IT - OFFICE DEP		65.12	18
		5222017IS3 5/18/17 CLEANING SUPPLIES FOR LUNCHROOM - O		7.60	18
		5222017IS4 5/18/17 USB FLASHDRIVES FOR IT, CLEANING SU		118.92	18
		5222017IS4 5/18/17 USB FLASHDRIVES FOR IT, CLEANING SU		70.63	18
PROFESSIONAL SERVICES		5222017JF1 4/26/17 LCW LMP3 PERSONNEL POLICY PORTAL 3		5,000.00	18
TRAINING		5222017JF2 5/11/17 LCW WEBINAR - NEGOTIABLE ITEMS - LI		70.00	18
		5222017JF3 5/16/17 LCW WEBINAR - HIRING CALPERS RETIRE		70.00	18
SUPPLIES		5222017LB1 5/17/17 FASTRAK TOLL		160.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	20792		4,705.69		
MEMB. & MEET.		5222017MA1 4/26/17 ERP PLANNING MEAL EXPENSE - THE GRI		57.77	18
MACH & EQUIP MAINT SERVICES		5222017MH1 5/10/17 AMAZON.COM REIMB BY BE CK#1415 DTD		18.31	18
		5222017MH2 5/18/17 SVCW VEHICLE MAINTENANCE - AUTO PRI		69.47	18
TRAINING		5222017RH1 5/12/17 AIRFARE-MARIA GAWAT TRAINING-SOUTHW		474.95	18
CONF. & TRAV.		5222017VV1 5/5/17 TRAVEL EXPENSE HOTEL ROOM FOR HERRER		257.63	18
		5222017VV2 5/5/17 TRAVEL EXPENSE HOTEL ROOM FOR HERRER		257.63	18
		5222017VV3 5/5/17 TRAVEL EXPENSE HOTEL ROOM FOR ANDERS		257.63	18
		5222017VV4 5/5/17 TRAVEL EXPENSE HOTEL ROOM FOR ANDERS		257.63	18
MISCELLANEOUS		5222017DM3TAX SALES TAX LIABILITY		-1.37	18
		5222017JD1TAX SALES TAX LIABILITY		-47.68	18
		5222017JD4TAX SALES TAX LIABILITY		-7.88	18
		5222017JD5TAX SALES TAX LIABILITY		-57.73	18
		5222017DM10TAX SALES TAX LIABILITY		-5.67	18
MACHINERY AND EQUIP MAINT MATE		5222017DM10 5/18/17 PLC LITHIUM BATTER - BATTERY GUY		76.67	18
SMALL TOOLS		5222017DM11 5/18/17 CARPORT DEPOSIT - CARPORTS AND MOR		731.25	18
MACHINERY AND EQUIP MAINT MATE		5222017DM12 5/18/17 BLACK TWIN TRACK UPRIGHT - HOME DE		59.57	18
MISCELLANEOUS		5222017DM2 5/9/17 COSTCO WATER		276.00	18
TRAINING		5222017DM3 5/9/17 QTY 1 COVEY-SPEED OF TRUST PRESENTAT		17.02	18
MACHINERY AND EQUIP MAINT MATE		5222017DM5 5/12/17 QTY 1 CANTILEVER SINGLE SIDE-ULINE		1,079.97	18
		5222017DM6 5/13/17 QTY 2 TUBE HEATER REFRIGERATOR WATE		96.38	18
SUPPLIES		5222017DM7 5/14/17 NOISE CANCELLING HEADPHONES - BEST		227.05	18
MACHINERY AND EQUIP MAINT MATE		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		173.49	18
		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		60.60	18
		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		3.77	18
		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		16.83	18
		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		108.66	18
		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		16.25	18
		5222017DM8 5/17/17 VARIOUS REPAIR PARTS - HOME DEPOT		12.53	18
		5222017DM9 5/17/17 SPRAY PAINT - HOME DEPOT		13.04	18
		5222017JD1 4/25/17 QTY 2 MPPS GENERATOR ENGINE BLOCK H		205.92	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9806

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	20793		3,286.02		
MACHINERY AND EQUIP MAINT MATE		5222017JD1 4/25/17 QTY 2 MPPS GENERATOR ENGINE BLOCK H		592.60	18
		5222017JD10 5/9/17 QTY 6 CONNECTOR BARREL SPLICE - ALA		54.08	18
		5222017JD2 4/25/17 QTY 1 CAGE COVER PROTECTIVE SAFETY-		320.81	18
		5222017JD2 4/25/17 QTY 1 CAGE COVER PROTECTIVE SAFETY-		11.84	18
		5222017JD3 4/26/17 SERVICE REPAIR BIKE - MOTOSTRANO		517.99	18
SUPPLIES		5222017JD4 4/26/17 QTY 2 NEMA JUNCTION BOXES - SEPTIC		97.88	18
MACHINERY AND EQUIP MAINT MATE		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		85.43	18
		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		231.09	18
		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		13.30	18
		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		67.48	18
		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		130.83	18
		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		84.23	18
		5222017JD5 4/27/17 RUSCO KIT FILTER PARTS - FRESH WATE		118.48	18
		5222017JD6 4/28/17 QTY 3 1/8" MICROBARB CHECK VALVE -		50.82	18
		5222017JD7 5/3/17 QTY 1 PAINT STRIPPER CAN - AEROSOL S		24.71	18
		5222017JD7 5/3/17 QTY 1 PAINT STRIPPER CAN - AEROSOL S		97.86	18
SMALL TOOLS		5222017JD8 5/5/17 QTY 1 WATER COOLER DISPENSER - COSTC		163.11	18
MISCELLANEOUS		5222017JD8 5/5/17 QTY 1 WATER COOLER DISPENSER - COSTC		18.48	18
SMALL TOOLS		5222017JD9 5/8/17 QTY 2 LOCK SECURITY ROLLOFF CONTAIN		6.87	18
		5222017JD9 5/8/17 QTY 2 LOCK SECURITY ROLLOFF CONTAIN		598.13	18
UNIVAR USA INC.	20794		10,161.08		
CHEMICAL SUPPLIES		SJ817459 5/22/17 4569 GAL SOD HYPO LIQUICHLOR		2,039.67	18
		SJ817490 5/25/17 3998 SOD HYPO LIQUICHLOR		1,784.78	18
		SJ817748 5/26/17 4919.3548 SOD BISULFITE		4,515.24	18
		SJ818431 5/30/17 4080 SOD HYPO LIQUICHLOR		1,821.39	18
US POSTAL SERVICE (POSTAGE-BY- OFFICE SUPPLIES	20795	6162017 POSTAGE REFILL-A/C 18400358	350.00	350.00	18



SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

PAGE 9807

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VALLEY OIL COMPANY	20796		493.05		
MACHINERY AND EQUIP MAINT MATE		38562 5/10/17 MOBIL OIL		493.05	18
VALLEY OIL COMPANY (VEHICLE FU	20797		686.84		
SUPPLIES		461083 5/16-5/26/17 FUEL CHARGES COMPANY VEHICLES		686.84	18
VERIZON WIRELESS	20798		1,664.35		
UTILITIES		9786058145 4/20-5/19/17 VERIZON SERVICE		1,578.31	18
		9786058146 4/20-5/19/17 VERIZON SERVICE		76.02	18
		9786363079 4/24-5/23/17 VERIZON SERVICE		10.02	18
WANDRO, ROBERT	20799		45.00		
UTILITIES		6162017 REIM-4/18-5/17/17 CELL PHONE EXPENSE AT&T		45.00	18
WESTERN ENERGY SYSTEMS	20800		16,128.96		
MACH & EQUIP MAINT SERVICES		3746178 4/17 LTSA SERVICE AGREEMENT UNIT 1		8,064.48	18
		3746179 4/17 LTSA SERVICE AGREEMENT UNIT 2		8,064.48	18
WESTIN ENGINEERING, INC.	20801		775.00		
PROFESSIONAL SERVICES		3188 THRU 5/26/17 PROFESSIONAL SERVICES		775.00	18
WONG, RAYMOND	20802		3,000.00		
MISCELLANEOUS		6162017 COMPUTER LOAN PER ADMIN POLICY#1987-03, EE TOO		3,000.00	18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
06/16/17

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WRA ENVIRONMENTAL CONSULTANTS CONSTRUCTION-DESIGN	20803		6,456.49		
		201711629469 4/17 T.O.2015-03 BIO & PERMIT SVCS - EIR,		404.48	20
		201711629469 4/17 T.O.2015-03 BIO & PERMIT SVCS - EIR,		404.46	20
		201711629469 4/17 T.O.2015-03 BIO & PERMIT SVCS - EIR,		404.48	20
		201711629469 4/17 T.O.2015-03 BIO & PERMIT SVCS - EIR,		404.48	20
		201711629469 4/17 T.O.2015-03 BIO & PERMIT SVCS - EIR,		404.48	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		14.65	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		175.79	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		80.57	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		80.57	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		87.90	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		29.30	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		29.30	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		805.70	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		102.54	20
		201711829468 4/17 T.O.2016-01 BIO & PERMIT SVCS - EIR,		58.60	20
		201711929467 4/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		1,633.05	20
		201711929467 4/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		445.38	20
		201711929467 4/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		445.38	20
		201711929467 4/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		445.38	20
		TOTAL		\$1,908,600.26	

**SITE STABILIZATION GRADING AND DRAINAGE PROJECT  
(CIP #6013)  
ENGINEERING SERVICES DURING CONSTRUCTION**

**ISSUE**

Approval of Freyer & Laureta Task Order for Engineering Services During Construction for the Site Stabilization Grading and Drainage Project (CIP #6013)

**BACKGROUND**

SVCW's Regional Environmental Sewer Conveyance Upgrade (RESCU) Program includes conveyance system improvements to transport wastewater from member agencies' collection systems to the SVCW wastewater treatment plant. A major component of the conveyance system is a gravity pipeline constructed by tunneling methods from the north edge of Inner Bair Island to the plant. Once wastewater reaches the plant from the gravity pipeline, it will be lifted via a new receiving lift station to an elevation that will allow the water to gravity flow through a screening and grit removal facility (headworks), and through new influent connector pipes to the existing primary sedimentation tanks. These new facilities are to be located on the 10-acre area that was previously filled with recycled water at the front of the plant.

The 10-acre area is underlain with very soft San Francisco bay muds (Young Bay Mud) which offers very little structural integrity, even to the point that vehicles and equipment will sink. To construct the improvements needed at the treatment plant, the soils within the front of plant area need to be stabilized and the site prepared for contractor and SVCW access and use. Soil stabilization and site preparation is scheduled for summer 2017. Stabilization of the area will allow work on the gravity pipeline and front of plant facilities to begin in summer 2018.

Freyer & Laureta (F&L) prepared the design of the Front of Plant (FoP) civil site improvements to support the conveyance system projects listed above. F&L prepared the bid documents for the site stabilization grading and drainage project work because they are a highly specialized civil design firm particularly well suited for this type of design. The project was publicly advertised for bidding and, at the June 2017 meeting, the Commission awarded the construction project to Teichert Construction.

The construction project includes the following major components:

- Lime stabilization of the top 18" of soil within the pond to create a stable working surface.
- Fill imported to the site and placed on the stabilized surface. Fill will be graded and compacted to raise the site for future improvements and to promote drainage. Fill is anticipated to be between 30,000 to 35,000 cubic yards.
- Storm drainage piping connecting to the WWTP's existing storm drain system.
- A new driveway and parking lot (55 stalls) will be constructed to replace parking that will be lost due to front of plant improvements.
- Lighting for the new parking lot will be constructed.

- New pedestrian access from parking lot to the plant will be constructed.
- Utility corridors that allows for future utilities from the plant to cross the new parking and driveways without the need to retrench will be installed.
- Power and communication for planned construction trailers at the front of plant will be installed.

## DISCUSSION

Engineering support from the design team is needed during the course of construction. F&L is a specialized firm for civil engineering work and, having prepared the design documents for this project, have deep knowledge as to the needs of construction. This Item seeks Commission authorization for F&L to provide tasks associated with Engineering Services During Construction.

The SVCW Engineering Director and Freyer & Laureta negotiated a scope of work and budget for Engineering Services During Construction in the amount of \$175,588. The scope of work includes the following tasks:

- Construction Staking  
Work under this task will involve topographical survey to set stakes for the construction contractor to use to set grades throughout the 10-acre site.
- Engineering Services During Construction  
This task will ensure that the construction is in substantial conformance to the contract documents and includes:
  - Interpretation of contract documents, review of extra work requests, shop drawings and other contractor submittals
  - Provide engineering technical support during construction
  - Site visits to resolve field issues as needed
  - Transfer Contractor As-Builts into AutoCAD drawings for SVCW archiving
  - Project close-out support
  - Attend weekly construction meetings through the duration of the project.

## FINANCIAL IMPACTS

The Task Order will be funded from Receiving Lift Station project (CIP #6013), which has an allocated budget of \$41 million. The construction contract to Teichert Construction was in the amount of \$4.2 million; the not-to-exceed fee to F&L for the work described in the Task Order is \$175,588 which represents approximately 4.1% of the construction budget; this is well within industry standards for Engineering Services During Construction.

## RECOMMENDATION

Move approval of TASK ORDER SCOPE AND BUDGET FOR ENGINEERING SERVICES FOR THE SITE STABILIZATION GRADING AND DRAINAGE PROJECT (CIP #6013) IN AN AMOUNT NOT TO EXCEED \$175,588 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – FREYER & LAURETA, INC.

**FRONT OF PLANT PROJECTS (CIP #s 6013, 6014, 9160)  
AUTOMATION STANDARDS AND AUTOMATION INTEGRATION CONSULTING  
SERVICES TASK ORDER**

ISSUE

Approval of Cascade Integration and Development Task Order for Automation Standards and Automation Integration Consulting Services for Front of Plant Projects

BACKGROUND

SVCW's Regional Environmental Sewer Conveyance Upgrade (RESCU) Program, includes conveyance system improvements to transport wastewater from member agencies' collection systems to the SVCW wastewater treatment plant. One component of the conveyance system is a gravity pipeline constructed by tunneling methods from the north edge of Inner Bair Island to the plant. Once wastewater from the gravity pipeline reaches the receiving shaft at SVCW, it flows through facilities constructed under the Front of Plant projects. The Front of Plant projects will include a new receiving lift station to lift the water from the gravity pipe to a new screening and grit removal facility (headworks), and new influent connector pipes in which water will flow to the existing primary sedimentation tanks. All the new facilities are to be automated with the same standards and best practices used at the existing SVCW facilities (treatment plant and pump stations).

The Front of Plant projects will be delivered using a Progressive Design Build approach in which SVCW provides a 5-10% level of project design, then the design-build teams take the design to the 60% level. After the 60% design level is reached, the team develops a price for completing the design and constructing the facilities. For automation of the facilities, the design-build teams need clear and documented direction to satisfy SVCW's unique automation requirements during both the Request for Proposal (RFP) phase as well as during the design stage of the design-build process. Standardized automation documentation allow the design-build teams to propose a system that is easily integrated into SVCW's existing automated operating procedures.

Because a standardized approach to automation is so vital, staff is recommending that all the proposing design-build teams subcontract with a single system integrator, named by SVCW. This will ensure a seamless transition from design through construction and into operation. The alternative would be to have each team propose their own system integrator who is not familiar with SVCW's requirements nor with the graphics, control narratives, control strategies, and Supervisory Control and Data Acquisition (SCADA) security and intertie protocols. SVCW's automation protocols have been in development for the past nine years; the learning curve for system integrators unfamiliar with these protocols would be very steep and extremely ineffective.

DISCUSSION

For the life of SVCW's Capital Improvement Program, Cascade Integration and Development (CID) has been providing the integration of capital projects at SVCW,

tying in both new and existing facilities to the SCADA system, building Human-Machine Interface (HMI) screens, and developing fully automated and functional interfaces. CID has unique skills and familiarity with the existing SVCW automation needs and protocols and the level of trust by SVCW staff for the work that CID does is very high. For these reasons, engineering staff has requested CID to provide automation services for SCADA systems for the FoP projects and to work as a sub-consultant to whichever design-build firm is ultimately selected to complete the project.

To ensure that all proposing design-build firms understand the role CID will play and how to integrate them into the design-build team, staff has worked with CID to develop a scope of work and budget for their Stage 1, design stage services, as well as having CID define the integration needs for the entire FoP project through construction. This enables the design-build firms to have a clear understanding of the work CID would perform and how their work would tie into the design-build firm's scope of work. This also has the benefit of ensuring an even playing field for all proposing design-build teams; they will all be using the same scope of work and budget for integrating CID into their teams. Finally, since SVCW is requesting an "Indicative cost" by the design-build proposers (an Indicative cost is the teams' estimate of the cost for the entire project, from design, through construction, and into post-construction services), CID will prepare the indicative cost for integration services.

In addition to working as a sub-consultant to the successful design-build team, staff has also requested CID to lead the update and development of automation standards for SVCW. These standards will be used not only by the successful design-build team but also all other design firms that do work for SVCW capital projects.

The Task Order scope of work includes the two major emphases: Front of Plant specific project requirements and agency-wide automation standards. The specific tasks include the following components and deliverables:

- Identify and develop systems integration tasks and indicative cost for the entire Front of Plant project
- Review and develop required documents for the project with emphasis on:
  - Control Narratives
  - Input/Output (I/O) lists
  - Process and Instrumentation Design (P&IDs)
  - Equipment Lists
  - Scheduling
- Develop a systems integration task and cost worksheet
- Author the Automation Standards document
- Weekly review meetings
- Onsite meetings to work with SVCW resources
- Project management

Deliverables from CID will be twofold: 1) the Front of Plant Systems Integration Task and Cost document and 2) Automation Standards document.

The allocated not-to-exceed budget for the scope of work is \$106,260.

FINANCIAL IMPACT

The Task Order will be funded from the following projects with the listed allocated budgets:

CIP 6013 – Receiving Lift Station	\$51 million
CIP 6014 – Influent Connector Pipe	\$ 9 million
CIP 9160 – WWTP Headworks	\$43 million

The not-to-exceed fee to CID for the work described in this task order is \$106,260 which represents approximately 0.1% of the total project costs.

RECOMMENDATION

Move approval of TASK ORDER SCOPE AND BUDGET FOR AUTOMATION STANDARDS AND INTEGRATION SERVICES DEVELOPMENT FOR THE FRONT OF PLANT PROJECTS (CIP #s 6013, 6014, 9016) IN AN AMOUNT OF \$106,260 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – CASCADE INTEGRATION AND DEVELOPMENT

**ESTABLISH MANAGER'S FISCAL YEAR 2017-2018 ANNUAL SALARY AND  
PERFORMANCE BONUS AND APPROVE UPDATED CONSOLIDATED PAY  
SCHEDULE**

ISSUE

Approval of Annual Salary and Performance Bonus for the Manager of Silicon Valley Clean Water and Approval of the Updated Consolidated Pay Schedule for Fiscal year 2017-2018

BACKGROUND

The Silicon Valley Clean Water (SVCW) Manager is employed under the terms and conditions of an employment contract. The employment contract provides that the Silicon Valley Clean Water Commission establish the rate of pay for the SVCW Manager as needed. Further, SVCW's Administrative Policy 1984-01 ("Management Performance Compensation and Annual Performance Incentive Payment") provides that the Commission evaluate the Manager's performance based upon criteria set by the policy and grant a performance bonus in its discretion.

SVCW is required under California State Law and terms of the California Public Employees Retirement System (CalPERS) to annually establish a Consolidated Pay Schedule showing the payrate of employees of the Authority and that said schedule be posted in a publicly available location. SVCW posts the annual Consolidated Pay Schedule on its website and it is also available during business hours at the Authority's office located at 1400 Radio Road, Redwood City, CA 94065.

DISCUSSION

At the Commission Meeting of June 8, 2017, the Commission convened in closed session pursuant to Government Code Section 54957(b)(1) for the purpose of conducting the annual performance evaluation of the SVCW Manager and made the decision to increase the Manager's annual salary for Fiscal Year 2017-2018 and grant a performance bonus based on superior performance for Fiscal Year 2016-2017. The salary increase brings the Manager's salary to \$355,000.00 and the performance bonus based upon the evaluation criteria is the amount of \$31,064.40. The law requires the salary and bonus amounts for public employees be approved by Commission vote in an open session and the SVCW Legal Counsel advised the action take place at the July 13, 2017 Commission Meeting. The purpose of this agenda item is to meet this requirement.

The attached Consolidated Pay Schedule reflects all payrates of SVCW employees for FY2017-2018, including the Manager's salary rate, and will be posted on the SVCW website and available at the Authority's office during business hours.

FINANCIAL IMPACT

The SVCW Annual Operating Budget for FY2017-2018 approved by the Commission at the April 13, 2017 meeting anticipated salary increases for all SVCW personnel.



RECOMMENDATION

- i. Move adoption of RESOLUTION APPROVING ANNUAL SALARY INCREASE AND PERFORMANCE BONUS FOR THE SILICON VALLEY CLEAN WATER MANAGER
- ii. Move adoption of RESOLUTION APPROVING CONSOLIDATED PAY SCHEDULE FOR ALL REPRESENTED AND UNREPRESENTED EMPLOYEES OF SILICON VALLEY CLEAN WATER FOR FISCAL YEAR 2017-2018 NUNC PRO TUNC AND RESCINDING RESOLUTION NO. SVCW 17-40

Resolution No. SVCW 17-XX approved at the Commission Meeting of July 13, 2017

General Represented Employees (monthly)  
Stationary Engineers Local 39

	A0	B0	C0	D0	E0	F0	G0
Class 0							
Senior Operator	\$7,640	\$8,020	\$8,417	\$8,842	\$9,376	\$9,749	\$10,234
Operator	\$6,104	\$6,414	\$6,729	\$7,070	\$7,430	\$7,799	\$8,184
Senior Plant Mechanic	\$7,361	\$7,732	\$8,116	\$8,517	\$8,950	\$9,395	\$9,867
Senior Plant Mechanic - Electrician	\$7,869	\$8,265	\$8,674	\$9,107	\$9,568	\$10,044	\$10,548
Senior Plant Mechanic - Instrumentation Tech	\$7,869	\$8,265	\$8,674	\$9,107	\$9,568	\$10,044	\$10,548
Plant Mechanic	\$5,663	\$5,947	\$6,245	\$6,561	\$6,893	\$7,235	\$7,593
Plant Mechanic - Electrician	\$5,663	\$5,947	\$6,245	\$6,561	\$6,893	\$7,235	\$7,593
Plant Mechanic - Instrumentation Tech	\$5,663	\$5,947	\$6,245	\$6,561	\$6,893	\$7,235	\$7,593
Planner / Scheduler Assistant	\$5,663	\$5,947	\$6,245	\$6,561	\$6,893	\$7,235	\$7,593
Water Quality Specialist *	\$7,121	\$7,556	\$8,025	\$8,512	\$9,034	\$9,590	\$10,069
Senior Laboratory Analyst **	\$8,284	\$8,699	\$9,133	\$9,590	\$10,069	\$10,548	\$11,027
Laboratory Analyst II	\$7,532	\$7,909	\$8,304	\$8,719	\$9,155	\$9,590	\$10,069
Laboratory Analyst I	\$6,848	\$7,189	\$7,548	\$7,927	\$8,323	\$8,729	\$9,144
Senior Environmental Compliance Inspector *	\$7,513	\$7,890	\$8,284	\$8,699	\$9,133	\$9,590	\$10,069
Environmental Compliance Inspector	\$6,832	\$7,173	\$7,532	\$7,909	\$8,304	\$8,729	\$9,144
Pollution Prevention Specialist	\$6,832	\$7,173	\$7,532	\$7,909	\$8,304	\$8,729	\$9,144
Materials Services Coordinator	\$7,294	\$7,668	\$8,060	\$8,455	\$8,877	\$9,300	\$9,723
Utility Worker	\$5,241	\$5,531	\$5,833	\$6,156	\$6,494	\$6,841	\$7,197

	A1	B1	C1	D1	E1	F1	G1
Class 1							
Senior Operator	\$7,793	\$8,180	\$8,585	\$9,019	\$9,564	\$9,944	\$10,439
Operator	\$6,226	\$6,542	\$6,864	\$7,211	\$7,579	\$7,955	\$8,348
Senior Plant Mechanic	\$7,508	\$7,887	\$8,278	\$8,687	\$9,129	\$9,583	\$10,064
Senior Plant Mechanic - Electrician	\$8,026	\$8,430	\$8,847	\$9,289	\$9,759	\$10,245	\$10,759
Senior Plant Mechanic - Instrumentation Tech	\$8,026	\$8,430	\$8,847	\$9,289	\$9,759	\$10,245	\$10,759
Plant Mechanic	\$5,776	\$6,066	\$6,370	\$6,692	\$7,031	\$7,380	\$7,745
Plant Mechanic - Electrician	\$5,776	\$6,066	\$6,370	\$6,692	\$7,031	\$7,380	\$7,745
Plant Mechanic - Instrumentation Tech	\$5,776	\$6,066	\$6,370	\$6,692	\$7,031	\$7,380	\$7,745
Planner / Scheduler Assistant	\$5,776	\$6,066	\$6,370	\$6,692	\$7,031	\$7,380	\$7,745
Water Quality Specialist *	\$7,263	\$7,707	\$8,186	\$8,682	\$9,215	\$9,748	\$10,270
Senior Laboratory Analyst **	\$8,450	\$8,873	\$9,316	\$9,782	\$10,270	\$10,759	\$11,248
Laboratory Analyst II	\$7,683	\$8,067	\$8,470	\$8,893	\$9,338	\$9,782	\$10,270
Laboratory Analyst I	\$6,985	\$7,333	\$7,699	\$8,086	\$8,489	\$8,900	\$9,316
Senior Environmental Compliance Inspector *	\$7,663	\$8,048	\$8,450	\$8,873	\$9,316	\$9,748	\$10,270
Environmental Compliance Inspector	\$6,969	\$7,316	\$7,683	\$8,067	\$8,470	\$8,900	\$9,316
Pollution Prevention Specialist	\$6,969	\$7,316	\$7,683	\$8,067	\$8,470	\$8,900	\$9,316
Materials Services Coordinator	\$7,440	\$7,821	\$8,221	\$8,624	\$9,055	\$9,500	\$9,950
Utility Worker	\$5,346	\$5,642	\$5,950	\$6,279	\$6,624	\$6,984	\$7,359

Employees who have achieved a level of professional certification higher than specified for their current classification will qualify for certification pay according to the CLASS 1 salary schedule.

Employees who have not qualified for certification pay shall be paid according to the CLASS 0 salary schedule.

\* Salary step "G" is only available to an existing employee, currently in the position of Water Quality Specialist in the Environmental Compliance Division, if promoted to the position of Senior Environmental Compliance Inspector.

There shall be only one person in the position of "Senior Environmental Compliance Inspector" at any given time. The Water Quality Specialist classification shall not be available to new hires after June 30, 2013.

\*\* There shall be only one person in the position of Senior Laboratory Analyst at any given time.

**General Non-Represented Employees (hourly)**

A	B	C	D	E
\$19.53	\$20.75	\$21.97	\$23.20	\$24.40
\$19.53	\$20.75	\$21.97	\$23.20	\$24.40

**Confidential General Employees (monthly)**

A	B	C	D	E	F	G
\$9,478	\$9,952	\$10,450	\$10,972	\$11,521	\$12,097	\$12,702
\$9,478	\$9,952	\$10,450	\$10,972	\$11,521	\$12,097	\$12,702
\$7,583	\$7,962	\$8,360	\$8,778	\$9,217	\$9,677	\$10,161
\$5,607	\$5,886	\$6,182	\$6,491	\$6,816	\$7,155	\$7,513
\$6,732	\$7,071	\$7,425	\$7,796	\$8,184	\$8,594	\$9,021
\$4,713	\$4,950	\$5,199	\$5,457	\$5,729		
\$4,023	\$4,223	\$4,434	\$4,658	\$4,890		
\$10,124	\$10,631	\$11,162	\$11,720	\$12,306		
\$9,112	\$9,568	\$10,046	\$10,548	\$11,076		
\$6,445	\$6,775	\$7,123	\$7,491	\$7,875		

**Professional Employees (monthly)**

Minimum	Maximum
\$13,430	\$16,325
\$9,626	\$11,700

**Management Employees (monthly)**

Minimum	Maximum
\$29,584	\$29,584
\$18,292	\$22,233
\$19,443	\$23,633
\$17,411	\$21,163
\$14,926	\$18,143
\$14,926	\$18,143
\$12,885	\$15,749
\$14,926	\$18,143
\$13,937	\$16,940
\$13,937	\$16,940
\$11,285	\$13,717
\$11,285	\$13,717
\$11,285	\$13,717
\$11,285	\$13,717
\$13,430	\$16,325
\$10,744	\$13,060
\$12,061	\$14,660
\$12,061	\$14,660

Attest:

Warren Lieberman

VICE-CHAIR, Silicon Valley Clean Water Commission

Robert Grassilli

SECRETARY, Silicon Valley Clean Water Commission

**RESOLUTION AUTHORIZING SUBMISSION OF APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WATER INFRASTRUCTURE FINANCE AND INNOVATIONS ACT (WIFIA) LOAN IN AN AMOUNT NOT TO EXCEED \$194 MILLION**

ISSUE

Adoption of Resolution Authorizing Silicon Valley Clean Water (SVCW) to submit an application to the United States Environmental Protection Agency (EPA), seeking up to \$194 Million in secured loans from the Water Infrastructure Finance and Innovation Act (WIFIA) Program.

BACKGROUND

SVCW launched a ten-year Capital Improvement Program (CIP) in May 2008 to address critical infrastructure needs. When complete the CIP will return SVCW facilities to a condition that ensures efficient and effective operation of the treatment and conveyance processes in a cost-effective manner for future decades. As of May 2017, over 100 projects had been completed and spending had exceeded \$235 million.

SVCW has entered a concentrated period of spending to complete its Regional Environmental Sewer Conveyance Upgrade (RESCU). With remaining RESCU expenditures of approximately \$400 million, it is critical to minimize the financial burden borne by current and future ratepayers by employing a debt strategy that seeks the lowest-cost financing available. This strategy also aims to maintain or improve credit ratings and provide financial flexibility. SVCW has therefore funded the CIP through a blend of State Revolving Fund (SRF) loans, Tax-Exempt Municipal Revenue Bonds, cash funding, Lines of Credit (LOCs), and state grants. The entire CIP, inclusive of RESCU, now faces an estimated \$590 million in upcoming capital expenditures (in 2017 dollars).

DISCUSSION

To date, nearly \$247 million has been secured for capital projects. Remaining cash on hand is approximately \$4 million and includes bond proceeds and member agencies' cash contributions. In addition, the State Water Resource Control Board will reimburse SVCW for \$10 million of expenditures associated with SRF-funded projects. The Engineering Division anticipates that active CIP projects will exhaust this combined \$14.1 million by the end of the current calendar year.

The January 2017 Long Range Financial Plan (LRFP) recognized the SRF loan program is oversubscribed and unlikely to be a significant borrowing source for SVCW for at least the next three years. The LRFP therefore recommends a hybrid debt structure that includes the pursuit of WIFIA loans.

The WIFIA application and approval process involves three phases: Project Selection, Project Approval and Negotiation and Closing. The Commission already authorized SVCW to enter the selection phase, which will end in early to mid-July when the EPA announces selected projects. The second phase begins when selected applicants are

invited to submit an application and negotiate a final credit assistance agreement. If SVCW is selected, we will have 10 days to advise the EPA of our intent to apply for a loan. In anticipation of an invitation to submit an application, the proposed action authorizes SVCW to formally apply for WIFIA loans up to \$194 million, an amount equal to the maximum 49% of the project cost allowed and to negotiate and execute a credit assistance agreement.

#### FINANCIAL IMPACT

If selected, SVCW benefits from the WIFIA program's low cost and its attractive terms such as low interest rates, payment deferral and extended maturities. It is assumed that all Member Entities will participate in a WIFIA debt agreement, though staff and consultants can adjust Members' proportionate share of the loan if alternative methods are chosen by any of the Member Agencies.

Versus a funding strategy that predominantly uses the capital markets to issue wastewater revenue bonds, the Hybrid debt structure seeks low-cost governmental loans that could reduce costs by approximately \$45 million in current dollars over the debt's amortization period.

#### RECOMMENDATION

Move adoption of RESOLUTION OF THE COMMISSION OF SILICON VALLEY CLEAN WATER APPROVING AND AUTHORIZING SUBMITTAL OF AN APPLICATION FOR CREDIT ASSISTANCE TO THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY SEEKING UP TO \$194 MILLION IN SECURED LOANS FOR THE CONVEYANCE SYSTEM PROGRAM UNDER THE WATER INFRASTRUCTURE FINANCE AND INNOVATION ACT, AND DESIGNATING AND AUTHORIZING THE AUTHORITY'S MANAGER TO PROVIDE ANY AND ALL ASSURANCES, CERTIFICATIONS, AND COMMITMENTS REQUIRED THEREFOR INCLUDING THE NEGOTIATION AND EXECUTION OF A CREDIT ASSISTANCE AGREEMENT

**AMENDMENT TO FINANCIAL AND IT SERVICES AGREEMENT  
CITY OF REDWOOD CITY**

ISSUE

Amendment to Financial, Information and Computer Technology (IT) Services Agreement with City of Redwood City for the period of July 1, 2017 – June 30, 2018.

BACKGROUND

The Silicon Valley Clean Water (SVCW) Joint Powers Agreement (JPA) designates the City of Redwood City’s (the City) Finance Director as Controller of the Authority. Per the JPA, the Controller and the Treasurer shall have the duties and obligations set forth in Sections 6505 and 6505.5 of the California Government Code to provide for accountability of all funds and report all receipts and disbursements. The City’s Council determines the charges made against SVCW for these services and establishes that such charges are not to exceed actual costs.

In July 1986 SVCW and the City entered into an agreement for professional services (the “Agreement”) whereby the City provides financial services and allows SVCW to use its Information Technology (IT) system. The Agreement consists of three parts; direct financial services, IT development services, and the computer technology platform used by SVCW. For the past fiscal year, FY2016-17, the cost for these services was approximately \$133.4 thousand (\$11.12 thousand per month).

Accounting and I.T. Services paid to RWC - FY 2016-17			
Service	Description	Monthly	Annually
Financial Services	Controller activity	\$ 6,450	\$ 77,401
I.T. Development	350 hours per year at \$147.45/hour	4,301	51,613
Computer Technology	Use of technology hardware	368	4,420
Total		\$ 11,120	\$ 133,435

DISCUSSION

Per the Agreement, compensation for these services is adjusted based on the change in the Consumer Price Index (“CPI”) for all Urban Consumers Pacific Cities, and U.S. City Average for the year ending February 28th. This change in CPI was documented as a 3.4 percent increase. After incorporating this increase, charges for services are proposed as follows:

**Proposed Rates for Accounting and I.T. Services - FY 2017-18**

<b>Service</b>	<b>Description</b>	<b>Monthly</b>	<b>Annually</b>
Financial Services	<i>Controller activity</i>	\$ 6,669	\$ 80,033
I.T. Development	<i>350 Hours per year at \$152.46/hour</i>	4,447	53,369
Computer Technology	<i>Use of technology hardware</i>	381	4,570
<b>Total</b>		<b>\$ 11,498</b>	<b>\$ 137,972</b>

**FINANCIAL IMPACT**

The \$4.5 thousand cost increase was budgeted in the FY 2017-2018 Operating Budget approved by the Commission at the regular meeting of April 13, 2017.

**RECOMMENDATION**

Move approval of AMENDMENT TO AGREEMENT FOR FINANCIAL AND IT SERVICES FOR THE TERM OF JULY 1, 2017 THROUGH JUNE 30, 2018 - CITY OF REDWOOD CITY

**SVCW INVESTMENT POLICY AND GUIDELINES**

ISSUE

Review and Update Silicon Valley Clean Water (SVCW) Investment Policy and Guidelines.

BACKGROUND

Government Code Section 53646(a)(2) provides that the Chief Financial Officer of a local agency may annually present to the legislative body for consideration a statement of investment policy including any changes thereto, which shall be reviewed and approved at an open meeting. Although Government Code Section 53646 originally mandated annual review of the investment policy by the governing body of the local agency, this section was amended in 2005 to make these annual reviews optional, but the legislature encourages local agencies to continue the prudent practice of reviewing and adopting their investment policies annually. In keeping with such practice, SVCW's Investment Policy and Guidelines (the Policy) currently requires the SVCW Commission review the Policy each year at its July meeting.

DISCUSSION

SVCW last updated its Policy related to investments of available funds in July 2016. This year, certain changes to the Policy are recommended to strengthen the Policy by more closely align language with Government Code and to add clarity. The revised version of the Policy is attached, with the recommended changes summarized below:

- Purpose: Updates the language in this section to clarify that surplus funds are to be invested, and cites applicable Government Code sections.
- Responsibilities: Replaces the strict "July" review requirement with an annual requirement.
- Standard of Care: Offers clarification and explanatory language.
- Safety: Inserts a requirement that the Commission be notified if investments held by SVCW suffer a credit downgrade below levels established by the policy.
- Return on Investment: Defines safety and liquidity constraints when striving to attain market rates of return.
- Investments Prohibited: Specifically forbids the purchase or sell of securities on margin or use of financial futures/options.

FINANCIAL IMPACT

There is no financial impact to this action.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION P TO ADMINISTRATIVE POLICY 1992-01 ESTABLISHING SILICON VALLEY CLEAN WATER'S INVESTMENT POLICY AND GUIDELINES



Approved by Commission at Meeting of July 13, 2017 by Resolution SVCW No. 17-44

**SUBJECT: SILICON VALLEY CLEAN WATER INVESTMENT POLICY AND GUIDELINES**

**PURPOSE:**

The purpose of this policy is to establish the investment policy and guidelines to be followed in the investment of all Silicon Valley Clean Water (“SVCW” or “Authority”) surplus funds not required for immediate use by SVCW. All investment of such surplus monies is governed by California Government Code Section (CGC) 53600, et seq. and by this Investment Policy (the Policy).

To the extent possible, all money belonging to or in the custody of SVCW required for the immediate use of the Authority shall be deposited for safekeeping pursuant to relevant CGC sections, including Sections 53635.2, 53637-53645 and 53649.

**RESPONSIBILITIES:**

The Controller shall have the responsibility of investing all Authority surplus funds in accordance with the Investment Policy and Guidelines; providing a detailed monthly listing of all investments in the Authority's portfolio; and allocating interest to each fund.

The SVCW Commission shall have the responsibility of annually reviewing the Investment Policy and Guidelines and approving proposed changes.

**POLICY:**

**I. INTRODUCTION**

Authority monies not required for immediate expenditure will be invested in compliance with governing provisions of law, the Joint Exercise of Powers Agreement establishing the Authority and this policy.

Funds of the Authority will be invested in accordance with California Government Code Section 53601 through 53686 and with sound treasury management.

Investments will be made in a range of instruments to insure diversification of the Authority's portfolio and liquidity of assets.

**II. STANDARD OF CARE**

**Prudence:** All investments shall be made within the policy framework of liquidity and safety with the judgment and care which a prudent and intelligent person would, under circumstances then prevailing (including, but not limited to, the general economic conditions and the anticipated needs of SVCW), exercise in the management of his/her affairs.

**Ethics:** Officers and employees involved in the investment process shall refrain from personal business activity that could conflict with proper execution of the investment program or which could impair their ability to make impartial investment decisions. All investment personnel shall comply with reporting requirements of applicable state laws including annual filing of Statements of Economic Interest.

### III. OBJECTIVE

The primary investment objectives of this policy in order of priorities are:

**Safety:** Safety of the principal shall be the top priority in consideration of any investment undertaken by the Controller. The portfolio shall be so diversified that the losses, if any, on particular securities shall be offset by the revenue generated from other investments. The intention is to hold investments until maturity unless the Authority will realize a profit by liquidating the investment prior to maturity. The Authority shall seek to preserve principal by mitigating credit risk and market risk.

*Credit risk* - defined as the loss due to failure of the issuer of a security, shall be mitigated by investing in investment grade securities and by diversifying the investment portfolio so that failure of any one issue does not unduly harm the Authority's capital base and cash flow. In the event of a downgrade in credit after the date of purchase to a level below the minimum credit standards provided in the California Government Code, the Controller or his/her designee shall advise the Commission of the change at or before the next regular meeting.

*Market risk* - defined as market value fluctuations due to overall changes in the general level of interest rates, will be mitigated by structuring the investment portfolio so that securities mature to meet the cash requirements for ongoing operations, thereby avoiding the need to sell securities prior to maturity.

**Liquidity:** The Controller shall keep the portfolio sufficiently liquid to meet the operating and capital needs of the Authority which can be reasonably anticipated from his/her experience of the Authority's operations and adopted budget. He/she shall also review the various construction and other contracts the Authority has entered into to anticipate the cash needs.

**Return on investment:** Within the safety and liquidity constraints imposed by law and SVCW's own safety objective and cash flow requirements, the investment portfolio shall be designed to attain the market rate of return.

### IV. AUTHORITY TO INVEST

The Controller shall have the authority to invest the funds of the Authority.

Investments of Authority monies not required for immediate expenditure will be made in securities or other certificates of indebtedness as provided by Section 53601 et seq. of the California Government Code for the investment of public funds, except those expressly prohibited by this policy.

**V. CASH FLOW AND AVAILABILITY**

An amount equal to two weeks' cash flow requirements is to be maintained in immediately available investments, such as the State Treasurer's Local Agency Investment Fund or similar liquid instruments. This may include commercial paper acquired through dealers and brokers as permitted in accordance with Section XI of this policy.

**VI. ACCEPTABLE INVESTMENT INSTRUMENTS**

Unless expressly approved in advance by the Commission, all investments must be made in accordance with this policy and the State of California Government Code Section 53600 et. seq. The Commission may, as part of a bond issuance, direct or authorize staff to invest bond proceeds in investment instruments authorized by the California Government Code that are not contained within this policy.

The Authority's investment portfolio may include the following instruments:

- Certificates of Deposit purchased from banks.
- Treasury Bills, Notes, and Bonds, as well as Small Business Administration Loan Pool Bonds.
- Municipal Notes, Bonds, and warrants of any local agency within the state (taxable and tax-exempt).
- Government Agency Securities (e.g., Federal National Mortgage Association, Government National Mortgage Association, Federal Home Loan Mortgage Corporation, Federal Farm Credit, Federal Home Loan Bank, Tennessee Valley Authority).
- Corporate Bonds
- Tax Anticipation Warrants.
- State Local Agency Investment Fund (LAIF).
- Passbook Savings Account.
- Bank Deposits under contracts pursuant to Government Code Section 53649 subject to compliance in all respects with the provisions of Article 2, Chapter 4, Part1, Division 2, Title 5 of the Government Code and other applicable provisions of law.

**VII. AMOUNTS TO BE INVESTED.**

The Authority will invest all funds and estimated checking account float except for those amounts required by the Authority's banks to pay for bank services furnished to the Authority.

**VIII. GUIDELINES BY TYPE OF INVESTMENT**

- A. **CERTIFICATES OF DEPOSIT:** Cash will be invested only in FDIC insured or fully collateralized certificates of deposit. Collateral for a given investment must be 110% of principal for government securities collateral and 150% of principal for first mortgage collateral. No more than \$2 million shall be invested in one

institution. An institution must meet the following criteria to be considered by the Authority:

For investments greater than \$250,000, the institution must maintain \$100 million in assets. For investments greater than \$300,000, the institution must maintain at least \$300 million in assets. The Authority will not invest in any institution less than five years old. The institution must maintain a net worth to asset ratio of at least 3%, and a positive earnings record for the three consecutive years immediately preceding the date of the investment.

The institution must have on file with the Authority a current FDIC call report. The bank or institution must be located in California.

The institution must have a jumbo certificate to total assets ratio of less than 50%.

The above requirements will be waived whenever the total amount on deposit with any institution does not exceed \$250,000; providing that the institution is insured by the Federal Deposit Insurance Corporation (FDIC).

- B. **TREASURY BILLS, NOTES AND BONDS:** The Authority will require safekeeping documentation of the treasury instrument in an acceptable safekeeping account in the Authority's name in accordance with section XV. The maximum maturity on a treasury instrument will be five years from the date of purchase.
- C. **GOVERNMENT AGENCY SECURITIES:** The Authority will require delivery of these securities to an acceptable safekeeping account in the Authority's name in accordance with section XV. Examples of these securities include Government National Mortgage Association, Federal Land Bank, Federal Farm Credit Banks, Federal National Mortgage Association, Federal Home Loan Mortgage Corporation, Federal Home Loan Board Bank, and Small Business Administration Loans.
- D. **MUNICIPAL BONDS:** The Authority may invest in the municipal bonds of any state, and Puerto Rico. The minimum credit quality shall be "A" or better for long term investments and either MIG-1 or SP-1 for short term investments including Tax Anticipation Warrants.
- E. **STATE LOCAL AGENCY INVESTMENT FUND:** Up to the maximum provided by State law.
- F. **PASSBOOK SAVINGS ACCOUNTS:** Savings accounts may be maintained for amounts under \$250,000 that are received too late in the day to invest in other instruments.
- G. **BANK DEPOSITS:** As provided under Section VI of this policy.
- H. **CORPORATE BONDS:** Medium-term notes defined as all corporate and depository institution debt securities with a maximum maturity of 5 years.

Minimum credit rating shall be “A” or better. The portfolio allocation to this sector shall not exceed 30%.

**IX. INVESTMENTS PROHIBITED:**

The Authority shall not invest any funds in Repurchase Agreements (REPOS) or Reverse Repurchase Agreements (REVERSE REPOS). The Authority shall not purchase or sell securities on margin or invest in financial futures/financial options.

**X. MATURITY OF INVESTMENTS**

Unless otherwise specified, the maturity of a given investment used as reserve assets will not exceed five years from the date of purchase. The maturity schedule for investments used for working capital will be invested in sync with the SVCW known liability schedule. Approximately 50% of the idle funds will be placed in investments which can be sold for face value in the open market in the event of an emergency.

**XI. USE OF SECURITIES DEALERS AND BROKERS**

The Authority may work directly with brokers and securities dealers only if the firm is recognized as a primary dealer by the Federal Government.

**XII. REPORTS TO COMMISSION**

The SVCW Commission will receive a detailed monthly listing of all investments in the Authority's portfolio as of the end of the prior month.

**XIII. AVERAGE RATE OF RETURN**

The Authority will compute the average rate of return earned on all investments.

**XIV. INTEREST ALLOCATION**

Quarterly interest is to be allocated to each fund using the average rate of return and based on the average monthly cash balance for each fund. Residual interest earned will remain in the operations fund.

Funds with a negative cash balance will be charged interest using the average rate of return.

The Authority will further allocate the interest earned for each fund by entity. The interest earnings will be allocated based on the average monthly balance of each entity. The beginning balances for each entity will be taken from the audited financial statements of the previous year.

**XV. SAFEKEEPING OF SECURITIES**

All securities owned by the Authority, excluding Certificates of Deposit, shall be held in safekeeping by a third-party administrator (custody bank or trust department) acting as agent for the Authority under the terms of a custody or trustee agreement executed by the bank and the Authority. All securities will be received and delivered using the standard delivery versus payment (DVP) procedure.

**XVI. QUALIFIED BROKER/DEALERS**

The Controller shall annually send a copy of the current investment policy to all financial institutions and broker/dealers approved to do business with the Authority. Written

confirmation of receipt of this policy shall be considered evidence that the dealer understands the Authority's investment policies and intends to sell the Authority only appropriate investments authorized by this investment policy.

Moreover, the Authority will execute an agreement with any broker/dealer prior to doing business with such.

**XVII. INTERNAL CONTROL**

A Controller's Office staff member who is not involved in the purchase of investments, wire transfers, or maintaining the general ledger shall be assigned the responsibility of reviewing and reconciling the monthly reports received from brokers and dealers. This review shall include, but not be limited to, reconciling the listing and amounts of each investment as submitted by the dealer/broker with the records maintained by the Controller. Each month, the same person will also confirm the interest receivable amounts and compare these items with those submitted by the broker/dealer.

DRAFT

**2017 CONFLICT OF INTEREST UPDATE**

ISSUE

To approve and adopt the Silicon Valley Clean Water's Conflict of Interest Code, amending job titles to designated positions of the Authority's Conflict of Interest Code, Exhibit A (attached).

BACKGROUND

The Political Reform Act requires all local agencies which have adopted Conflict of Interest Codes to review their Conflict of Interest Code biennially, every even-numbered year (the Commission last reviewed and amended the Code in August, 2016) and amend their Code if changes necessitate.

DISCUSSION

Recent title changes to three positions with the Authority require they be added to the list of designated positions under Silicon Valley Clean Water's Conflict of Interest Code Exhibit A (attached). Due to the nature of the duties of the positions, the person holding each listed position will continue to be required to file an annual Statement of Economic Interest (Form 700).

This Resolution amends the SVCW Conflict of Interest Code to update the titles of the positions referred to above.

RECOMMENDATION

Move adoption of RESOLUTION AMENDING AND APPROVING THE 2017 CONFLICT OF INTEREST CODE UPDATE FOR SILICON VALLEY CLEAN WATER

**EXHIBIT A**

**2017 CONFLICT OF INTEREST UPDATE**

**SILICON VALLEY CLEAN WATER  
DESIGNATED OFFICIALS AND EMPLOYEES**

<b><u>Designated Positions</u></b>	<b><u>Disclosure Categories</u></b>
Commission, Commission of SVCW	All Categories
Secretary, SVCW	All Categories
Manager	All Categories
Assistant Manager/Chief Engineering Officer	All Categories
<del>Assistant Manager/Authority Engineer</del>	<del>All Categories</del>
Chief Operating Officer	All Categories
<del>Wastewater Superintendent</del>	<del>All Categories</del>
Chief Financial Officer/Administration Manager	All Categories
<del>Chief Financial Officer</del>	<del>All Categories</del>
Administrative Services Director	3, 4
Safety Director	3, 4
IS Director	3, 4
Engineering Director	3, 4
Environmental Services Director	3, 4
Operations Director	3, 4
Maintenance Director	3, 4
Laboratory Director	3, 4
Human Resources Director	3, 4
Attorney	All Categories
Consultant*	All Categories

\*Consultant is defined in Regulation 18700(a) (2) in 2 California Code of Regulations

The (executive director or executive officer) may determine in writing that a particular consultant, although a "designated position," is hired to perform a range of duties that is limited in scope and thus is not required to fully comply with the disclosure requirements described in this section. Such written determination shall include a description of the consultant's duties and, based upon that description, a statement of the extent of the disclosure requirements (Exhibit B). The (executive director or executive officer's) determination is a public record and shall be retained for public inspection in the same manner and location as this conflict of interest code.



**EXHIBIT B**  
**2017 CONFLICT OF INTEREST UPDATE**  
**SILICON VALLEY CLEAN WATER**

**DESIGNATED CATEGORIES**

**CATEGORY 1.** A designated employee assigned to Category 1 is required to disclose investments which may foreseeably be materially affected by any decision made or participated in by the designated employee.

**CATEGORY 2.** A designated employee assigned to Category 2 is required to disclose interests in real property which may be materially affected by any decision made or participate in by the designated employee.

**CATEGORY 3.** A designated employee assigned to Category 3 is required to disclose income which may be materially affected by any decision made or participated in by the designated employee.

**CATEGORY 4.** A designated employee assigned to Category 4 is required to disclose any business entity in which the designated employee is a director, officer, partner, trustee, or holds any position of management which may be materially affected by any decision made or participated in by the designated employee.

**GRAVITY PIPELINE AND FRONT OF PLANT PROJECTS  
APPROVAL FOR RETENTION INCREASE TO 10% OF THE CONTRACT AMOUNT**

**ISSUE**

Adopting findings that the Gravity Pipeline and Front-of-Plant Projects (CIP #6008, 6013, 6014, 9160) are "substantially complex" projects pursuant to Public Contract Code Section 7201(b)(4), and approving the retention of 10% of all progress payments made during Stage 2 of each project.

**BACKGROUND**

Public Contract Code Section 7201(b)(1) (Section references are to that Code) requires that retention proceeds withheld from any payment from a public agency to a contractor may not exceed five percent (5%). However, Public Contract Code Section 7201(b)(4) allows that retention proceeds "may exceed 5 percent on specific projects where the governing body of the public entity ... has approved a finding during a properly noticed and normally scheduled public hearing and prior to bid, on a project by project basis... that the project is substantially complex and therefore requires a higher retention amount than 5 percent and the awarding entity includes in the contract documents details explaining the basis for the finding and the actual retention amount."<sup>1</sup>

Section 7201(b)(4) provides that, "Any finding by a public entity that a project is substantially complex shall include a description of the specific project and why it is a unique project that is not regularly, customarily, or routinely performed by the agency or licensed contractors." Section 7201 remains in effect until January 1, 2018 unless a later enacted statute extends this date.

**DISCUSSION**

Due to the special and complex nature of work required for the Gravity Pipeline Project, staff recommends that the Project be determined "substantially complex". The type of work envisioned for the project (tunneling) is not regularly, customarily or routinely performed by SVCW. The complex aspects of the Project include, but are not limited to:

- a. Deep tunneling using Earth Pressure Balancing technology;
- b. Technological challenges of methods to protect the pipe from wastewater corrosion;
- c. Construction of deep shafts penetrating through a thick layer of challenging geologic soil conditions (Young Bay Mud);
- d. Complex planning and scheduling to coordinate the retrieval shaft construction with the Front-of-Plant receiving lift station requirements;

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<sup>1</sup>Section 7201 requires that the finding be made during a public *hearing*. Therefore, and in accordance with the public hearing notice requirements (Gov't. Code §6066), SVCW staff caused a notice of this hearing to be published in the San Mateo County Times newspaper once a week for the two weeks preceding this hearing.

- e. Complex modeling of air flow through the gravity pipe in coordination with Front-of-Plant air flow and odor control measures;

Due to the special and complex nature of work required for the Front-of-Plant Project, staff recommends that the Project be determined "substantially complex". The type of work envisioned for the project (deep lift station, headworks, medium voltage electrical facilities) is not regularly, customarily or routinely performed by SVCW. The complex aspects of the Project include, but are not limited to:

- a. Construction of pile-supported structures within challenging geologic soil conditions (Young Bay Mud);
- b. Unique requirements for a deep lift station design and construction;
- c. Complex planning and scheduling to coordinate the receiving lift station requirements with the tunnel retrieval shaft construction;
- d. Complex modeling of hydraulics through the deep lift station and headworks;
- e. Complex modeling of air movement within the Receiving Lift Station and odor control system also using input from Gravity Pipeline air flow modeling;
- f. Challenging connection of new pipeline(s) into the existing wastewater treatment plant;
- g. Construction of new medium voltage electrical facilities.

Staff recommends that the retention amount be set at ten percent (10%) for the Stage 2 services' portions of the Progressive Design Build contracts based on the above findings. Stage 2 is the construction portion of the progressive design build work (Stage 1 is the design portion of progressive design build). Further, Section 9203(a) states that, at any time after 50 percent of the work has been completed, and if satisfactory progress is being made, any remaining progress payments may be made in full for actual work completed. It is SVCW's practice that, after 50% of the work is completed satisfactorily, the retention percentage may be reduced but not eliminated. Staff may recommend the Commission approve a reduction of the retention after 50% completion of a project if satisfactory progress and quality of work are made by the Progressive Design Build firm.

#### FINANCIAL IMPACTS

There is no anticipated financial impact to SVCW resulting from this item.

#### RECOMMENDATION

- i. OPEN PUBLIC HEARING AND RECEIVE TESTIMONY
- ii. CLOSE PUBLIC HEARING
- iii. Move adoption of RESOLUTION FINDING THAT THE GRAVITY PIPELINE PROJECT (CIP #6008) IS "SUBSTANTIALLY COMPLEX" AND APPROVING RETENTION OF 10% OF EACH PROGRESS PAYMENT FOR STAGE 2 OF THE PROJECT

- iv. Move adoption of RESOLUTION FINDING THAT THE FRONT OF PLANT PROJECT (CIP #6013, 6014, 9160) IS “SUBSTANTIALLY COMPLEX” AND APPROVING RETENTION OF 10% OF EACH PROGRESS PAYMENT FOR STAGE 2 OF THE PROJECT

**RESOLUTION AUTHORIZING THE PURCHASE, DEVELOPMENT, AND IMPLEMENTATION OF ENTERPRISE RESOURCE PLANNING SOFTWARE**

ISSUE

Silicon Valley Clean Water must acquire and implement a financial software solution to prepare for the retirement of an existing system.

BACKGROUND

Since its inception, Silicon Valley Clean Water (SVCW) has contracted with the City of Redwood City (the City) for use of its accounting system. The City's accounting system is a proprietary software platform developed over thirty years ago, and is due to be retired in the upcoming years. In anticipation of this imminent retirement and in recognition of SVCW's increasingly sophisticated practices, staff assessed SVCW's business and operating needs and recommends an Enterprise Resource Planning (ERP) software solution.

A Request for Proposals was issued in September 2016 to seek an ERP system that would meet core financial needs, strengthen internal controls, provide administrative efficiencies, and deepen the analytical capabilities of SVCW. Once implemented, the selected ERP system must fully support finance, human resources, and asset management functions.

DISCUSSION

Two qualified responses were received in October 2016. Cogsdale Corporation (Cogsdale) recommended a Microsoft Great Plains ERP and Tyler Technologies (Tyler) proposed a web-based platform called New World. While different in architecture, both systems were found to meet SVCW's core needs. Each company gave full two-day demonstrations of its functionality, experience, and implementation methodologies. After weighing each option and visiting other utilities where the recommended solution is active, staff recommends Cogsdale for its fully-integrated solution with greater functionality and lower project risk.

Full implementation will take two years and be done in three phases. Phase 1, core financial functions, would commence in August 2017 and be complete by June 2018. Phase 2 incorporates asset management by fall of 2018, and Phase 3 provides the human resources / payroll solutions and will be completed by late summer 2019.

FINANCIAL IMPACT

Once the Cogsdale solution is fully implemented over two years, total capitalized project costs will be \$1.814 million. This includes all expenditures associated with software licenses, on-site system development performed by Cogsdale, SVCW's project management staff and needed consulting.

The initial project costs of proposed solutions differed significantly, with the total cost of implementing Cogsdale at \$1.814 million versus Tyler at \$1.305 million. Further analysis considered the life cycle costs of each solution, however, and determined that the

ongoing costs for system hosting and asset management eliminated Tyler’s initial advantage within five years. An all-inclusive comparison of both implementation and recurring costs over five years is below:

Comparative Costs of ERP Solutions - Finance, HR, and Asset Management			
Description	Comments	Cogsdale	Tyler
<b>One-time ERP Costs</b>			
Software Purchase	<i>Cogsdale Microsoft Great Plains, Tyler New World web-based</i>	\$ 300,710	\$ 142,165
Implementation & Development	<i>Cogsdale Finance, HR &amp; Asset Management, Tyler Finance only</i>	731,000	302,460
Subtotal, Software Development		\$ 1,031,710	\$ 444,625
<b>One-time Project Support Costs</b>			
Project Management	<i>Project staff and implementation consulting (two years)</i>	\$ 752,000	\$ 752,000
Hardware and Network	<i>On-site servers / equipment may be used for Cogsdale solution</i>	30,000	-
3rd-party Software Integration	<i>Tyler would need integration with Asset Management system</i>	-	108,300
Subtotal, Project Support		\$ 782,000	\$ 860,300
<b>Total Capital Expenditures</b>		<b>\$ 1,813,710</b>	<b>\$ 1,304,925</b>
<b>Recurring Costs (5 years Duration)</b>			
Licensing and Training	<i>Cogsdale Microsoft Great Plains, Tyler New World web-based</i>	\$ 463,155	\$ 110,296
Network / Hosting	<i>Cogsdale on-site, Tyler web-based</i>	33,154	422,855
Asset Management Integration	<i>Current Asset Management system future development &amp; upgrade</i>	-	652,563
Subtotal, Recurring Costs		\$ 496,309	\$ 1,185,714
<b>TOTAL EXPENDITURES OVER 5 YEARS</b>		<b>\$ 2,310,019</b>	<b>\$ 2,490,639</b>

The proposed \$1.8 million in capital expenditures for Cogsdale will be funded from CIP Project #9105 – CIP Information Management, which has \$1.99 million remaining in the 2015 CIP Update plan budget. The Cogsdale ERP meets the requirements of this project and, as a Microsoft product, is readily integrated into Microsoft SharePoint (SVCW’s selected document management system).

The recurring cost of Cogsdale is \$496 thousand over five years, or approximately \$99 thousand annually. This includes annual licensing fees, training, and hardware replacement. These fees will not add to the SVCW operating budget, since when the project is complete, SVCW will no longer need to pay \$138 thousand annually for Redwood City financial services.

**RECOMMENDATION**

Move adoption of RESOLUTION APPROVING INFORMATION TECHNOLOGY PROFESSIONAL SERVICE AGREEMENTS FOR AN ENTERPRISE RESOURCE PLANNING SOFTWARE SYSTEM, AUTHORIZING AND DIRECTING EXECUTION OF AGREEMENTS AND AUTHORIZING MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS (\$1,031,710) – COGSDALE CORPORATION

**CCT CONCRETE AND STEEL PROTECTIVE COATING  
REPLACEMENT PROJECT (CIP #9107)  
AWARD OF CONSTRUCTION CONTRACT**

**ISSUE**

Award of Construction Contract for the CCT Concrete and Steel Protective Coating Replacement Project (CIP #9107)

**BACKGROUND**

The Chlorine Contact Tank (CCT) contains the final process for SVCW's wastewater before it is discharged to the bay. After secondary treatment and filtration, hypochlorite (a strong chlorine bleach solution) is added to the plant effluent to disinfect the water. After hypochlorite is added, the water is slowed down and directed into the CCT. The CCT is comprised of three long "passes" (basically, three separate channels); the three passes are connected such that the water follows a serpentine path. The CCT allows sufficient time for the chlorine to adequately kill the remaining biological activity in the water. At the end of the last pass, sodium bisulfite is added to neutralize any remaining chlorine in the water to avoid discharging chlorinated water into the Bay. This entire process is termed "Chlorination/De-chlorination" and is the final step in the overall treatment train.

The CCT has been in service since the plant began operation in 1980. In 2015, SVCW hired V&A Consulting Engineers, a consulting firm that specializes in corrosion, to perform an evaluation of the tank. The results of the study indicated that while a majority of the original coating of the tank has failed, the concrete has not significantly deteriorated due to corrosion. However, the inspection noted hundreds of cracks in the walls of the tanks that were recommended to be sealed. The investigation also noted that some of the steel piping and valves in the CCT are showing signs of deterioration and recommended that these be recoated.

Because the three passes within the CCT are connected in a serpentine manner and due to the criticality of this process it is impossible to take the entire tank out of service at once. It is possible however, to take individual passes out of service. It is intended that repairs on Pass 1 of the CCT will take place this summer and repairs on Passes 2 and 3 will take place next summer.

**DISCUSSION**

Engineering staff prepared drawings and specifications for the repairs of Pass 1 based on the recommendations of V&A. The project was publicly advertised for bidding on June 6, 2017. A mandatory pre-bid meeting was held on June 14, 2017 and two potential bidders attended. Bids were due on June 27, 2017 and two bids were received on the project. The bid results, in the amounts of \$290,746 (ERS Industrial Services) and \$347,900 (Redwood Painting Co., Inc.), are shown in the attached bid summary table. The engineer's estimate of probable cost is \$359,000.

Soon after the bid opening a call was received, and a subsequent Letter of Bid Protest was received from the second low bidder, Redwood Painting Co., Inc., claiming that ERS Industrial Services fails to possess the required SSPC QP1 Certification as specified and required in the SVCW Contract Documents. (See attached Bid Protest letter dated June 30, 2017.) Redwood Painting also provided a current SSPC QP1 Certification (Copy attached).

ERS was notified of the bid protest and responded that a SSPC QP1 Certification applies only to projects where the blast cleaning portion of the work exceeds \$100,000 and that the coating work for SVCW's project is only \$20,000-25,000. (See attached letter dated 7-5-2017.) Although not expressly stated in ERS's letters, ERS verbally represented to SVCW staff that it does not currently have a SSPC QP1 Certification.

After evaluation of the bid protest letters by SVCW General Counsel, SVCW staff has determined that ERS's apparent low bid is not responsive for failure to provide the required SSPC QP1 Certification. The bid documents specifically obligate the bidder to provide a SSPC QP1 Certification, regardless of project cost and regardless of whether a contractor is otherwise capable of performing the work; this constitutes a material variance that cannot be waived. During the pre-bid period, ERS had an opportunity to make SVCW aware that certification is not required for work under \$100,000 but it failed to do so; moreover, awarding the contract to a bidder that lacks certification is not only unfair to the second low bidder who is certified, but to the bidding community at large and potential bidders that chose not to submit proposals because they lacked the specified certification.

SVCW staff recommends that the Commission reject the apparent low bid of ERS as non-responsive and award the construction contract for CIP #9107: CCT Concrete and Steel Protective Coating Replacement Project to responsive low bidder Redwood Painting Co., Inc.

#### FINANCIAL IMPACTS

The funding for this project comes from CIP #9107: CCT Concrete and Steel Protective Coating Replacement. The allocated budget for this project is \$5,521,003. This project is one of two construction projects that will be associated with this CIP number, as Passes 2 and 3 are expected to be repaired next year.

#### RECOMMENDATION

Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR CCT CONCRETE AND STEEL PROTECTIVE COATING REPLACEMENT PROJECT (CIP #9107); ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER, REJECTING ALL OTHER BIDS; AND AUTHORIZING EXECUTION OF AGREEMENT, DIRECTING RETURN OF SECURITY DEPOSITS AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT - REDWOOD PAINTING CO., INC. (\$347,900)



Silicon Valley Clean Water  
 CCT Concrete Steel Protective Coating Replacement Project – CIP #9107  
 Bid Results  
 Tuesday, June 27, 2017

Name of Bidder	Addenda		Bid Proposal		Proposal Guaranty Bond		Cert. of Bidders exp. & Qualifications		Desig. of Subcontractors		Site Visit Affidavit		Schedule of Major Equipment & Material Suppliers		Acknowledgement of Insurance Requirements		Noncollusion Affidavit		Affidavit of Safety Compliance		Total Bid Amt.
	#1 & 2	Section 00300	Section 00410	Section 00420	Section 00430	Section 00440	Section 00450	Section 00470	Section 00480	Section 00490											
*ERS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$290,746.00
Redwood Painting	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$347,900.00
* Bid determined to be "non-responsive" by SVCW Legal Counsel																					

# Redwood Painting Co., Inc.

License No. 302617  
Industrial Coatings • Sandblasting

620 West 10th Street  
P.O. Box 1269  
Pittsburg, CA 94565  
(925) 432-4500 ph.  
(925) 432-6129 fax

June 30, 2017

Ms. Teresa Herrera

Silicon Valley Clean Water  
1400 Radio Road  
Redwood City, CA 94065

Project: CCT Concrete and Steel Protective Coating Replacement - CIP #9107

Subject: Bid Protest

Dear Ms. Herrera,

Redwood Painting Co., Inc. would like to formally protest the Proposal submitted by ERS Industrial Services for the project known as CCT Concrete and Steel Protective Coating Replacement CIP #9107.

The Basis for our protest comes from the Specification requirements in Section 09960 paragraph 1.04.6.  
- Qualifications of the Field Applicator:

- a. Field coating applicator shall provide SSPC QP 1 and the manufacturer's certification for application of the specified products.

It is our belief that ERS Industrial is not qualified by not having a SSPC-QP1 Certification or listing a SSPC-QP1 Certified Sub-Contractor, and by intending to do the work without the use of a SSPC QP 1 Certified Paint Contractor as noted in submitted Section 00430-1, do not meet the requirements of the specification. We do not believe this to be an informality that can be waived as per Section 00010-2 as this is a direct qualification to be met for bidding this project.

We kindly appreciate your consideration and await your response as to how to proceed.

Respectfully



Pete Medrano  
Project Executive



**Redwood Painting Company, Inc.**  
*of*  
**Pittsburg, CA**

*has met or exceeded the requirements set forth in the  
 SSPC Painting Contractor Certification Program for*

**FIELD APPLICATION OF COATINGS  
 COMPLEX STRUCTURES  
 SSPC-QP1**



.....  
 President, SSPC

March 31, 2017 – March 31, 2018

.....  
 Validation Period



Owners are advised to contact SSPC at 412-281-2331 ext. 2235 or ext. 2209 to verify authenticity of certification.



# Redwood Painting Company, Inc.

of  
Pittsburg, CA

has met or exceeded the requirements set forth in the  
SSPC Painting Contractor Certification Program for

## INDUSTRIAL HAZARDOUS PAINT REMOVAL SSPC-QP2

"A"

Category

March 31, 2017 – March 31, 2018

Validation Period

President, SSPC



Owners are advised to contact SSPC at 412-281-2331 ext. 2235 or ext. 2209 to verify authenticity of certification.



INDUSTRIAL SERVICES, INC.

7-5-2017

Teresa Herrera  
Silicon Valley Clean Water  
1400 Radio Road  
Redwood City, CA 94063

Re: QP-1

Dear Teresa,

ERS Industrial Services strongly disagrees with the protest from Redwood Painting.

CAS QP 1 implementation applies only to projects where blast cleaning and spray-painting are performed on metal surfaces and the contract amount for coating work exceeds \$100,000 USD.

The coating work on this project is approximately \$20,000 - \$25,000. Additionally, ERS Industrial Services is certified to apply a *simple* 2-part epoxy coating from Sherwin Williams.

ERS Industrial Services holds a Class A and C 33. Moreover, we have crack injection and welding certifications as required.

Our employees hold the following certifications. Quality Control Supervisor certification from SSPC, and NACE certified Level 1 and Level 2 Coating Inspectors. ERS Industrial Services uses the TruQC software program for quality control. This software is based on QP-1.

Finally, the QP-1 program is not intended to guarantee the quality or safety performance of a specific Contractor on any of its projects. Rather, it is intended to assist facility owners in their evaluation of the primary technical capabilities of professional industrial/marine coating contractors. While SSPC certification confirms a company's capability to meet the requirements of SSPC QP1, owners, specifiers and general contractors can also assess the painting contractor's financial ability to perform a specific job as well as the contractor's previous work history, capability to meet project-specific requirements, and other areas not covered under this program. To better ensure the success of a project, owners should write quality specifications, implement a plan to enforce the requirements of the specification through appropriate quality assurance and establish a plan to maintain good communication with the Contractor before work begins and during the project. This is in addition to ensuring that the Contractor is capable of performing the work.

Thank You,

Lawrence Valenzuela  
ERS Industrial Services, Inc  
(408) 747-7239  
Lawrence@ersfilter.com