

**COMMISSION OF SILICON VALLEY CLEAN WATER
JOINT POWERS AUTHORITY
REGULAR MEETING – Thursday, May 11, 2017
4:00 p.m.**

Place: Pelican Conference Room
Silicon Valley Clean Water
1400 Radio Road, 2nd 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 March 31, 2017
 - 2. Quarterly Finance Status Report Report / Discussion
- D. Engineering Projects Status Update April 2017
- E. Progressive Design-Build Selection Criteria Presentation / Discussion

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

8. BUSINESS ITEMS

- A. CONSIDERATION OF RESOLUTION MAKING DETERMINATIONS IN SUPPORT OF AN OWNER CONTROLLED INSURANCE PROGRAM AND APPROVING AGREEMENT FOR ADMINISTRATION OF SILICON VALLEY CLEAN WATER'S OWNER CONTROLLED INSURANCE PROGRAM (OCIP)

Proposed Action: Move adoption of RESOLUTION CERTIFYING DETERMINATIONS IN SUPPORT OF AN OWNER CONTROLLED INSURANCE PROGRAM (OCIP) FOR THE SILICON VALLEY CLEAN WATER GRAVITY PIPELINE AND FRONT OF THE PLANT CAPITAL IMPROVEMENT PROGRAM PROJECTS AND APPROVING AN AGREEMENT WITH WELLS FARGO INSURANCE SERVICES, INC. AS ADMINISTRATOR OF THE OCIP FOR THE PROGRAM (UP TO \$575,000) – WELLS FARGO INSURANCE SERVICES, INC.

9. CLOSED SESSION

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

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 – April 13, 2017

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED MARCH 25, 2017 AND NECESSARY PAYMENTS THROUGH APRIL 30, 2017

C. CONSIDERATION OF MOTION ACCEPTING FINAL PROJECT AND FILING NOTICE OF COMPLETION FOR THE DIESEL FUEL PUMPING SYSTEM UPGRADE PROJECT (CIP #9228)

Proposed Action: Move approval to ACCEPT THE DIESEL FUEL PUMPING SYSTEM UPGRADE PROJECT (CIP #9228) AND AUTHORIZE FILING NOTICE OF COMPLETION – FUEL OIL SYSTEMS

D. CONSIDERATION OF MOTION ACCEPTING FINAL PROJECT AND FILING NOTICE OF COMPLETION FOR THE FLO-BEAST INSTALLATION PROJECT (CIP #9229)

Proposed Action: Move approval to ACCEPT THE FLO-BEAST UNIT INSTALLATION PROJECT (CIP #9229) AND AUTHORIZE FILING NOTICE OF COMPLETION – DWNicholson Corporation

E. CONSIDERATION OF RESOLUTION APPROVING CONTRACT DOCUMENTS FOR THE PUMP STATION VALVE REPLACEMENT PROJECT (#262 AND #263)

Proposed Action: Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS FOR THE PUMP STATION VALVE REPLACEMENT PROJECT (CAPITAL PROJECTS #262 AND #263); AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT – (\$514,000) – DWNicholson Corporation

F. CONSIDERATION OF RESOLUTIONS APPROVING MASTER SERVICES AGREEMENTS FOR CONSULTING SERVICES

Proposed Actions:

- i. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR PROFESSIONAL ENGINEERING AND MANAGEMENT CONSULTING SERVICES WITH WEST YOST ASSOCIATES
- ii. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR AIR PERMITTING SERVICES WITH TRINITY CONSULTANTS
- iii. Move adoption of RESOLUTION ASSIGNING CURRENT OPEN TASK ORDERS WITH WHITLEY BURCHETT & ASSOCIATES TO WEST YOST ASSOCIATES

G. CONSIDERATION OF RESOLUTION APPROVING CONSTRUCTION CONTRACT FOR OFFICE RECONFIGURATION WITHIN THE PLANT CONTROL BUILDING

Proposed Action: Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS FOR PLANT CONTROL BUILDING OFFICE RECONFIGURATION, AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE – (\$99,586) – RODAN BUILDERS

H. CONSIDERATION OF RESOLUTION APPROVING AND ADOPTING REVISION B TO ADMINISTRATIVE POLICY 2016-01

Proposed Action: Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION B TO ADMINISTRATIVE POLICY 2016-01, ESTABLISHING A PROCEDURE IMPLEMENTING THE DESIGN-BUILD PROCESS FOR DELIVERY OF CONSTRUCTION PROJECTS

I. CONSIDERATION OF RESOLUTION APPROVING AND ADOPTING REVISION "A" TO ADMINISTRATIVE POLICY 1989-03 ESTABLISHING THE TEMPORARY PAY ELIGIBILITY RELATED TO CALPERS TAXABILITY FOR AN EMPLOYEE ASSIGNED TO AN OUT OF CLASSIFICATION POSITION

Proposed Action: Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION A TO ADMINISTRATIVE POLICY 1989-03 "TEMPORARY UPGRADE PAY"

J. CONSIDERATION OF RESOLUTION ADOPTING ADMINISTRATIVE POLICY 2017-02 ESTABLISHING COOPERATIVE PURCHASING POLICY

Proposed Action: Move adoption of RESOLUTION APPROVING AND ADOPTING ADMINISTRATIVE POLICY 2017-02 "PROCUREMENT THROUGH COOPERATIVE PURCHASING AND PIGGYBACK CONTRACTING"

K. CONSIDERATION OF RESOLUTION APPROVING AND ADOPTING REVISION "C" TO ADMINISTRATIVE POLICY 1987-03 ESTABLISHING THE EMPLOYEE TOOL AND EQUIPMENT PURCHASES POLICY

Proposed Action: Move adoption of RESOLUTION APPROVING REVISION C TO ADMINISTRATIVE POLICY 1987-03 "EMPLOYEE TOOL AND EQUIPMENT PURCHASES"

L. CONSIDERATION OF RESOLUTION APPROVING AGREEMENTS FOR GRANT FUNDING THROUGH THE CALIFORNIA ENERGY COMMISSION

Proposed Action: Move adoption of RESOLUTION AUTHORIZING MANAGER TO NEGOTIATE AND EXECUTE AGREEMENTS WITH THE CALIFORNIA ENERGY COMMISSION, STANFORD UNIVERSITY, KENNEDY JENKS, AND RELATED CONTRIBUTORS FOR DESIGN, IMPLEMENTATION, CONSTRUCTION, OPERATION AND MAINTENANCE OF THE SAF-MBR TECHNOLOGY PILOT PLANT

SAFETY MOMENT

SPRING ALLERGY SEASON

By: Mary Brophy Marcus, CBS News

This time of year, millions of children and adults across the U.S. are starting to feel their seasonal allergy symptoms kick up. In recent years, many may even have been noticing that the congestion and discomfort lasts longer, which some allergy experts chalk up to climate change.

As temperatures rise, trees are starting to produce pollen — more than usual in some areas — and as spring turns to summer, flower and grass pollens will join the mix. By fall, as the other pollens subside, ragweed will be in full crescendo.

What you should know about pollen, allergies and relief

Allergies happen when a person's immune system wrongly thinks a harmless substance is attacking it. The substance that prompts that reaction is called an allergen.

"In the person who's allergic, the body perceives the allergen and has an over-exaggerated response to that allergen. The body creates an immune response that triggers a cascade of reactions that release the body's own mediators, such as histamine. The release of those mediators causes sneezing, a running nose, watery eyes," Dr. Sandra Lin, professor of otolaryngology and head and neck surgery at Johns Hopkins Medicine, told CBS News.

Twenty million adults and 6.1 million children have been diagnosed with seasonal allergies — also called allergic rhinitis and hay fever — according to the U.S. Centers for Disease Control and Prevention.

Regional trends

CBS News spoke with Lin, from Baltimore, and allergy experts from Denver and California to get a picture of what's happening this year in different regions of the country.

"In the Baltimore area here, the normal high temperature for this time of year is 59 degrees Fahrenheit, and it's looking like we're going to exceed that. It's supposed to go up to 74 degrees this week. If it's warmer than normal, it can mean more pollen," Lin said.

Dr. Sunil Perera, an allergist and immunologist practicing in the Sacramento, California, area said pollen conditions there are the worst they've been in four years.

“Tree pollen counts are three times higher than they were this time last year. We had a four-year drought and pollen counts were low, but this year, with early rain and persistent rain, all the trees got ground saturation water, particularly the mulberry. Mulberry usually pollinate in April, but they started in March this year,” Perera said.

Heavy rains have also encouraged the growth of mold spores, so people who have allergies to both are feeling a lot of symptoms now, he said.

Certain trees, such as ash, traditionally started flowering in the area in April, but that’s shifted noticeably.

“We’ve now seen ash pollen all March, and cottonwoods, cedars, juniper trees — all of which normally come out in April, we’ve now seen for the last month, in March. We’re seeing things starting earlier and stretching out a little longer,” said Weber.

Climate change is affecting pollen counts, said Weber.

“A number of years ago, there was some real question about whether climate change really existed and whether temperatures were going up. I think now only the greatest of deniers will still not admit we’re definitely seeing some changes,” Weber said. “The ultimate impact of warming things up is that increased heat has a distinct impact on flowering plants.”

Lin said pollution is a factor exacerbating allergies and asthma (which often goes hand-in-hand with allergies).

“Some people theorize high pollen counts are because there is a change in our climate. It’s probably more than one thing going on. It’s multifactorial,” Lin said.

Allergy Remedies

To quell symptoms such as watery eyes, a scratchy throat, stuffy nose, even an irritated roof of the mouth, Lin said people can first try over-the-counter medicines such as “second generation antihistamines” (Allegra and Claritin, for example); steroid nasal sprays (Flonase, Nasacort, Rhinocort); and eye drops specifically made to treat allergy symptoms. Unlike older over-the-counter medicines, the new drugs don’t make you sleepy and you don’t need to dose up as often. Use them consistently, though, Lin said.

“Nasal steroid sprays work better if you use them regularly. My patients find nasal rinses really helpful, too,” Lin said. The saline rinses are available over-the-counter and can be used a couple of times a day, and do not contain medications.

Why Your Allergies Get Worse Each Year

An allergist can run blood and skin tests so you can learn your allergic triggers. The tests even show how allergic you are, said Perera.

“In some patients who get symptoms it goes into the airways and they get chest tightness and wheezing. That means they’re getting early asthma symptoms,” Perera warned, so it’s important to see a physician if you have those symptoms to develop a more comprehensive picture of your health.

Immunotherapy may be an option for some. Perera explained what that involves: “We can make a mix of things a patient is allergic to and then start immunizing them starting with a little dose and building up to maximum tolerance. Patients find that the next season, they don’t get as many symptoms and their asthma doesn’t progress.” Some patients find relief for years, he said.

Avoidance measures help, too. Stay inside during high pollen count days, advised Lin. If you do go out, rainy days may be better because they tamp down the pollen for the short term.

It’s hard to resist getting outdoors on a beautiful, breezy spring day —the worst kind of day for seasonal allergy sufferers because the wind carries pollens on the air and people breathe them in and get them in the eyes, too. Lin advises showering after being outdoors and wash clothes you’ve worn outside. Pets can bring allergens into the house on their fur, so try not to sleep with pets that spend a lot of time romping in the yard or woods, Lin said.

A vacuum with a HEPA filter and home air filters can reduce pollens that come into the house, too. There are also high-tech home allergen monitoring systems, small devices that check home air quality and give a report back, said Perera.

“You can monitor all the pollen that the cat or dog brings in, and test every hour to see the level.”

To monitor pollen counts in your community, visit the American Academy of Allergy, Asthma and Immunology’s web site, the National Allergy Bureau. Knowing if pollen counts are going to increase can help you plan your day.

Allergies can exacerbate asthma and lead to sinus infections, so if they are affecting your quality of life, see your primary care physician or an allergy specialist, the experts recommended.

“Studies show productivity goes down when you’re suffering from allergies, in your personal and work life,” said Weber.

There are some who don’t want drug treatments, said Perera. He has patients who’ve tried home remedies like eating local honey regularly, or bee pollen.

“I see people who take bee pollen. As long as it helps, fine. But patients who are allergic to ragweed may get a cross reaction to chrythemum pollen,” he warned, noting that there isn’t a body of scientific research backing up these methods.

SILICON VALLEY CLEAN WATER

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SILICON VALLEY CLEAN WATER
INVESTMENT LISTING
March 31, 2017

Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
Annual OPS and CAP Budget Reserve								
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA+	07/01/2017	4.300%	1.54	50,000	50,399	50,706	776
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	1.72	49,581	50,033	51,363	861
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2020	5.000%	1.99	61,712	63,505	65,106	1,264
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.53	60,000	61,311	62,204	937
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.76	30,000	29,558	30,417	520
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/08/2017	5.400%	0.84	50,000	50,412	51,131	421
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.08	85,000	86,165	86,877	931
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/09/2017	1.125%	0.77	100,000	100,051	100,213	774
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/17/2018	1.950%	1.25	100,000	101,062	101,440	1,261
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	0.899%	0.86	50,000	50,110	49,959	429
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.16	125,000	129,193	129,480	1,501
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.45	50,000	53,236	53,165	771
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/13/2019	4.500%	1.50	100,000	107,258	108,206	1,604
FEDERAL HOME LN MTG CORP	AA+	07/25/2017	1.000%	0.82	50,000	50,022	50,035	412
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.58	30,000	29,883	30,440	472
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.71	30,000	29,767	30,355	509
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.74	30,000	29,489	30,323	514
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.26	60,000	60,377	60,913	759
FEDERAL NATL MTG ASSN GTD REMIC	NR	09/25/2019	2.171%	1.80	150,000	151,147	151,969	2,719
FEDERAL NATL MTG ASSN	AA+	09/25/2020	1.750%	1.89	100,000	99,294	100,822	1,880
FEDERAL HOME LN MTG CORP MULTICLASS	NR	11/25/2019	1.869%	1.82	130,000	129,973	129,817	2,362
FEDERAL HOME LN MTG CORP	AA+	05/12/2017	1.250%	0.81	95,000	95,044	95,305	765
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.38	30,000	30,235	30,630	418
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.48	30,000	29,833	30,232	442
FEDERAL HOME LN MTG CORP MULTICLASS	N.A.	04/15/2020	4.000%	1.86	34,123	34,856	35,147	649
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2019	5.500%	1.91	50,571	52,287	53,478	999
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	03/01/2020	5.500%	1.75	28,933	29,275	29,982	512
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2020	5.000%	2.00	30,821	32,140	32,536	643
GNMA II PASSTHRU CTF POOL #003421	N.A.	08/20/2018	4.500%	1.79	16,322	16,562	17,100	296
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.304%	1.30	75,000	75,167	74,771	977
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.25	50,000	51,245	51,280	643
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.44	25,000	25,572	26,162	367
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.22	50,000	51,472	51,588	627
SAN LUIS ARIZ PLEDGED EXCISE T REV	N.A.	07/01/2017	2.000%	1.88	50,000	49,998	50,000	940
SMALL BUSINESS ADMIN GTD LN POOL	N.A.	02/25/2019	3.575%	1.94	38,742	39,031	40,201	757
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.55	50,000	50,300	50,101	781
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	1.75	50,000	50,270	49,640	879
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.55	50,000	51,368	51,986	798
WYETH NT	NR	04/01/2017	5.450%	-	50,000	50,000	51,088	-
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.22	80,000	79,434	80,000	971
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	1.80	100,000	98,494	100,058	1,774
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	2.27	100,000	101,811	105,211	2,309
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.20	100,000	102,162	104,828	2,243
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.84	110,000	116,712	118,630	2,145
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.63	80,000	79,844	80,000	1,300
FEDERAL HOME LN MTG CORP	AA+	10/28/2019	1.625%	1.60	220,000	219,494	219,923	3,514
CASH & EQUIVALENTS	-	-	-	0.63	-	360,197	360,197	2,269
Annual OPS and CAP Budget Reserve Total						\$ 3,485,042	\$ 3,515,011	\$ 49,695

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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
Capital Improvement Program Reserve								
APPLE INC SR FLT NT	AA+	02/07/2020	1.288%	1.29	100,000	100,062	99,821	1,293
BERGEN CNTY N J TAXABLE GO BDS 2008	N.A.	11/01/2019	6.000%	1.52	100,000	107,269	108,630	1,634
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.39	100,000	104,430	105,817	1,455
CALIFORNIA ST GO BDS TAXABLE	AA-	10/01/2019	6.200%	2.06	100,000	110,943	112,015	2,283
CHEVRON CORPORATION SR NT	AA-	03/03/2019	4.950%	1.65	100,000	106,070	105,848	1,754
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.82	125,000	133,903	134,279	2,432
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA+	07/01/2017	4.300%	1.54	25,000	25,200	25,353	388
COLGATE PALMOLIVE CO MTNS FR	AA-	11/01/2018	1.500%	1.35	100,000	100,096	100,322	1,349
COOKEVILLE TENN GO INDUSTRIAL AND	N.A.	06/01/2017	3.000%	1.65	100,000	100,223	100,904	1,651
EXXON MOBIL CORP SR FLT NT	AA+	03/15/2019	1.281%	1.20	100,000	100,142	99,935	1,206
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	1.72	16,670	16,822	17,269	289
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	1.90	59,413	61,139	62,643	1,162
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.53	340,000	347,429	346,474	5,309
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.76	100,000	98,525	101,391	1,734
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	12/01/2017	2.500%	1.06	500,000	504,975	507,785	5,353
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/05/2018	4.500%	1.12	500,000	512,900	517,528	5,734
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/22/2017	5.000%	0.68	25,000	25,484	25,517	173
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/22/2018	5.050%	1.22	20,000	20,949	21,072	256
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/06/2020	5.300%	1.79	450,000	498,470	505,310	8,938
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/29/2017	4.750%	1.11	500,000	509,640	509,524	5,667
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/03/2019	5.320%	1.57	50,000	54,569	54,588	856
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	02/27/2018	4.670%	1.15	450,000	464,562	466,313	5,324
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/08/2017	2.250%	0.93	250,000	251,390	251,623	2,345
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.74	60,000	62,335	62,914	1,085
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	2.625%	1.15	500,000	505,380	508,420	5,812
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.08	25,000	25,343	25,552	274
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/09/2017	1.125%	0.77	30,000	30,015	30,064	232
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	5.120%	1.47	250,000	250,853	250,000	3,693
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.52	60,000	65,089	65,302	989
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	4.625%	1.70	200,000	216,752	219,188	3,680
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/05/2017	5.250%	0.75	500,000	503,855	511,280	3,759
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/14/2018	3.750%	1.34	250,000	260,195	262,078	3,487
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.45	25,000	26,618	26,583	386
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	4.125%	1.54	125,000	133,301	136,268	2,057
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.60	700,000	751,191	750,700	12,012
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.58	100,000	100,226	102,006	1,588
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.58	50,000	49,805	50,733	786
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.71	50,000	49,611	50,592	848
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.78	325,000	326,693	333,132	5,822
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.74	100,000	98,295	101,077	1,713
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.26	150,000	150,944	152,282	1,897
FEDERAL HOME LN MTG CORP MULTICLASS	NR	06/25/2020	3.531%	1.96	100,000	104,362	106,188	2,042
FEDERAL HOME LN MTG CORP	AA+	06/13/2018	4.875%	1.18	115,000	119,951	121,538	1,413
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.36	500,000	523,635	522,673	7,127
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.38	50,000	50,392	51,051	696
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.48	50,000	49,721	50,386	736
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	2.46	250,000	254,163	266,641	6,252
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	2.680%	1.98	473,660	480,580	493,347	9,515
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	1.940%	1.92	465,807	466,398	470,174	8,955
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	5.000%	1.89	72,363	74,559	76,276	1,409
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	2.05	254,421	269,513	282,248	5,525
INTERNATIONAL BUSINESS MACHS SR GLBL	AA-	02/06/2018	1.224%	1.17	100,000	100,081	99,977	1,174
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.25	25,000	25,623	25,640	321
MICROSOFT CORP NT	AAA	06/01/2019	4.200%	1.43	100,000	105,789	105,783	1,517
MONONA WIS TAXABLE PROM NTS 2015B	N.A.	06/01/2020	3.250%	2.47	100,000	102,090	102,438	2,518
NEW YORK N Y GOBDS 2011 C TAXABLE	AA	10/01/2018	3.480%	2.02	100,000	102,977	102,992	2,078
OHIO ST GO BDS 2009 C TAXABLE	AA+	03/01/2018	4.371%	1.24	100,000	102,582	102,842	1,267
ORACLE CORP SR FLT NT	A+	07/07/2017	1.350%	1.16	25,000	25,023	25,042	290
PASADENA CALIF PUB FING AUTH L LEASE	AA	03/01/2018	4.224%	1.69	25,000	25,501	25,496	431
TENNESSEE VALLEY AUTH GLBL PWR 07A	AA+	07/18/2017	5.500%	0.91	50,000	50,669	51,141	460
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.17	500,000	516,420	524,868	6,042
WAL MART STORES INC SR GLBL NT	AA	04/05/2017	5.375%	13.06	100,000	100,000	102,239	13,063
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.55	25,000	25,684	25,993	399
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.22	100,000	99,293	100,000	1,214
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	1.80	100,000	98,494	100,058	1,774
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	2.27	100,000	101,811	105,211	2,309
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	2.28	100,000	100,561	103,394	2,288
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	11/01/2020	3.410%	2.25	118,391	123,172	126,826	2,771
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	2.21	100,000	101,077	103,730	2,229
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.26	100,000	97,732	100,150	2,206

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Broker/Dealer	Composite	Coupon	Yield to				Estimated
Investment Name	Credit	Maturity	Rate	Maturity	Par Value	Market Value	Annual \$ Yield
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.20	225,000	229,865	235,863
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.84	165,000	175,068	177,944
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	2.02	260,000	257,491	260,000
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.63	260,000	259,493	260,000
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.95	340,000	337,664	340,000
FEDERAL HOME LN MTG CORP	AA+	10/28/2019	1.625%	1.60	600,000	598,620	599,790
FEDERAL HOME LN MTG CORP	AA+	10/28/2020	2.000%	2.00	400,000	398,652	400,000
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/30/2021	2.250%	2.24	180,000	180,004	180,000
CASH & EQUIVALENTS	-	-	-	0.63	-	789,430	789,430
Capital Improvement Program Reserve Total						\$ 15,585,830	\$ 15,735,470
							\$ 247,554
Stage 2 Capacity Reserve							
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.39	100,000	104,430	105,806
CEDAR PARK TEX CTFS OBLIG TAXABLE	AA	08/15/2018	5.280%	1.47	50,000	52,410	52,469
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.82	75,000	80,342	80,567
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA+	07/01/2017	4.300%	1.54	100,000	100,798	101,411
CONOCOPHILLIPS NT	BBB+	05/15/2018	5.200%	1.65	50,000	51,936	52,666
COOKEVILLE TENN GO INDUSTRIAL AND	N.A.	06/01/2017	3.000%	1.65	100,000	100,223	100,904
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	1.90	59,413	61,139	62,643
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	11/01/2020	4.500%	1.86	54,761	56,072	57,088
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.53	100,000	102,185	103,674
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.76	100,000	98,525	101,391
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/29/2018	0.875%	1.17	100,000	99,626	100,107
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	05/15/2018	4.500%	1.19	100,000	103,764	104,616
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/29/2017	4.750%	1.11	250,000	254,820	254,690
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/28/2018	4.780%	1.31	55,000	57,927	57,709
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/08/2017	2.250%	0.93	250,000	251,390	251,623
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.74	60,000	62,335	62,914
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.08	100,000	101,370	102,208
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/09/2017	1.125%	0.77	100,000	100,051	100,213
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	1.47	200,000	200,682	200,000
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	0.899%	0.86	50,000	50,110	49,959
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.52	50,000	54,241	54,418
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.16	75,000	77,516	77,688
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.45	100,000	106,472	106,330
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.60	125,000	134,141	133,931
FEDERAL HOME LN MTG CORP	AA+	07/25/2017	1.000%	0.82	100,000	100,044	100,070
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.58	100,000	100,228	102,006
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.58	100,000	99,609	101,466
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.71	100,000	99,222	101,183
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.78	175,000	175,912	179,379
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.74	100,000	98,295	101,077
FEDERAL NATL MTG ASSN	AA+	01/14/2019	3.275%	1.40	100,000	103,520	103,404
FEDERAL HOME LN MTG CORP MULTICLASS	NR	10/25/2020	2.788%	1.85	70,541	71,582	72,305
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.36	250,000	261,818	261,276
FEDERAL HOME LN MTG CORP	AA+	05/12/2017	1.250%	0.81	55,000	55,025	55,177
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.38	100,000	100,783	102,101
FEDERAL HOME LN MTG CORP	AA+	08/01/2019	1.250%	1.43	100,000	99,632	101,099
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.48	100,000	99,442	100,772
FEDERAL HOME LN MTG CORP	AA+	04/09/2018	0.750%	1.14	100,000	99,605	99,836
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	2.46	200,000	203,330	213,313
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2020	4.000%	1.98	92,366	95,483	96,783
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	2.05	212,799	225,423	236,074
GARNER N C GO PUB IMPT BDS TAXABLE	AA	02/01/2018	3.050%	1.53	50,000	50,620	50,791
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.304%	1.30	100,000	100,222	99,695
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.25	100,000	102,490	102,559
JPMORGAN CHASE & CO SR NT	A-	03/01/2021	2.550%	2.51	50,000	50,067	51,073
LANCASTER CNTY NEB SCH DIST NO SCH	AA	01/15/2021	4.550%	2.56	50,000	53,674	55,181

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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
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.44	50,000	51,145	52,324	735
NORFOLK VA GO CAP IMPT BDS 2010 B	AA	03/01/2019	4.650%	1.90	100,000	105,225	105,244	2,002
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.22	100,000	102,943	103,176	1,255
SAN LUIS ARIZ PLEDGED EXCISE T REV	N.A.	07/01/2017	2.000%	1.88	100,000	99,995	100,000	1,880
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.17	200,000	206,568	209,766	2,417
U S BANCORP MTNS BK ENT FR	AA+	11/15/2018	1.950%	1.55	100,000	100,599	100,201	1,561
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	1.75	50,000	50,270	49,640	879
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.55	100,000	102,736	103,971	1,595
WYETH NT	NR	04/01/2017	5.450%	-	50,000	50,000	51,088	-
XTO ENERGY INC SR NT	AA+	06/15/2018	5.500%	1.52	100,000	104,557	106,117	1,591
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.22	200,000	198,586	200,000	2,429
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	11/01/2019	1.200%	1.80	100,000	98,494	100,058	1,774
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	2.28	150,000	150,842	155,091	3,432
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	2.21	150,000	151,616	155,595	3,343
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.26	100,000	97,732	100,150	2,206
FEDERAL HOME LN MTG CORP	AA+	08/25/2021	1.250%	2.08	90,000	88,270	90,000	1,834
METRO WASTEWTR RECLAMATION DIS REV	AA+	04/01/2019	4.718%	2.02	100,000	106,247	108,949	2,141
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.84	55,000	58,356	59,315	1,073
FEDERAL HOME LN MTG CORP	AA+	03/30/2021	1.500%	1.84	60,000	58,135	60,000	1,072
FEDERAL HOME LN MTG CORP	AA+	09/30/2021	1.050%	2.51	100,000	97,789	99,900	2,453
FEDERAL NATL MTG ASSN	AA+	09/30/2019	1.250%	1.59	60,000	59,533	59,985	944
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	2.02	60,000	59,421	60,000	1,200
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.95	100,000	99,313	100,000	1,938
FEDERAL HOME LN MTG CORP	AA+	10/28/2019	1.625%	1.60	200,000	199,540	199,930	3,195
FEDERAL HOME LN MTG CORP	AA+	10/28/2020	2.000%	2.00	130,000	129,562	130,000	2,589
FEDERAL NATL MTG ASSN	AA+	08/24/2020	1.875%	1.90	250,000	250,035	250,000	4,761
CASH & EQUIVALENTS	-	-	-	0.63	-	1,413,678	1,413,678	8,906
Stage 2 Capacity Reserve Total						\$ 9,189,711	\$ 9,285,818	\$ 132,775

Subtotal, Bank of the West

\$ 28,270,583 \$ 28,538,299 \$ 430,024

California Local Agency Investment Fund

LAIF - 0.821

\$ 454,173 \$ 454,173 3,729

TOTAL UNRESTRICTED INVESTMENTS

\$ 28,724,756 \$ 28,990,472 \$ 433,753

Bank of New York (Trustee)

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%	-	4,326	4,326	-
2009 Reserve Account - Federal National Mortgage Assn 313G3Q73	Aaa	7/26/2019	1.150%	4,752,085	4,780,000	55,124
2009 Reserve Account - BMW BK North Amer Salt Lake 05580ACK8	Aa	7/24/2019	2.000%	151,139	150,000	2,993
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	0.000%	-	71,126	71,126	-
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%	-	533	533	-
2014 Revenue Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	425	425	-
2014 Revenue Account - Cash	-	0.000%	-	1	1	-
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%	-	9	9	-
2014 COI Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	5,134	5,133	-
2014 COI Account - Cash	-	0.000%	-	14	14	-
2015 Project Account - LAIF	-	0.000%	0.821	5,505,802	4,783,802	45,203
2015 Project Account - JP Morgan Prime MMKT Instl X9USDJPMP	-	0.000%	-	210	210	-
2015 Project Account - Cash	-	0.000%	-	356	356	-
2015 Revenue Account - JP Morgan Prime MMKT Instl X9USDJPMP	-	0.000%	-	163	163	-

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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%	2.36		7,528,049	7,715,749	177,662
	2008 Escrow Account - Cash		-	0.000%	-		581	581	-
	2009 Escrow - United States Treasury 912828XP0	Aaa	7/31/2017	0.625%	0.63		596,439	596,728	3,758
	2009 Escrow - United States Treasury 912828UJ7	Aaa	1/31/2018	0.875%	0.88		598,155	599,629	5,264
	2009 Escrow - Resolution Funding Corp Interest Strip 78116EFS4	Aaa	7/15/2018	0.000%	-		332,923	329,183	-
	2009 Escrow - United States Treasury 912828VQ0	Aaa	7/31/2018	1.375%	1.37		263,760	265,978	3,614
	2009 Escrow - United States Treasury 912828B33	Aaa	1/31/2019	1.500%	1.49		605,804	610,349	9,026
	2009 Escrow - Tunisia Government Aid Bonds 066716AG8	Aaa	7/18/2019	1.686%	1.71		39,723,222	40,944,692	679,287
	2009 Escrow - Cash		-	0.000%	-		2,628	2,628	-
	Subtotal, Bank of New York (Trustee)						\$ 60,208,829	\$ 60,927,558	\$ 981,910
	Less Amounts held in Escrow for 2008 and 2009 Bond Defeasance						\$ (49,651,560)	\$ (51,065,514)	\$ (878,590)
	Net Total, Bank of New York (Trustee)						\$ 10,557,269	\$ 9,862,043	\$ 103,319
	Uninvested Operating Cash						423,848	423,848	-
	TOTAL CASH & INVESTMENTS, UNRESTRICTED AND WITH TRUSTEE						\$ 39,705,872	\$ 39,276,363	537,072
							Weighted Average Yield to Maturity %		1.37%

Summary by Investment Type:	Market Value
US Treasuries	\$ 138,656
Agencies	23,874,478
Commercial Paper / Corporate Bonds	2,654,952
Municipal Bonds / Notes	4,081,072
Money Market / Certificates of Deposit	2,996,740
Local Agency Investment Fund	5,959,975
TOTAL	\$ 39,705,872

Summary by Purpose / Restriction Level	Market Value
Working Capital	\$ 878,021
Operations & Capital Budget Reserve	3,485,042
Capital Improvement Program Reserve	15,585,830
Stage 2 Capacity Reserve	9,199,711
Debt Reserve	5,050,738
Debt Proceeds	5,506,531
TOTAL	\$ 39,705,872

Summary by Liquidity:	Market Value
0-1 years	\$ 34,802,649
1-2 years	-
2-3 years	4,903,224
3-5 years	-
TOTAL	\$ 39,705,872

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: APRIL 2017
CAPITAL IMPROVEMENT PROGRAM IMPLEMENTATION**

Menlo Park Pump Station and Redwood City Pump Station Valve Replacement Project (Capital Project 262 and 263): Replace major valves at Menlo Park and Redwood City Pump Stations

The Maintenance Division has noted that replacement of valves at Menlo Park and Redwood City Pump Stations is necessary to keep the pump stations reliable over the next 7 years, until the pump stations are rehabilitated/replaced. Due to the lead time on the valves, the Commission approved the procurement of the valves at their January 2017 meeting with the intention that installation will be performed under a separate contract. This contract will be presented for award at the May Commission meeting.

Planned Commission Actions: Award Installation Contract – May 2017

Diesel Fuel Pumping System Upgrade Project (9228): Relocate and replace diesel fuel pumps and day tanks for the emergency generators.

The diesel pumps supply fuel to the treatment plant's standby generators. They are located on the lowest level of the Solids Handling Building; a location that is prone to flooding. Additionally, the day tanks that feed the standby generators are old and near the point of failure due to leaking. Under this project, the pumps were replaced and relocated in a flood-safe location, the day tanks and fuel delivery piping were replaced. Construction was completed by Fuel Oil Systems.

Planned Commission Actions: Accept Project – May 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 and Laureta is completing 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.

Planned Commission Actions: Approve Construction Contract – June 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 – June 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 – June 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. In September 2015, the Commission authorized a task order for the design of the rehabilitation of the thickeners. The construction cost estimate that was provided by the designer exceeded the budget of the project, so it was deferred. The decision was made to run the existing thickeners until they almost fail and then replace them with rotary drum thickeners. The gravity thickeners experienced a significant failure in February 2017. At their March 2017 meeting, the Commission authorized purchase of two rotary drum thickeners; these are currently on order for

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

Planned Commission Actions: Approve Installation Contract – June 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 for purposes of obtaining a loan for a number of wastewater treatment plant improvements. Previously, a loan was obtained for Phase 1 of the WWTP improvements; the 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 by September.

Planned Commission Actions: Approve Procurement Documents – September 2017
Authorize Issuance of RFQ – September 2017

Conveyance System Program Project Delivery (6006): Evaluate possible and preferred methods for project delivery.

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 delivery of two of the Conveyance System Projects. The RFQs have been released and preparation of the RFPs is underway. It is expected that PDB entities will be selected in October 2017.

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

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

Project Phase	Project Count	Amended 2015 CIP Update	Actual Spent thru March 2017	\$ Unspent/ Remaining	% Unspent/ Remaining
Completed	103	\$ 139,194,565	\$ 137,316,450	\$ 1,878,114	1.3%
In Construction	29	75,997,343	62,021,155	13,976,188	18.4%
Planning & Design	35	461,274,545	26,905,947	434,368,598	94.2%
Other	33	136,483,183	5,349,918	131,133,265	96.1%
TOTAL	200	* \$ 812,949,637	\$ 231,593,470	\$ 581,356,166	71.5%

* 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 \$\$)	2013 CIP Update (2010 \$\$)	2015 CIP Update (2015 \$\$)	Actual Spent thru March 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	3,082,933
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 proeject (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	-	-
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 buildng 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 March 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	390,681
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 corrossion 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	17,555,210
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	Administation 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 bee 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 March 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	312,429
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 reliabilty. 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 reliabilty. 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 reliabilty. 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	Chorination 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 reliabilty. 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 \$\$)	2013 CIP Update (2010 \$\$)	2015 CIP Update (2015 \$\$)	Actual Spent thru March 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 dimmunitors 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
TOTALS - COMPLETED PROJECTS				\$51,504,236	\$126,514,271	\$139,194,565	\$137,316,450

**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 March 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	9,855,849
Constr	7012	Pump Stations Processor Upgrade & T-1 Transition for Primary Communications	Install new PLC processors for existing Pump Station Controls	-	-	\$ 298,151	87,992
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	\$ 5,442,406	6,046,131
Constr	8018	Gravity Thickener Process Automation	Install basic PLC and Communication equipment, conduit and primary sensing devices in thickener area. Part of SPA	2,105,800	4,285,314	\$ 6,223,412	7,556,230
Constr	8021	Anaerobic Digestion Process Automation	Automate digester process. Part of SPA project.	2,589,600	8,882,096	\$ 9,535,154	7,531,311
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	179,045
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	3,399,768
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	2,156,728
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	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	1,730,127
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	1,230,856
Constr	9164	Dewatering and Solids Handling Improvements - Phase I	Recommendations from the Biosolids Master Plan for dewatering improvements.	-	3,897,253	\$ 5,536,578	6,377,159
Constr	9177	Implement Security Plan Enhancements	Implement inhancements outlined in Security Document; conjoin with capital improvements as they are being	-	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	665,312
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	511,136
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	837,114
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.	-	-	\$ 2,830,731	6,663,116
TOTALS - PROJECTS IN CONSTRUCTION				\$ 26,520,850	\$ 57,118,423	\$ 75,997,343	\$ 62,021,155

**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 March 2017
Planning	6004	Flow Equalization Facility	Build wet weather and diurnal storage facilities on plant	\$8,981,300	\$28,600,000	\$ 18,171,592	618,320
Planning	6006	Conveyance System CEQA	Project Development, CEQA, and Planning for the Conveyance System Project Elements	-	839,000	\$ 5,100,580	3,849,523
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	9,531,636
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	205,178
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	510,997
Planning	6014	Influent Connector Pipe	Install new pipeline that connects headworks process to current plant influent.	-	-	\$ 9,081,206	436,190
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	127,440
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	3,187,100
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	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	304,908
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	\$ 456,857	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	4,011,641
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	94,791
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	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	\$ 137,681	242,475
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	10,418
Planning	9160	WWTP Headworks and Screening Facility	Project provides for a new headworks and screening facility at the WWTP. Pump station predesign efforts will take headworks needs into account.	-	16,422,000	\$ 43,011,190	842,549
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 March 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	121,971
Design	9168	Thickening Improvements - Phase I	Rehabilitate Thickeners 2 and 3	-	2,808,000	\$ 1,448,690	74,856
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	340,715
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	9,005
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	862,193
TOTALS - PROJECTS IN PLANNING & DESIGN				\$66,849,800	\$197,244,395	\$461,274,545	\$26,905,947

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 March 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	35,102	107,961
Project On Hold	9400	Nutrient Removal	Placeholder for faciities 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 minimial 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	-	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 supernating 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	-
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.	-	-	-	-

**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 March 2017
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	433,239	454,457
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	105,279
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	491,882
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	160,372
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	218,870
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	-
TOTALS - REMAINING PROJECTS				\$135,109,900	\$28,350,014	\$136,483,183	\$5,349,918

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

**MINUTES OF SILICON VALLEY CLEAN WATER
SPECIAL MEETING – April 13, 2017**

ITEM 1

CALL TO ORDER

The meeting was called to order at 4:04 p.m.

ITEM 2

ROLL CALL - Commissioners Duly Appointed By Each Agency

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

Mayor Robert Grassilli, San Carlos – Secretary

Staff, Consultants and Visitors Present

Christine C. Fitzgerald, SVCW Legal Counsel

Daniel T. Child, SVCW Manager

Teresa Herrera, SVCW Assistant Manager/Authority Engineer

Linda Bruemmer, SVCW Administrative Services Director

Jennifer Flick, SVCW Human Resources Director

Monte Hamamoto, SVCW Wastewater Superintendent

Kim Hackett, SVCW Engineering Director

Bruce Burnworth, SVCW Senior Engineer

Bill Bryan, SVCW Senior Engineer

Cindy Hui, SVCW Financial Analyst

Ilana Schmidt, SVCW Administrative Assistant

Robert Huffstutler, SVCW Operations Director

Keith McClure, SVCW Operations Supervisor

Derek Rampone, City of Redwood City

Jay Walter, City of San Carlos

Pooja Nagreth, David J. Powers & Associates

Akoni Danielson, David J. Powers & Associates

John Schwarz, JHS Consulting

Michael Goymerac, Kennedy/Jenks Consultants

Justin Senior, WRA, Inc.

Michael Thill, Kingworth & Rodkin, Inc.

Richard Laureta, Freyer & Laureta, Inc.

Tamra Cihla, OpTerra Energy Services

David Baldwin, Op Terra Energy Services

Aren Hansen, Brown & Caldwell

ITEM 3

PLEDGE OF ALLEGIANCE

Mr. Child 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 the importance of Spring cleaning and suggested some important items to be cleaned that are often overlooked.

ITEM 5B

MANAGER'S REPORT

Mr. Child began by stating that SVCW submitted the WIFIA Letter of Intent ahead of deadline and are now waiting for notification of acceptance, scheduled for late June 2017.

Mr. Child noted that two SVCW employees were recently recognized and won Regional Awards from the California Water Environment Association. Ramon Castro won the Operator of The Year and Enrique Salvatierra won Laboratory Technician of the Year.

ITEM 5C

FINANCIAL REPORTS

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

ITEM 6

MATTERS OF COMMISSION MEMBER'S INTEREST

Mr. Seybert stated that he and other Commissioners had mentioned it would be better to return the SVCW Commission meetings to morning meetings. He asked staff to look into switching back to morning meetings.

ITEM 7

CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

Motion/Second: Mr. Grassilli / Mr. Otte

The motion carried by unanimous roll call vote.

ITEM 8A

CONSIDERATION OF RESOLUTIONS CERTIFYING SVCW'S CONVEYANCE SYSTEM FINAL ENVIRONMENTAL IMPACT REPORT, ADOPTING FINDINGS AND MITIGATION MONITORING PROGRAM AND APPROVING PROJECT

Ms. Herrera provided an overview map of the Project. She stated the purpose of the project is ensuring the reliability of the conveyance system and the treatment plant facilities. Ms. Herrera continued to explain the Environmental Impact Report (EIR) process and timeline from selecting Alternative 4BE to EIR Adoption at the April 2017 Commission Meeting. Ms. Herrera provided an in-depth explanation of the main purpose of CEQA, the general contents of an EIR and importantly, if any mitigation is required from findings in the EIR. She was pleased to share the EIR findings would not result in any significant and unavoidable impacts and noise impacts are the only item requiring significant mitigation. Ms. Herrera concluded with anticipated construction periods and outlined the next steps upon certification of the EIR by the Commission.

The Consultants that prepared the EIR were present at the meeting. Commissioner Lieberman requested that the Consultants responsible for preparing the EIR make a verbal confirmation that it was prepared in full compliance of CEQA. John Schwarz (JHS Consulting), Akoni Danielson and Pooja Nagreth (David J. Powers and Associates) verbally confirmed that the EIR has been prepared in full accordance and compliance with the law.

Commissioner Seybert asked, if since there are no identified significant unavoidable impacts, does that mean SVCW would not be required to take necessary actions to address them. Mr. Danielson from David J. Powers assured no additional action was required. The Commission also asked if there are any mitigations which are considered outside normal construction and Mr. Danielson replied there were not. Mr. Seybert also asked how many EIRs Mr. Danielson has worked on. Mr. Danielson responded that in the twenty years of experience he has working on environmental documents, he has contributed to approximately two-hundred EIRs. Mr. Seybert encouraged continued proactive communications with the Redwood Shores community as construction activities ensue and recommended working with the Redwood Shores Community Association.

Motion / Second: Mr. Grassilli / Mr. Lieberman

- i. Move adoption of RESOLUTION OF THE SILICON VALLEY CLEAN WATER COMMISSION CERTIFYING THE FINAL ENVIRONMENTAL IMPACT REPORT PREPARED FOR THE SVCW WASTEWATER CONVEYANCE SYSTEM AND TREATMENT PLANT RELIABILITY IMPROVEMENT PROJECT (SCH# 2016022055) IN ACCORDANCE WITH THE CALIFORNIA ENVIRONMENTAL QUALITY ACT, AS AMENDED
- ii. Move adoption of RESOLUTION OF THE SILICON VALLEY CLEAN WATER COMMISSION MAKING CERTAIN FINDINGS CONCERNING MITIGATION MEASURES AND ADOPTING A MITIGATION MONITORING AND REPORTING PROGRAM IN ACCORDANCE WITH THE CALIFORNIA ENVIRONMENTAL

QUALITY ACT FOR THE SVCW WASTEWATER CONVEYANCE SYSTEM AND TREATMENT PLANT RELIABILITY IMPROVEMENT PROJECT (SCH# 2016022055) FOR WHICH AN ENVIRONMENTAL IMPACT REPORT HAS BEEN PREPARED, AND APPROVING THE PROJECT

The Resolutions carried by unanimous roll call vote.

ITEM 8B

CONSIDERATION OF RESOLUTION APPROVING PROGRESSIVE DESIGN-BUILD REQUEST FOR QUALIFICATIONS

Ms. Herrera discussed the two projects requesting approval to go forth with RFQ's which are the Gravity Pipeline and Front of Plant Projects. These two projects compliment Alternative 4BE of the RESCU Program. Ms. Herrera described the future alignment of the gravity pipeline and its connection with the front of the plant, emphasizing the rationale behind starting both projects simultaneously. Ms. Herrera displayed a flow chart for procuring Design-Build (D-B) teams and thanked Brown and Caldwell (Front of Plant) and Kennedy/Jenks (Gravity Pipeline) for their tremendous work effort as Engineering Owners Advisors for their respective projects.

Commissioner Grassilli asked what the time frames are for selection of the D-B Team and start of construction. Ms. Herrera said in approximately six months she anticipates coming to the Commission with a recommendation, based on the actual proposals received, to hire the D-B Team(s) and the construction process would begin very soon thereafter. After RFQ's are received, Design-Build teams will submit their Statement of Qualifications. The Statement of Qualifications will be evaluated by SVCW and a shortlist of the best qualified firms will be prepared by SVCW. From there, a Request for Proposals (RFP) will be submitted to the Design-Build teams identified as the best qualified from the SOQ process and, as previously stated, it is anticipated that the process will be complete with D-B Team(s) identified and recommended to the Commission at the October 2017 meeting.

Due to the high level of complexity of this work, Commissioner Seybert mentioned it might be a good idea to have the proposing D-B teams make a presentation to the Commission. Mr. Grassilli expressed concern that they may think the Commission can wave a magic wand and override staff recommendation and he feels it is better for SVCW Management to do the evaluation of the proposals and make the appropriate recommendations to the Commission. Commissioner Seybert agreed and requested that upon receipt of the RFQ's, Ms. Herrera provide a presentation to the Commission on the firms selected to make proposals.

Motion / Second: Mr. Otte / Mr. Lieberman

Move adoption of RESOLUTION APPROVING REQUEST FOR QUALIFICATIONS PROCUREMENT DOCUMENTS IN CONNECTION WITH THE WASTEWATER CONVEYANCE SYSTEM AND TREATMENT PLANT RELIABILITY IMPROVEMENT

PROJECT AND AUTHORIZE MANAGER TO ISSUE REQUEST FOR QUALIFICATIONS
TO INTERESTED DESIGN-BUILD ENTITIES

The Resolution carried by unanimous roll call vote.

ITEM 8C

CONSIDERATION OF MOTIONS APPROVING TASK ORDERS FOR WASTEWATER
TREATMENT PLANT AND CONVEYANCE SYSTEM RELIABILITY IMPROVEMENT
PROJECTS GRAVITY PIPELINE AND FRONT OF PLANT

Ms. Herrera displayed the flow chart for Progressive Design-Build and the role of SVCW as Owner's. She added the task orders considered for adoption are for Consultants playing critical roles in support and assistance during the Progressive Design-Build selection process. Hanson Bridgett is responsible for Construction Legal Services, Water Environmental Technical Consulting for Operations and Maintenance input and Technical Edge for automation and SCADA oversight. Ms. Herrera said the recommended task orders will cover the duration of the project rather than having to bring back several task orders to the Commission. In conclusion, Ms. Herrera emphasized that successful projects have excellent project teams and she is extremely confident in the selection SVCW has made.

Commissioner Seybert asked if there is any concern about six-year contracts and what would happen if staff changed. Mr. Child said these are time and material contracts, so if someone goes away and there is not a suitable replacement, SVCW would just not issue work and could move on to another firm. Mr. Child also stated that in this case he is not concerned due to the outstanding past performance and established relationship with these consultants.

Commissioner Lieberman asked if somebody is assigned to this effort and then leaves, how much is remaining for the next person. Mr. Child replied that it depends and can be significant. Mr. Lieberman asked if a commitment from the company can be provided and he would prefer having some form of reassurance that SVCW will not be picking up the cost in the event of this happening. Mr. Child agreed and will work with the firms to ensure the needs and best interest of SVCW are well covered.

Motion / Second: Mr. Lieberman / Mr. Grassilli

- i. Move approval of TASK ORDER SCOPE AND BUDGET FOR OPERATIONAL CONSULTING SERVICES DURING DESIGN-BUILD IN AN AMOUNT OF \$2.16 MILLION AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – WATER ENVIRONMENTAL TECHNICAL CONSULTING
- ii. Move approval of TASK ORDER SCOPE AND BUDGET FOR ELECTRICAL, INSTRUMENTATION, AND AUTOMATION CONSULTING SERVICES DURING

DESIGN-BUILD IN AN AMOUNT OF \$2.16 MILLION AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – TECHNICAL EDGE

- iii. Move approval of TASK ORDER SCOPE AND BUDGET FOR LEGAL SERVICES FOR DESIGN-BUILD IN AN AMOUNT OF \$460 THOUSAND AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – HANSON BRIDGETT

The Motions carried by unanimous roll call vote.

ITEM 8D

CONSIDERATION OF MOTION APPROVING TASK ORDER AMENDMENT FOR FRONT OF PLANT SITE SOIL STABILIZATION

Ms. Herrera said this amendment is for work that has already begun by Freyer & Laureta. She explained that the young bay mud requires stabilization to prepare for construction work in the future. She displayed an image of the front of the plant where the soil stabilization will take place along with plans for a new roadway to accommodate a new staff entrance and needed parking. Ms. Herrera explained the original task order was for lime stabilization only and the amendment will cover preparations for future construction. Staff anticipates bidding this next month and bringing the award to the Commission at the June 2017 Commission Meeting.

Mr. Grassilli asked how long the project will take and Ms. Herrera replied the goal is to be finished in October, right before rainy season.

Commissioner Seybert asked if there are any concerns about the public in the nearby areas. Mr. Child said he doesn't believe so due to outreach efforts and maintaining open communications with the Redwood Shores community and The Audubon Society. Commissioner Seybert shared that in his years of experience, when the public knows what is going on and what is coming up, it alleviates calls coming in and staff time spent on explaining in a reactive mode. Mr. Child confirmed that SVCW will continue the high level of communication that has been in place over the past several years and will work closely with the community to keep them informed of upcoming activities. Mr. Child also stated it is the intention of staff to provide live video feed of the actual construction activities on our website and will make that information known to the community as well.

Motion / Second: Mr. Lieberman / Mr. Grassilli

Move approval of AMENDMENT TO TASK ORDER 2016-05 SCOPE AND BUDGET FOR FRONT OF PLANT SOILS STABILIZATION IN AN AMOUNT NOT TO EXCEED \$46,740 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – FREYER & LAURETA, INC.

The Motion carried by unanimous roll call vote.

ITEM 8E

CONSIDERATION OF RESOLUTIONS APPROVING FISCAL YEAR 2017-18 ANNUAL OPERATING AND CAPITAL EXPENDITURES BUDGET

Mr. Anderson highlighted three changes in the budget since March and incorporated feedback provided by the Commission. The first change is in the gross operating budget increase by forty-five thousand dollars to incorporate the findings of the recently completed Compensation Study that relate to non-represented personnel. This is not a large increase across the board and is specific to those few positions that fell beneath the bottom level of the new projected salary ranges. The second change is an increase in the revenue funded capital by \$323,424 reflecting the updated cost of valve installation at the pump stations and Flow Equalization Facility. The third change is for reserve designations reducing the amount by \$100,597 due to the recognition of investment earnings on the Operating Reserve funds. Mr. Anderson shared that the only significant difference from the Long-Range Financial Plan provided in January 2017 is the reimbursement of reserves due to emergency repairs. Mr. Anderson concluded with recommendation for the Commission to adopt Fiscal Year 2017-18 Final Budget.

Motion / Second: Mr. Grassilli / Mr. Lieberman

- i. Move adoption of RESOLUTION OF THE SILICON VALLEY CLEAN WATER COMMISSION ADOPTING FISCAL YEAR 2017-18 REVENUE PLAN IN THE AMOUNT OF \$23,291,325 IN NET OPERATING REVENUES REQUIRED AND \$1,546,000 FOR REVENUE-FUNDED CAPITAL PROJECTS
- ii. Move adoption of RESOLUTION OF THE SILICON VALLEY CLEAN WATER COMMISSION ADOPTING FISCAL YEAR 2017-18 CASH RESERVE DESIGNATIONS IN THE AMOUNT OF \$2,030,298
- iii. Move adoption of RESOLUTION OF THE SILICON VALLEY CLEAN WATER COMMISSION ADOPTING FISCAL YEAR 2017-18 DEBT SERVICE EXPENDITURES IN AN AMOUNT OF \$12,347,586
- iv. Move adoption of RESOLUTION OF THE SILICON VALLEY CLEAN WATER COMMISSION AUTHORIZING SVCW MANAGER TO IMPLEMENT, MANAGE AND APPROVE EXPENDITURES AUTHORIZED WITHIN THE FISCAL YEAR 2017-2018 ANNUAL OPERATING AND CAPITAL EXPENDITURES BUDGET AS ADOPTED BY THE SILICON VALLEY CLEAN WATER COMMISSION

The Resolutions carried by unanimous roll call vote.

ITEM 9

CLOSED SESSION

Closed Session was called to order at 4:53 p.m.

B. 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)

C. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Government Code §54956.9 (12 potential cases): CalPERS' Determination to Exclude Performance Pay from Retirement Benefit Calculations and Opportunity to Appeal Determination

D. PUBLIC EMPLOYEE PERFORMANCE EVALUATION ((Government Code §54957)

Title: Manager

ITEM 10

RECONVENE IN OPEN SESSION

Open Session reconvened at 4:58 p.m. Ms. Fitzgerald reported that discussion was held on the above items and instructions were given to Staff and Counsel by the Commission and no action was taken.

ITEM 11

ADJOURN

There being no further business, the meeting adjourned at 4:59 p.m.

Robert Grassilli, Secretary

By: Daniel T. Child, Manager

SVCW WARRANT REGISTER

SVCW Warrant Register for the period covering March 25, 2017 to April 7, 2017. A scanned copy was e-mailed to Commissioners on April 11, 2017.

04-07-17


SILICON VALLEY CLEAN WATER
WARRANT REGISTER
FUND RECAP


PAGE 9700

NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	35,000.00
CAPITAL IMPROVEMENT FUND	14	5,063.50
OPERATION	18	457,660.30
PLANT - CIP BOND	20	466,271.41
TOTAL FOR APPROVAL		\$963,995.21

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9685 THROUGH 9700 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 20138 THROUGH 20223 INCLUSIVE, TOTALING IN THE AMOUNT OF \$963,995.21, 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,


.....
CONFIRMED PSM
DATE 4/11/17


4/11/2017


PSM
4/16/17

3/25/17-4/7/17


4-11-17

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SILICON VALLEY CLEAN WATER
WARRANT REGISTER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ALFA LAVAL INC.	20138		1,648.59		
MISCELLANEOUS		277013951 QTY 1 BELT, QTY 5 SEAM WIRE		1,588.78	18
		277013951 QTY 1 BELT, QTY 5 SEAM WIRE		59.81	18
ALL FENCE COMPANY, INC	20139		4,008.00		
CONTRACT SERV. (NON-MAINT.)		66480 FENCE AND GATE REPAIR AT SC AIRPORT PROPERTY		4,008.00	18
ALLIED IRON CO., INC.	20140		635.10		
MISCELLANEOUS		131435 QTY 2 .25 ALUM 5052 PLATE		635.10	18
ALPHA ANALYTICAL LABORATORIES	20141		2,955.00		
CONTRACT SERV. (NON-MAINT.)		7031817RPSVCW SAN CARLOS LAB ANALYSIS		1,015.00	18
		7032225RPSVCW PLANT PERMIT LAB ANALYSIS		855.00	18
		7032406RPSVCW SAN CARLOS LAB ANALYSIS		85.00	18
		7032407RPSVCW WBSD LAB ANALYSIS		85.00	18
		7032408RPSVCW WBSD LAB ANALYSIS		85.00	18
		7032653RPSVCW PLANT PROCESS LAB ANALYSIS		105.00	18
		7032933RPSVCW RWC LAB ANALYSIS		380.00	18
		7033415RPSVCW RWC LAB ANALYSIS		345.00	18
ANDREINI BROTHERS INC	20142		8,842.04		
CONTRACT SERV. (NON-MAINT.)		131155460 3/1-3/3/17CLEANING GRUBBING LANDSCAPE IMPOUN		8,842.04	18
AQUADYNE ASSOCIATES	20143		2,764.72		
MACHINERY AND EQUIP MAINT MATE		17003 QTY 8 VITON FPM BALL, QTY 8 VITON FPM VALVE SEAT		2,251.42	18
		17003 QTY 8 VITON FPM BALL, QTY 8 VITON FPM VALVE SEAT		513.30	18

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SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BACKFLOW PREVENTION SPECIALIST	20144		723.00		
MACH & EQUIP MAINT SERVICES		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.26	18
		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.29	18
		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.29	18
		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.29	18
		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.29	18
		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.29	18
		WO016200 3/1/17 TEST AND CERTIFIED 7 BACKFLOW ASSEMBLI		103.29	18
BANK OF NEW YORK MELLON, THE	20145		1,000.00		
CONTRACT SERV. (NON-MAINT.)		2522010240 3/14/17-3/13/18 TRUSTEE FEE		1,000.00	18
BAY AREA AIR QUALITY MANAGEMEN	20146		4,116.00		
CONST.-ADMIN. & LEGAL		3UN27A 5/12/16 MODIFICATION OF S-180, ANAEROBIC DIGEST		4,116.00	20
BAY CITY ELECTRIC WORKS	20147		119,005.65		
CONSTRUCTION-CONTRACTOR		JC107823 9/20/16 WET SIDE REDUNDANT POWER IMPROVEMENTS		133,553.00	20
		JC107823CM CREDIT MEMO - DELAY OF FREIGHT CARRIER		-14,547.35	20
BORGES & MAHONEY COMPANY	20148		548.86		
MISCELLANEOUS		138766 QTY 8 STEM, QTY 9 SCREW, QTY 9 O-RING HYP, QTY		483.48	18
		138766 QTY 8 STEM, QTY 9 SCREW, QTY 9 O-RING HYP, QTY		30.63	18
		138766 QTY 8 STEM, QTY 9 SCREW, QTY 9 O-RING HYP, QTY		15.76	18
		138766 QTY 8 STEM, QTY 9 SCREW, QTY 9 O-RING HYP, QTY		18.99	18
BROWN & CALDWELL	20149		34,069.75		
CONSTRUCTION-DESIGN		11287649 THRU 2/23/17 T.O. 2016-10 RCPS PROJ PLANNING		34,069.75	20
BRUBAKER, JEFFREY H.	20150		570.00		
CONF. & TRAV.		472017 REIM-4/25-4/28/17 REGISTRATION CWEA 2017 ANNUAL		570.00	18

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SILICON VALLEY CLEAN WATER
W A R R A N T R E G I S T E R
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BUCKLES SMITH ELECTRIC COMPANY	20151		6,616.80		
MACHINERY AND EQUIP MAINT MATE		302545900 QTY 1 PANEL VIEW PLUS 7 TERMINAL		6,616.80	18
BURNWORTH, BRUCE	20152		27.00		
MEMB. & MEET.		472017 REIM-3/14/17 PARKING FOR DBIA PRESENTATION		27.00	18
C H BULL COMPANY	20153		49.28		
MACHINERY AND EQUIP MAINT MATE		11951531 QTY 2 RIDGID A-1 GLOVE LEFT HAND		49.28	18
CA ST-BOARD OF EQUALIZATION	20154		1,567.00		
MISCELLANEOUS		472017 1/17-3/17 SALES TAX ACCRUAL 19-751218		1,566.49	18
		472017 1/17-3/17 SALES TAX ACCRUAL 19-751218		0.51	18
CA ST-FRANCHISE TAX BOARD	20155		6,160.56		
MISCELLANEOUS		472017 1/17-3/17 FORM 592V NONRESIDENT WITHHOLDING		6,160.56	20
CALPERS - FISCAL SERVICES DIVI	20156		35,000.00		
RETIREE MEDICAL PAYMENTS		472017 4/17 PREFUNDING OPEB		35,000.00	12
CASTRO, RAMON	20157		50.00		
SUPPLIES		472017 RECOGNITION OF EE ACHIEVEMENT-CWEA SCVS OPERATO		50.00	18
CDM SMITH INC.	20158		33,553.00		
CONTRUCTION-DESIGN		90011332 THRU 1/28/17 T.O. 2016-06 INFLUENT CONNECTOR		33,553.00	20
CHIU, COLLIN	20159		23.25		
TRAINING		472017 REIM-3/28/17 TRAVEL EXPENSES SALES&USE TAX SEMI		23.25	18
CINTAS CORPORATION NO. 3	20160		2,555.05		
SUPPLIES		464714160 2/21/17 LAUNDRY SERVICE		945.53	18
		464717041 2/28/17 LAUNDRY SERVICE		811.88	18
		464719889 3/7/17 LAUNDRY SERVICE		797.64	18

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SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
COLLABORATIVE STRATEGIES CONSU	20161		15,125.00		
CONTRUCTION-DESIGN		14501SV0317 2/24-3/23/17 T.O. 2017-01 PROPERTY ACQUISI		3,150.00	20
		14605SV0316 2/24-3/23/17 T.O. 2016-05 RCPS REPLACEMENT		1,890.00	20
		14606SV0317 2/24-3/23/17 T.O. 2016-06 MPPS REHABILITAT		2,100.00	20
		15601SV0317 2/24-3/23/17 T.O. 2016-01 BELMONT FORCE MA		2,310.00	20
		15602SV0317 2/24-3/23/17 T.O. 2016-03 INFLUENT CONNECT		2,625.00	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		167.75	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		1,677.50	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		366.00	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		122.00	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		167.75	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		61.00	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		61.00	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		183.00	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		213.50	20
		141604SV0317 2/24-3/23/17 T.O. 2016-04 CONVEYANCE SUPP		30.50	20
CONSOLIDATED PARTS INC.	20162		276.00		
MACHINERY AND EQUIP MAINT MATE		5038079 QTY 4 60W POWER SUPPLY		66.42	18
MISCELLANEOUS		5038079 QTY 4 60W POWER SUPPLY		209.58	18
COTTIER, DON R.	20163		474.03		
SUPPLIES		472017 REIM-3/30/17 SAFETY SHOES		119.63	18
TRAINING		472017A REIM-4/25-4/28/17 AIR TRAVEL EXPENSE CWEA AC 2		354.40	18
D.C. FROST ASSOCIATES INC.	20164		6,182.48		
MISCELLANEOUS		10966 QTY 4 SECTION BOTTOM CONE, QTY 7 SPRING EXTENSIO		6,015.00	18
		10966 QTY 4 SECTION BOTTOM CONE, QTY 7 SPRING EXTENSIO		167.48	18
D.W. NICHOLSON CORPORATION	20165		2,370.20		
CONSTRUCTION-CONTRACTOR		7616 THRU 3/31/17 INSTALLATION BREAKERS&BUCKETS DRYING		2,370.20	20

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SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
DALE SCOTT & CO., INC.	20166		5,000.00		
PROFESSIONAL SERVICES		472017 3/28/17 FY 15-16 CONTINUING DISCLOSURE FEE		5,000.00	18
DMJ GAS MARKETING CONSULTANTS,	20167		3,672.24		
UTILITIES		20170102 2/17 COGEN GAS		3,672.24	18
EMD MILLIPORE CORPORATION	20168		133.52		
MISCELLANEOUS		3652027873 QTY 3 IODINE SOLUTION		133.52	18
ENDRESS+HAUSER, INC	20169		382.25		
MACHINERY AND EQUIP MAINT MATE		6001870390 QTY 1 KIT BUS/CONNEC.B5X/40/8X/65 FIELD HOU		382.25	18
ENVIRONMENTAL RESOURCE ASSOCIA	20170		867.43		
SUPPLIES		823689 LAB SUPPLIES, CHEMICALS		867.43	18
ERS INDUSTRIAL SERVICES, INC.	20171		54,517.42		
CONSTRUCTION-CONTRACTOR		21POM10468 2/17 PRG PMT#21 DUAL MEDIA FILTER A1-A5 COA		54,517.42	20
FASTENAL COMPANY	20172		4,551.52		
SUPPLIES		CASAA51766 VENDOR MANAGED RESTOCK		3,474.19	18
		CASAA51829 VENDOR MANAGED RESTOCK		1,077.33	18
FED EX	20173		97.17		
SUPPLIES		574054389 2/14-3/8/17 FED EX CHARGES		97.17	18
FENTON, CHARLES	20174		21,806.59		
CONST.-ADMIN. & LEGAL		69 1/16-2/10/17 SERVICES INSIDE CA		19,610.50	20
		69A REIM-1/16-2/10/17 TRAVEL EXPENSES		3,568.83	20
MISCELLANEOUS		69B 7% NONRESIDENT WITHHOLDING		-1,372.74	20

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SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FITZGERALD LAW OFFICES	20175		14,177.10		
CONST.-ADMIN. & LEGAL		472017 2/17 PROF SVCS - CONVEYANCE SYSTEM		9,165.00	20
		472017A REIM - 2/17 PROF SVCS		119.40	20
PROFESSIONAL SERVICES		472017B 2/17 GENERAL PROF SVCS		4,792.50	18
		472017C REIM - 2/17 EXPENSES GENERAL		100.20	18
FIVESKY	20176		85,548.08		
SMALL TOOLS		FSUSIN6039 QTY 4 VEDGE-100 AC ROUTER, QTY 4 3 YR SOFTW		50,582.45	18
		FSUSIN6040 QTY 2 VEDGE-1000 AC ROUTER, QTY 2 3 YR SOFT		34,965.63	18
GILHAM, SABRINA	20177		24.85		
TRAINING		4272017 REIM-3/28/17 TRAVEL EXPENSES SALES&USE TAX SEM		24.85	18
GRAINGER	20178		2,493.71		
SUPPLIES		9391941680 RESTOCK ITEMS		150.52	18
MACHINERY AND EQUIP MAINT MATE		9391941680 RESTOCK ITEMS		127.56	18
MISCELLANEOUS		9391941680 RESTOCK ITEMS		171.22	18
SUPPLIES		9392363926 RESTOCK ITEMS		1,699.27	18
MISCELLANEOUS		9395244701 RESTOCK ITEMS		87.87	18
MACHINERY AND EQUIP MAINT MATE		9395654800 RESTOCK ITEMS		127.19	18
MISCELLANEOUS		9399210963 RESTOCK ITEMS		130.08	18
HARRINGTON INDUST PLASTICS	20179		1,334.42		
MACHINERY AND EQUIP MAINT MATE		3K6794 QTY 10 VALVE BALL TUBV S/T PVC EPDM		495.26	18
		3K6926 QTY 10 8" PIPE P/E CLR PVC SCH40		839.16	18
HILLYARD INC	20180		188.56		
MISCELLANEOUS		800294412 CREDIT ON INV 602463636 LINE 2 UNIT PRICE BI		-4.70	18
		602463636 JANITOR SUPPLIES		164.42	18
		602463636 JANITOR SUPPLIES		28.84	18

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SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
HILTI, INC.	20181		39.80		
MISCELLANEOUS		4609263333 QTY 6 HAMMER DRILL BIT		39.80	18
KENNEDY/JENKS CONSULTANTS, INC	20182		4,152.82		
CONTRUCTION-DESIGN		109508 THRU 2/24/17 T.O.2016-02 RWCPS 48" FORCE MAIN E		4,152.82	20
LARRY WALKER ASSOCIATES INC.	20183		1,830.00		
PROFESSIONAL SERVICES		64142 THRU 2/28/17 REGULATORY ASSISTANCE ON NPDES PERM		1,830.00	18
LEIGHTON STONE CORPORATION	20184		712.43		
MISCELLANEOUS		1148751 QTY 5 WIKA GAUGE PRESSURE, QTY 5 ASHCROFT MINI		698.66	18
SUPPLIES		1148751 QTY 5 WIKA GAUGE PRESSURE, QTY 5 ASHCROFT MINI		13.77	18
LIEBERT CASSIDY WHITMORE	20185		6,372.80		
PROFESSIONAL SERVICES		1436871 THRU 2/28/17 WAGE AND HOUR AUDIT		2,553.00	18
		1436872 THRU 2/28/17 D.A. HALL MGMT PAY PERS APPEAL		3,819.80	18
MARINE SCIENCE INSTITUTE	20186		5,000.00		
CONTRACT SERV. (NON-MAINT.)		3202017 ENVIRONMENTAL EDUCATION PROGRAMS 2016-17 SCHOO		5,000.00	18
MCMASTER-CARR SUPPLY CO.	20187		696.33		
SUPPLIES		19859495 QTY 4 REPLACEMENT CARTRIDGE FOR WALL-MOUNT WA		355.90	18
MISCELLANEOUS		19859495 QTY 4 REPLACEMENT CARTRIDGE FOR WALL-MOUNT WA		340.43	18
MENLO PARK, CITY OF	20188		307.33		
UTILITIES		224201735494 1/23-2/20/17 MPPS WATER SERVICE		131.24	18
		329201735494 2/20-3/23/17 MPPS WATER SERVICE		176.09	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
MOTION INDUSTRIES INC.	20189		1,464.34		
SUPPLIES		VS24003924 3/22/17 ADDITIONAL FREIGHT BILLING		1,240.69	18
MISCELLANEOUS		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		39.60	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		21.10	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		19.60	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		23.06	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		23.49	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		24.58	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		23.06	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		16.75	18
		CA24003097 VARIOUS SIZES OF IND HOSE ENDS AND STEEL CL		32.41	18
NAVIA BENEFIT SOLUTIONS	20190		161.10		
ADMINISTRATIVE EXPENSES		10081265 3/17 PARTICIPANT FEE		161.10	18
NORMAN S. WRIGHT MECHANICAL EQ	20191		638.83		
MACHINERY AND EQUIP MAINT MATE		718661 QTY 2 MODBUS FILED KIT		326.72	18
MISCELLANEOUS		718661 QTY 2 MODBUS FILED KIT		312.11	18
OFFICE DEPOT	20192		219.99		
SUPPLIES		914000185001 OFFICE SUPPLIES		26.09	18
OFFICE SUPPLIES		914000225001 OFFICE SUPPLIES		98.57	18
		915545249001 OFFICE SUPPLIES		95.33	18
OTIS ELEVATOR COMPANY	20193		344.50		
MACH & EQUIP MAINT SERVICES		SJ20047001 1/19/17 OTIS MACHINE ADJUST DAMAGED GATE OF		344.50	18
PACE SUPPLY CORP	20194		763.45		
MACHINERY AND EQUIP MAINT MATE		93781763 QTY 5 RUSCO SPINDOWN FILTER 60 MESH POLYESTER		278.46	18
		93781763 QTY 5 RUSCO SPINDOWN FILTER 60 MESH POLYESTER		179.33	18
MISCELLANEOUS		93781763 QTY 5 RUSCO SPINDOWN FILTER 60 MESH POLYESTER		119.99	18
MACHINERY AND EQUIP MAINT MATE		93786305 QTY 1 PC TRUE UNION BALL VALVE W/VITON SEALS		185.67	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
PACIFIC GAS AND ELECTRIC COMPA UTILITIES	20195		216,774.46		
		228201726195 1/22-2/23/17 MPPS ELEC		12,442.18	18
		228201783066 1/25-2/26/17 PLANT ELEC		96,554.36	18
		302201703894 1/24-2/23/17 LYNGSO ELEC		15.34	18
		302201743834 1/24-2/23/17 RCPS ELEC		14,323.81	18
		303201765919 1/31-2/28/17 GEN COGEN GAS		1,015.05	18
		312201724970 2/9-3/10/17 GREENDALE ELECT GAS		887.69	18
		316201723701 2/14-3/15/17 PLANT GAS		1,950.16	18
		323201788673 2/14-3/15/17 BLPS ELEC		4,998.65	18
		323201790892 2/14-3/15/17 1406 GAS AND ELECTRIC		365.11	18
		323201790892 2/14-3/15/17 1406 GAS AND ELECTRIC		444.93	18
		331201703894 2/24-3/26/17 LYNGSO ELEC		15.36	18
		331201743834 2/24-3/26/17 RCPS ELEC		9,424.61	18
		331201783066 2/27-3/27/17 PLANT ELECT		61,448.07	18
		76258425 2/17 PG&E DEPARTING LOAD CHARGE		12,889.14	18
PAN-PACIFIC SUPPLY CO. MISCELLANEOUS	20196		1,631.25		
		29595691 QTY 2 FABRICATE ALLIS CHAMERS IMPELLER NOSE		1,631.25	18
PENINSULA BATTERY, INC. MACHINERY AND EQUIP MAINT MATE	20197		955.70		
		120505 QTY 12 12V 18AH SLA BATTERIES, QTY 4 12V 7AH SL		215.31	18
		120505 QTY 12 12V 18AH SLA BATTERIES, QTY 4 12V 7AH SL		215.33	18
		120505 QTY 12 12V 18AH SLA BATTERIES, QTY 4 12V 7AH SL		215.33	18
		120505 QTY 12 12V 18AH SLA BATTERIES, QTY 4 12V 7AH SL		94.40	18
		120521 QTY 4 12V 18AH SLA BATTERIES		215.33	18
POLYDYNE, INC. CHEMICAL SUPPLIES	20198		20,010.00		
		1123083 3/17/17 18400 CLARIFLOC C-6265		20,010.00	18
POWER ENGINEERING CONSTRUCTION MACH & EQUIP MAINT SERVICES	20199		2,123.41		
		160901 3/1/16-3/31/17 SVCW SAN CARLOS PUMP STATION PIP		2,123.41	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
PURE AIR FILTRATION, LLC	20200		4,818.98		
MISCELLANEOUS		2016398 SEPTIC SCRUBBER MEDIA		2,877.60	18
SUPPLIES		2016398 SEPTIC SCRUBBER MEDIA		980.00	18
MISCELLANEOUS		2016398 SEPTIC SCRUBBER MEDIA		961.38	18
R & B COMPANY	20201		1,067.18		
MACHINERY AND EQUIP MAINT MATE		S1633076001 QTY 2 PVC SOC FLANGE		131.28	18
		S1633502001 PLUMBING PARTS		37.49	18
		S1633502001 PLUMBING PARTS		43.73	18
		S1633502001 PLUMBING PARTS		12.77	18
		S1633502001 PLUMBING PARTS		10.23	18
		S1633502001 PLUMBING PARTS		7.65	18
		S1633502001 PLUMBING PARTS		27.24	18
		S1633502001 PLUMBING PARTS		18.06	18
		S1633502001 PLUMBING PARTS		9.52	18
		S1633502001 PLUMBING PARTS		28.76	18
		S1633502001 PLUMBING PARTS		62.67	18
		S1633890001 PLUMBING PARTS		67.28	18
		S1633890001 PLUMBING PARTS		67.27	18
		S1634975001 PLUMBING PARTS		119.52	18
		S1634975001 PLUMBING PARTS		423.71	18
R.F. MACDONALD CO.	20202		220.85		
MISCELLANEOUS		I193325 QTY 4 A/C CASE GASKET		220.85	18
REDWOOD SHORES COMMUNITY ASSOC	20203		655.00		
CONST.-ADMIN. & LEGAL		170313 2/5-3/3/17 FULL PAGE LEFT INTERIOR COLOR AD		655.00	20
RICE LAKE WEIGHING SYSTEMS	20204		452.00		
SMALL TOOLS		4388931 QTY 1 THERMOMETER TRACEABLE MERCURY		452.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SAFETY COMPLIANCE MANAGEMENT I TRAINING	20205	7953 3/28-3/29/17 HAZARD COMMUNICATION AND WASTE MGMT	790.00	790.00	18
SALVATIERRA, ENRIQUE SUPPLIES	20206	472017 RECOGNITION OF EE ACHIEVEMENT-CWEA SCVS LAB PER	50.00	50.00	18
SAN MATEO COUNTY MOSQUITO AND CONTRACT SERV. (NON-MAINT.)	20207	SM1700021 2/28/17 MOSQUITO AND VECTOR CONTROL	124.52	124.52	18
SFO REPRESENTATIVES, INC. MACHINERY AND EQUIP MAINT MATE MISCELLANEOUS	20208	57151 QTY 3 GOULD SHAWMUT 57345 QTY 6 MERSEN	880.88	293.63 587.25	18 18
SILICON VALLEY CLEAN WATER (EE SUPPLIES	20209	472017 5/17 COMPENSATION-EMPLOYEE ANNIVERSARY	150.00	150.00	18
SILICON VALLEY CLEAN WATER (SA ADMINISTRATIVE EXPENSES	20210	472017 5/17 SAFETY INCENTIVE EARNED FOR MAY 2017	1,925.00	1,925.00	18
STATE WATER RESOURCES CONTROL TRAINING	20211	472017 SWRCB BURNELL LAWRENCE III GRADE III OPERATOR C 3242017 SWRCB DON COTTIER GRADE 3-7066 OPERATOR CERTIF	600.00	300.00 300.00	18 18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TANNER PACIFIC, INC.	20212		79,472.63		
CONSTRUCTION-CONTRACTOR		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		1,072.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		3,410.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		1,644.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		2,202.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		46.50	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		588.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		3,608.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		7,306.50	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		7,534.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		1,460.00	20
CONSTRUCTION-DESIGN		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		44.00	20
CONSTRUCTION-CONTRACTOR		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		18,888.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		8,015.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		372.00	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		5,192.63	20
		217022 3/11-3/25/17 T.O. 2016-01 CONSTRUCTION MGMT SVC		10,929.00	20
PROFESSIONAL SERVICES		217023 2/26-3/25/17 T.O. 2016-03 CONSTRUCTION ADVISORY		2,097.50	18
CONSTRUCTION-CONTRACTOR		217025 2/12-3/25/17 T.O. 2017-01 CONTROL BUILDING HVAC		5,063.50	14
U.S. BANK CORPORATE PAYMENT SY	20213		172.00		
MEMB. & MEET.		3367671 CWEA ASSOC MEMBERSHIP RENEWAL-DYE, JERRY		172.00	18
UNIVAR USA INC.	20214		8,291.72		
CHEMICAL SUPPLIES		SJ807176 3/29/17 4856.85 GAL SOD BISULFITE 25%		4,457.87	18
		SJ807310 3/23/17 3999 GAL SOD HYPO 12.5%		1,785.23	18
		SJ807315 3/24/17 4589 GAL SOD HYPO 12.5%		2,048.62	18
VALLEY OIL COMPANY	20215		1,583.16		
MACHINERY AND EQUIP MAINT MATE		36970 3/17/17 COOLANT FOR JENBACHER ENGINES		1,539.66	18
		36970 3/17/17 COOLANT FOR JENBACHER ENGINES		43.50	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VALLEY OIL COMPANY (VEHICLE FU SUPPLIES	20216	451166 3/1-3/15/17 FUEL CHARGES COMPANY VEHICLES	579.54	579.54	18
VERIZON WIRELESS UTILITIES	20217	9782422749 2/20-3/19/17 VERIZON SERVICE	1,845.17	1,759.13	18
		9782422750 2/20-3/19/17 VERIZON SERVICE		76.02	18
		9782729496 2/24-3/23/17 VERIZON SERVICE		10.02	18
WANDRO, ROBERT UTILITIES	20218	472017 REIM-2/18-3/17/17 AT&T CELL PHONE CHARGES	45.00	45.00	18
WELLS FARGO-COMML OPERATIONS INTEREST EXPENSES	20219	1710400469 LOC#7829596836 12/31/16-3/30/17 PRINCIPAL P	17,629.43	8,208.00	20
		1710400469 LOC#7829596836 12/31/16-3/30/17 PRINCIPAL P		4,535.77	20
		1710400469 LOC#7829596836 12/31/16-3/30/17 PRINCIPAL P		2,558.56	20
		1710400469 LOC#7829596836 12/31/16-3/30/17 PRINCIPAL P		1,596.98	20
		1710437606 LOC#7829596836 3/1-4/2/17 INTEREST-LINE OF		110.54	20
		1710437606 LOC#7829596836 3/1-4/2/17 INTEREST-LINE OF		354.62	20
		1710437606 LOC#7829596836 3/1-4/2/17 INTEREST-LINE OF		195.96	20
		1710437606 LOC#7829596836 3/1-4/2/17 INTEREST-LINE OF		69.00	20
WESTERN ENERGY SYSTEMS MACH & EQUIP MAINT SERVICES	20220	3723284 2/17 LTSA SERVICE AGREEMENT UNIT 1	10,176.00	5,355.12	18
		3723285 2/17 LTSA SERVICE AGREEMENT UNIT 2		4,820.88	18
WESTERN STATES OIL MACHINERY AND EQUIP MAINT MATE	20221	302110 QTY 495 SHELL MYSELLA S3 N 40W	7,920.75	7,920.75	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WHITLEY, BURCHETT AND ASSOCIAT	20222		71,513.96		
CONTRUCTION-DESIGN		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,838.70	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		262.68	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,444.70	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		3,152.06	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,050.69	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,444.70	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,576.03	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		525.34	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		14,446.95	20
		SVC1646 1/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		525.34	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,970.63	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		281.53	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,548.35	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,689.11	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		3,378.22	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,548.35	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		563.04	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		1,126.05	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		563.04	20
		SVC1647 2/17 T.O. 2016-02 CONVEYANCE SYSTEM MGMT SVCS		15,483.50	20
CONST.-ADMIN. & LEGAL		SVC1651 2/17 T.O. 2016-03 SRF FINANCIAL SVCS		3,805.00	20
CONTRUCTION-DESIGN		SVC14322 9/16-10/16 T.O. 2014-03 54" FORCE MAIN REPLAC		1,541.45	20
		SVC14324 12/16-2/17 T.O. 2014-03 54" FORCE MAIN REPLAC		362.50	20
CONST.-ADMIN. & LEGAL		SVC16212 1/17 T.O. 2016-01 SRF FINANCIAL SVCS		6,934.00	20
		SVC16213 2/17 T.O. 2016-01 SRF FINANCIAL SVCS		4,452.00	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
XEROX CORPORATION	20223		3,121.68		
RENTAL/LEASES		88699365 4/17 XEROX LEASE		554.09	18
		88699366 4/17 XEROX LEASE		262.67	18
		88699367 4/17 XEROX LEASE		281.19	18
		88699368 4/17 XEROX LEASE		253.46	18
		88699369 4/17 XEROX LEASE		445.74	18
		88699370 4/17 XEROX LEASE		956.28	18
		88699371 4/17 XEROX LEASE		368.25	18

TOTAL

\$963,995.21

SVCW WARRANT REGISTER

SVCW Warrant Register dated April 30, 2017 for Retiree Health. A scanned copy was e-mailed to Commissioners on April 27, 2017.

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SILICON VALLEY CLEAN WATER
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FUND RECAP

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NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	21,853.35
TOTAL FOR APPROVAL		\$21,853.35

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9725 THROUGH 9729 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 20340 THROUGH 20376 INCLUSIVE, TOTALING IN THE AMOUNT OF \$21,853.35, 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
F.M.

4/21/17
DATE


4/24/2017

4/30/17 (Retiree Health)

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FLAHERTY, LISA M.	20340		788.74		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		788.74	12
LEACH, PRESTON L.	20341		172.48		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
REEVES, DENNIS D.	20342		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
REYES, CESAR V.	20343		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SCHIECHL, WARREN	20344		196.21		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		196.21	12
WALSH, WALTER	20345		68.21		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		68.21	12
WIDGER, RICHARD	20346		1,338.78		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
BAKER, ANDREW	20347		1,223.22		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		1,223.22	12
BEWLEY, JAMES B.	20348		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
BOVE, LEONARD F.	20349		605.39		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
BUENROSTRO, BENJAMIN	20350		1,338.78		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BUSCH, JOSEPH A.	20351		172.48		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
CHAPMAN, ROBERT G	20352		905.87		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
DIAZ, CLARA L.	20353		261.76		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		261.76	12
DONALDSON, ROBERT M.	20354		605.39		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
FAZIO, MICHAEL	20355		172.48		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
FORD, LARENCE	20356		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
GERKE, FRED	20357		605.39		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
GROSSO, LORNA	20358		172.48		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
HALL, DAVID A.	20359		1,778.81		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		1,778.81	12
HERNANDEZ, JOHN M.	20360		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
JONES, REGGIE H.	20361		196.21		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		196.21	12

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
KAUFMAN, KENNETH J	20362		172.48		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KELLY, DIANE L.	20363		579.26		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
KERTZ, FELIX J.	20364		172.48		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KLOKKE, KARL W.	20365		579.26		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
MA, PO KUI	20366		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
MURRAY, GENE RODGER	20367		901.24		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		901.24	12
PINEDO, JESSE	20368		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
POSCH, MICHAEL A.	20369		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SMITH, JULIE	20370		1,338.78		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
SMITH, RAYMOND C.	20371		520.42		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		520.42	12
STORMS, VERNON GARY	20372		772.02		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		772.02	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SUTER, KATHERINE J.	20373		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
TAYLOR, TERRY M.	20374		905.87		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
VON SEEBACH, NANCY	20375		579.26		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
WOODSTOCK, CRAIG M.	20376		472.96		
RETIREE MEDICAL PAYMENTS		517 05/17 RETIREE HEALTH PREMIUM REFUND		472.96	12

TOTAL

\$21,853.35

SVCW WARRANT REGISTER

SVCW Warrant Register for the period covering April 8, 2017 to April 21, 2017. A scanned copy was e-mailed to Commissioners on April 24, 2017.

04-21-17


SILICON VALLEY CLEAN WATER
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FUND RECAP

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NAME	FUND	AMOUNT
CAPITAL IMPROVEMENT FUND	14	9,247.16
STAGE 2 CAPACITY FUND	15	11,402.50
OPERATION	18	458,024.83
PLANT - CIP BOND	20	577,570.39
TOTAL FOR APPROVAL		\$1,056,244.88

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9701 THROUGH 9724 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 20224 THROUGH 20339 INCLUSIVE, TOTALING IN THE AMOUNT OF \$1,056,244.88, 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,


.....
CONTROLLER4.20.17
DATE
4/21/20174/8/17 - 4/21/17


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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ACE AMERICAN INSURANCE COMPANY	20224		3,876.25		
CONST.-ADMIN. & LEGAL		1088403 THRU 3/1/17 REIMB FOR W/C		1,631.29	20
		1094259 THRU 4/1/17 REIMB FOR W/C		2,244.96	20
AIRGAS USA, LLC	20225		2,625.54		
SUPPLIES		9943374777 2/17 CYLINDER RENTAL GASES		1,238.72	18
		9943374777 2/17 CYLINDER RENTAL GASES		7.69	18
		9944099971 3/31/17 O&M MAINT WELDING GASES		7.69	18
		9944099971 3/31/17 O&M MAINT WELDING GASES		1,371.44	18
ALPHA ANALYTICAL LABORATORIES	20226		893.75		
CONTRACT SERV. (NON-MAINT.)		7033839RPSVCW PLAN PROCESS LAB ANALYSIS		788.75	18
		7033840RPSVCW PLANT PERMIT LAB ANALYSIS		105.00	18
ANDREINI BROTHERS INC	20227		3,795.00		
CONSTRUCTION-CONTRACTOR		131155383 2/17 CONSTRUCTION ENTRYWAY INSTALLATION		3,795.00	20
AT&T	20228		331.31		
UTILITIES		407201701511 4/7-5/6/17 BLPS AT&T SERVICE		67.02	18
		407201715339 4/7-5/6/17 MPPS AT&T SERVICE		98.63	18
		407201724836 4/7-5/6/17 RWCPS AT&T SERVICE		98.64	18
		407201796059 4/7-5/6/17 SCPS AT&T SERVICE		67.02	18
ATMOSPHERIC ANALYSIS & CONSULT	20229		1,855.00		
CONTRACT SERV. (NON-MAINT.)		A16715 ANALYSIS & REPORTING - SILOXANES		1,855.00	18
BAY ALARM COMPANY	20230		266.19		
CONTRACT SERV. (NON-MAINT.)		13825551 4/1-7/1/17 BURGLAR MONITORING FEE		266.19	18
BAY AREA NEWS GROUP - EAST BAY	20231		227.81		
CONST.-ADMIN. & LEGAL		1041740 3/7/17 LEGAL AD - SAN MATEO COUNTY TIMES		227.81	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BEARING ENGINEERING COMPANY	20232		33.96		
MISCELLANEOUS		5432625 QTY 2 AP120 BELT CARLISLE SUPER BLUE		33.96	18
BEECHER ENGINEERING	20233		16,564.00		
CONSTRUCTION-DESIGN		31743 3/5-3/22/17 T.O.2016-03 PROF ELEC ENG SVCS-CORRE		8,118.00	20
		31743 3/5-3/22/17 T.O.2016-03 PROF ELEC ENG SVCS-CORRE		8,118.00	20
PROFESSIONAL SERVICES		31745 3/19/17 T.O.2016-01 PROF ELEC ENG SVCS,AS-BUILT		328.00	18
BROWN & CALDWELL	20234		22,853.27		
CONSTRUCTION-DESIGN		11287648 11/25/16-2/23/17 T.O.2015-07 RLS-CONCEPTUAL D		4,085.00	20
PROFESSIONAL SERVICES		11287813 12/30/16-2/23/17 T.O.2016-06 ENGINEERING SVCS		13,705.77	18
CONSTRUCTION-DESIGN		11288714 11/25/16-2/23/17 T.O.2014-06 36" GRAVITY PDR		5,062.50	20
BRUBAKER, JEFFREY H.	20235		181.88		
CONF. & TRAV.		4212017 REIM-4/7/17 TRAVEL EXPENSE - AIR FARE CWEA AC		181.88	18
BUCKLES SMITH ELECTRIC COMPANY	20236		286.89		
MACHINERY AND EQUIP MAINT MATE		302963701 QTY 4 DIN RAIL SNAP-MT SOCKET		21.45	18
		302963702 QTY 4 COMPACT 2P 30A CONT SCR TERM QUAD		265.44	18
C.W.E.A.	20237		312.00		
MEMB. & MEET.		4012017 CWEA-WEF MEMBERSHIP RENEWAL - JAMES KEMP		312.00	18
C.W.E.A. - SCVS	20238		135.00		
TRAINING		4182017 CWEA SANTA CLARA VALLEY SECTION SEMINAR		135.00	18
CA ST-BOARD OF EQUALIZATION	20239		6,037.00		
ADMINISTRATIVE EXPENSES		4052017 2014-2016 HAZARDOUS WASTE GENERATION FEE		6,037.00	18
CALIFORNIA DETAILERS, INC.	20240		275.00		
MACH & EQUIP MAINT SERVICES		43964 4/8/17 FLEET VEHICLE ON-SITE WASH		275.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CALTEST ANALYTICAL LABORATORY	20241		836.10		
CONTRACT SERV. (NON-MAINT.)		571587 NPDES PERMIT LAB ANALYSIS		836.10	18
CALTROL, INC.	20242		1,056.78		
MACHINERY AND EQUIP MAINT MATE		CD99008137 QTY 1 ASCO SOLENOID VALVE 2 WAY		737.25	18
MISCELLANEOUS		CD99014347 QTY 3 ASCO SOLENOID VALVE		319.53	18
CASCADE INTEGRATION & DEVELOPM	20243		34,061.50		
CONSTRUCTION-DESIGN		1277 9/1/16-3/31/17 T.O.2015-03 DUAL MEDIA FILTER 6A &		23,936.50	20
		1271B 3/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION		3,375.00	20
		1271B 3/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION		3,375.00	20
		1271B 3/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION		3,375.00	20
CDM SMITH INC.	20244		44,654.71		
CONSTRUCTION-DESIGN		90011858 THRU 1/28/17 T.O.2016-05 WTPP HEADWORKS SCREE		20,046.21	20
		90013713 1/29-2/25/17 T.O.2016-06 INFLUENT CONNECTOR P		8,446.00	20
		90014056 8/1/16-2/25/17 T.O.2015-03 INFLUENT CONNECTOR		16,162.50	20
CDW GOVERNMENT, INC.	20245		737.33		
SUPPLIES		HLN3193 QTY 4 MSH WRLS DT5050 USB MOUSE		253.16	18
		HLN3193 QTY 4 MSH WRLS DT5050 USB MOUSE		126.15	18
		HLN3193 QTY 4 MSH WRLS DT5050 USB MOUSE		31.81	18
		HLN6897 QTY 6 BELKIN SURGEPRO, QTY 3 DELL 2.0 SPEAKER		143.51	18
		HLN6897 QTY 6 BELKIN SURGEPRO, QTY 3 DELL 2.0 SPEAKER		120.71	18
		HLN6897 QTY 6 BELKIN SURGEPRO, QTY 3 DELL 2.0 SPEAKER		38.06	18
		HLN6897 QTY 6 BELKIN SURGEPRO, QTY 3 DELL 2.0 SPEAKER		23.93	18
CHIU, COLLIN	20246		43.87		
TRAINING		4212017 REIM-4/12/17 TRAVEL EXPENSES - CALPERS TRAININ		19.79	18
		4212017 REIM-4/12/17 TRAVEL EXPENSES - CALPERS TRAININ		24.08	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CINTAS CORPORATION NO. 3 SUPPLIES	20247		3,948.77		
		464725545 3/21/17 LAUNDRY SERVICE		809.63	18
		464728373 3/28/17 LAUNDRY SERVICE		804.06	18
		464731205 4/4/17 LAUNDRY SERVICE		778.36	18
		464734030 4/11/17 LAUNDRY SERVICE		778.36	18
		464736863 4/18/17 LAUNDRY SERVICE		778.36	18
COLE-PARMER INSTRUMENT CO. SUPPLIES	20248		210.25		
		1080611 QTY 2 PK TUFING MFLEX SILICON #17 25'		210.25	18
COLLABORATIVE STRATEGIES CONSU CONSTRUCTION-DESIGN	20249		8,347.50		
		15501SV0417 3/24-4/6/17 T.O.2017-01 PROP ACQUISITION S		3,570.00	20
		15605SV0417 3/24-4/6/17 T.O.2016-05 RCPS REPLACEMENT P		1,207.50	20
		15606SV0417 3/24-4/6/17 T.O.2016-06 MPPS REHABILITATIO		1,627.50	20
		16601SV0417 3/24-4/6/17 T.O.2016-01 BELMONT FORCE MAIN		1,102.50	20
		16602SV0417 3/24-4/6/17 T.O.2016-03 INFLUENT CONNECTOR		840.00	20
COUNTY OF SAN MATEO - AIRPORT CONST.-ADMIN. & LEGAL	20250		97,300.00		
		4212017 5/17 PERMIT#5384-LEASE PYMNT SAN CARLOS AIRPOR		97,300.00	20
COVELLO GROUP INC., THE CONSTRUCTION-CONTRACTOR	20251		15,125.00		
		201303441 3/17 T.O.2013-02 GLOBAL CM CIP PROJECTS		15,125.00	20
CRANWORKS, INC MACH & EQUIP MAINT SERVICES	20252		575.00		
		S14268 REPAIR 1 TON COFFING HOIST		575.00	18
CRYSTAL JANITORIAL SERVICE, IN CONTRACT SERV. (NON-MAINT.)	20253		6,566.00		
		28830 3/11/17 JANITORIAL SERVICES EXTERIOR PLANT WINDO		2,555.00	18
		28971 4/2017 JANITORIAL SERVICES		4,011.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CYCLOTRON INC	20254		26,750.00		
PROFESSIONAL SERVICES		1494 SOFTWARE SUPPORT SERVICE - EXCHANGE MIGRATION		17,750.00	18
		1495 SOFTWARE SUPPORT SERVICES - DOMAIN CONTROLLER DEC		9,000.00	18
D.C. FROST ASSOCIATES INC.	20255		538.17		
MISCELLANEOUS		11079 QTY 2 LINER BOTTOM CONE RUB 1/24' FR		538.17	18
D.W. NICHOLSON CORPORATION	20256		18,322.08		
CONSTRUCTION-CONTRACTOR		1POM10800 2/28/17 PRG PMT#1 BEAST INSTALLATION PROJ		18,322.08	20
DATA INSTINCTS	20257		4,957.50		
CONST.-ADMIN. & LEGAL		2078 3/31/17 RECYCLED WATER COMMUNICATION PLAN		4,957.50	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
DAVID J POWERS AND ASSOCIATES, CONSTRUCTION-DESIGN	20258		27,396.60		
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		548.66	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		5,485.58	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		1,197.07	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		399.02	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		548.66	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		199.51	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		199.51	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		598.54	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		698.29	20
		20150213 12/16 T.O.2015-02 CONVEYANCE SYSTEM CEQA		99.76	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		958.21	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		9,582.10	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		2,090.64	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		696.88	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		958.21	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		348.44	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		348.44	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		1,045.32	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		1,219.54	20
		20150215 2/17 T.O.2015-02 CONVEYANCE SYSTEM CEQA		174.22	20
DENCO CONTROLS INC. MISCELLANEOUS	20259		836.68		
		17822 QTY 1 PRESS GAUGE, QTY 1 DIAPH SEAL, AND LABOR		836.68	18
DKF SOLUTIONS GROUP, LLC CONTRACT SERV. (NON-MAINT.)	20260		450.00		
		12981 4/2017 MY SAFETY OFFICER-MONTHLY SUBSCRIPTION FE		450.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
EDGLEY, KIP D.	20261		23,335.75		
CONTRUCTION-DESIGN		403SV1703 2/27-4/2/17 LABOR IN CA		18,819.00	20
		403SV1703A 2/27-4/2/17 LABOR OUTSIDE CA		135.00	20
		403SV1703B REIM-2/27-4/2/17 TRAVEL EXPENSE		5,699.08	20
MISCELLANEOUS		403SV1703C 7% NON RESIDENT W/H		-1,317.33	20
ELLISON, SCHNEIDER, HARRIS & D	20262		3,248.00		
CONTRUCTION-DESIGN		28606 2/5-2/9/17 LEGAL ENERGY CONSULTING SVCS-PG&E RUL		3,248.00	20
ENVIRONMENTAL LOGISTICS, INC	20263		7,502.83		
CONTRACT SERV. (NON-MAINT.)		67089N 3/2/17 DISPOSAL HAZARDOUS WASTE		6,524.20	18
		67089N 3/2/17 DISPOSAL HAZARDOUS WASTE		978.63	18
ENVIRONMENTAL RESOURCE ASSOCIA	20264		572.24		
SUPPLIES		825773 LAB SUPPLIES, CHEMICALS		572.24	18
ERS INDUSTRIAL SERVICES, INC.	20265		75,269.60		
CONSTRUCTION-CONTRACTOR		11POM10604 1/1-2/28/17 PRG PMT#11 PRIM SEDIMENTATION T		37,634.80	20
		11POM10604 1/1-2/28/17 PRG PMT#11 PRIM SEDIMENTATION T		37,634.80	20
EVOQUA WATER TECHNOLOGIES LLC	20266		25,993.92		
MISCELLANEOUS		902923058 QTY 4000 LBS GAC MEDIA		5,821.69	18
		902923058 QTY 4000 LBS GAC MEDIA		500.00	18
CHEMICAL SUPPLIES		903038498 3/24/17 4306 GAL CALCIUM NITRATE		9,833.83	18
		903058274 4/5/17 4308 GAL CALCIUM NITRATE		9,838.40	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FASTENAL COMPANY	20267		8,403.85		
SUPPLIES		CASAA51989 VENDOR MANAGED RESTOCK		1,648.37	18
MISCELLANEOUS		CASAA52017 VENDOR MANAGED RESTOCK		25.99	18
		CASAA52017 VENDOR MANAGED RESTOCK		318.92	18
		CASAA52017 VENDOR MANAGED RESTOCK		864.85	18
		CASAA52018 QTY 50 .75" GRADE 304 SS RIGID PIPE CLAMP		111.53	18
SUPPLIES		CASAA52045 VENDOR MANAGED RESTOCK		2,305.28	18
		CASAA52097 VENDOR MANAGED RESTOCK		799.37	18
		CASAA52098 VENDOR MANAGED RESTOCK		2,329.54	18
FASTSIGNS	20268		160.00		
MACHINERY AND EQUIP MAINT MATE		39511090 QTY 1 TRUCK GRAPHIC REMOVAL		160.00	18
FERGUSON ENTERPRISES, INC #795	20269		5,866.12		
MACHINERY AND EQUIP MAINT MATE		5280387 QTY 3 CIRCUIT BOARDS REPLACEMENT		5,866.12	18
FIELDMAN, ROLAPP & ASSOCIATES	20270		37,748.75		
CONST.-ADMIN. & LEGAL		23109 3/17 PROF SVCS - WIFIA MODELING & SUPPORT		36,267.50	20
PROFESSIONAL SERVICES		23115 3/2-3/13/17 PROF SVCS - DEBT POLICY ASSISTANCE		1,481.25	18
FISHER SCIENTIFIC COMPANY	20271		5,996.63		
SUPPLIES		7225114 QTY 1 ELECTRODE AMMONIA W/BNC		639.15	18
SMALL TOOLS		9796773 QTY 1 PREMIER ONE DOOR STAINLESS STEEL REFRIGE		5,357.48	18
FIVESKY	20272		5,481.00		
SUPPLIES		FSUSIN6111 IT SUPPORT SERVICE-GLOBAL PROTECTION 1 YEAR		5,481.00	18

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FREYER & LAURETA, INC	20273		62,617.50		
CONTRUCTION-DESIGN		17120 2/17 T.O.2016-05 GEOTECHNICAL SAMPLING&TESTING E		4,903.13	20
		17120 2/17 T.O.2016-05 GEOTECHNICAL SAMPLING&TESTING E		4,903.12	20
		17120 2/17 T.O.2016-05 GEOTECHNICAL SAMPLING&TESTING E		4,903.12	20
		17120 2/17 T.O.2016-05 GEOTECHNICAL SAMPLING&TESTING E		4,903.13	20
		17121 2/17 T.O.2016-02 FEF-PROJ PLANNING REPORT PREP		5,866.67	20
		17121 2/17 T.O.2016-02 FEF-PROJ PLANNING REPORT PREP		5,866.67	20
		17121 2/17 T.O.2016-02 FEF-PROJ PLANNING REPORT PREP		5,866.66	20
		17127 2/17 T.O.2017-01 PROCESS RETURN FLOW METER & SAM		5,475.00	20
		17138 2/17 T.O.2016-01 TUNNEL & GRAVITY PIPELINE - FRO		19,170.00	20
		17139 2/17 T.O.2015-05 FLOW EQUALIZATION FACILITY IMPR		380.00	20
		17139 2/17 T.O.2015-05 FLOW EQUALIZATION FACILITY IMPR		380.00	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
GRAINGER	20274		4,976.17		
MACHINERY AND EQUIP MAINT MATE		9414698416 CREDIT MEMO - QTY 2 DRAIN CLEANING CABLE		-686.87	18
SUPPLIES		9400387222 RESTOCK ITEMS		81.57	18
		9400387222 RESTOCK ITEMS		79.93	18
		9400503018 RESTOCK ITEMS		64.70	18
		9400503026 RESTOCK ITEMS		82.65	18
		9400503026 RESTOCK ITEMS		73.95	18
		9400503026 RESTOCK ITEMS		73.95	18
		9400503026 RESTOCK ITEMS		83.74	18
MISCELLANEOUS		9403537518 RESTOCK ITEMS		460.34	18
MACHINERY AND EQUIP MAINT MATE		9403537518 RESTOCK ITEMS		460.34	18
MISCELLANEOUS		9403537526 RESTOCK ITEMS		14.15	18
		9403537526 RESTOCK ITEMS		11.55	18
MACHINERY AND EQUIP MAINT MATE		9403537526 RESTOCK ITEMS		193.65	18
		9403537526 RESTOCK ITEMS		73.41	18
		9403537526 RESTOCK ITEMS		53.79	18
		9403537526 RESTOCK ITEMS		497.64	18
		9403537526 RESTOCK ITEMS		1,251.06	18
		9405082943 RESTOCK ITEMS		82.70	18
MISCELLANEOUS		9406559626 RESTOCK ITEMS		480.74	18
		9406559626 RESTOCK ITEMS		100.64	18
SUPPLIES		9406559626 RESTOCK ITEMS		81.21	18
		9407993295 RESTOCK ITEMS		107.67	18
MACHINERY AND EQUIP MAINT MATE		9412710387 RESTOCK ITEMS		54.92	18
		9412710387 RESTOCK ITEMS		216.63	18
		9412710387 RESTOCK ITEMS		107.88	18
		9412710387 RESTOCK ITEMS		75.47	18
		9412785181 RESTOCK ITEMS		77.10	18
		9412785181 RESTOCK ITEMS		90.58	18
		9412785181 RESTOCK ITEMS		191.51	18
		9412785181 RESTOCK ITEMS		439.57	18

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HARDY DIAGNOSTICS	20275		171.68		
SUPPLIES		1774297 QTY 1 PKG TSB, USP, 100ML HDX 4OZ BOSTON ROUND		171.68	18
HARRINGTON INDUST PLASTICS	20276		5,461.00		
MACHINERY AND EQUIP MAINT MATE		3K6836 PLUMBING SUPPLIES		687.63	18
CAPITAL		3K7532 PLUMBING SUPPLIES		1,000.94	14
		3K7532 PLUMBING SUPPLIES		1,628.21	14
		3K7532 PLUMBING SUPPLIES		1,704.66	14
MISCELLANEOUS		3K7581 PLUMBING SUPPLIES		151.61	18
MACHINERY AND EQUIP MAINT MATE		3K7582 PLUMBING SUPPLIES		67.49	18
		3K7674 PLUMBING SUPPLIES		220.46	18
HOPKINS TECHNICAL PRODUCTS, IN	20277		336.19		
SUPPLIES		3617300369 QTY 5 ELECTROLYTE CGE2 W. BOTTLE 50ML		336.19	18
HUBBARD, JEFF	20278		906.58		
CONST.-ADMIN. & LEGAL		4212017 REIM-TRAVEL EXPENSES 3/28-3/31/17 DBIA CONFERE		906.58	20
INFOR (US), INC.	20279		31,520.88		
MACH & EQUIP MAINT SERVICES		P236573US0AB 5/16/17 - 5/15/2018 INFOR SOFTWARE MAINT		31,520.88	18
J.J. COMMERCIAL WATER HEATERS	20280		552.00		
MACH & EQUIP MAINT SERVICES		WH5221 4/7/17 CCB BOARD CONTROL		552.00	18
JENTECH SERVICES	20281		11,920.60		
MACH & EQUIP MAINT SERVICES		2227 3/17-4/13/17 INSTRUMENT CALIBRATION		1,425.00	18
		2227 3/17-4/13/17 INSTRUMENT CALIBRATION		1,520.00	18
		2227 3/17-4/13/17 INSTRUMENT CALIBRATION		1,140.00	18
		2227 3/17-4/13/17 INSTRUMENT CALIBRATION		4,370.00	18
		2227 3/17-4/13/17 INSTRUMENT CALIBRATION		3,465.60	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
JOHN CRANE INC.	20282		8,951.25		
MISCELLANEOUS		3260758 QTY 2 SEAL ASSEMBLY		8,951.25	18
KELLER CANYON LANDFILL CO.	20283		884.55		
CONTRACT SERV. (NON-MAINT.)		4212000025588 3/30/17 GRIT HAULING		884.55	18
KELLER INDUSTRIES INC	20284		500.00		
MACHINERY AND EQUIP MAINT MATE		15477 QTY 1 SEWER TUBE DELRIN INSERT MACHINED		500.00	18
KENNEDY/JENKS CONSULTANTS, INC	20285		11,402.50		
PROFESSIONAL SERVICES		110317 THRU 2/24/17 T.O.2016-05 CAPACITY STUDY UPDATE		11,402.50	15
LENSCRAFTERS	20286		260.00		
SUPPLIES		1805047354 SAFETY GLASSES - WILLIAM BOWLEN		260.00	18
MADCO WELDING SUPPLY CO	20287		93.75		
RENTAL/LEASES		9338 3/13/17 CYLINDER RENTAL		93.75	18
MARINA MECHANICAL	20288		938.09		
MACH & EQUIP MAINT SERVICES		87168 3/13/17 MAINTENANCE LABOR CHILLERS		556.38	18
		87579 3/10/17 MAINTENANCE REPAIR- REFRIGERANT PIERCING		381.71	18
MCMaster-CARR SUPPLY CO.	20289		1,206.26		
CAPITAL		22291087 QTY 4 LIQUID OPERATED MTN FREE JET PUMP PVC		1,206.26	14
MID-PENINSULA WATER DISTRICT	20290		359.96		
UTILITIES		331201751500 2/25-3/25-17 BLPS WATER SERVICE		359.96	18
MOTION INDUSTRIES INC.	20291		7,744.67		
SUPPLIES		CA24003560 QTY 2 PIG8-DRM POLY STRG SHED BLACK WITH GR		7,159.18	18
MISCELLANEOUS		CA24005041 QTY 15 SILICON BLACK RTV 300 ML LOCTITE		424.58	18
MACHINERY AND EQUIP MAINT MATE		CA24005143 QTY 12 6" 150# FF NEO GASKET 1/4 BLACK 60 D		160.91	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
MSC INDUSTRIAL SUPPLY CO. INC	20292		162.17		
MISCELLANEOUS		83169287 QTY 2 ROTOMETER FLOWMETER ACRYLIC		162.17	18
NEXLEVEL INFORMATION TECHNOLOG	20293		9,157.70		
CONST.-ADMIN. & LEGAL		20170117 1/17 ERP PROCUREMENT ENGAGEMENT		8,232.70	20
		20170329 3/17 ERP PROCUREMENT ENGAGEMENT		925.00	20
O.K. LUMBER COMPANY	20294		19.58		
MACHINERY AND EQUIP MAINT MATE		412469 QTY 6 PRECUT 3/8" X 10F REBAR		19.58	18
OFFICE DEPOT	20295		202.90		
SMALL TOOLS		901483122001 OFFICE SUPPLIES		24.24	18
SUPPLIES		917539736001 OFFICE SUPPLIES		6.51	18
OFFICE SUPPLIES		917539754001 OFFICE SUPPLIES		172.15	18
OGASAWARA LANDSCAPE MAINTENANC	20296		8,100.00		
CONTRACT SERV. (NON-MAINT.)		23961 3/2017 LANDSCAPE SERVICE		2,500.00	18
		23977 3/21/17 MISC LANDSCAPING WORK AND LABOR		5,600.00	18
OTIS ELEVATOR COMPANY	20297		4,967.01		
MACH & EQUIP MAINT SERVICES		SJ04029417 4/1/17-6/30/17 ELAVATOR SERVICE CONTRACT		4,967.01	18
PACE SUPPLY CORP	20298		223.71		
SUPPLIES		93799658 PLUMBING SUPPLIES		145.98	18
MISCELLANEOUS		93804563 PLUMBING SUPPLIES		77.73	18
PACIFIC GAS AND ELECTRIC COMPA	20299		10,766.38		
UTILITIES		405201765919 2/28-3/31/17 GEG COGEN GAS		600.17	18
		407201726195 2/24-3/23/17 MPPS ELECTRIC		5,866.89	18
		414201723701 3/16-4/13/17 PLANT GAS		4,299.32	18

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PALO ALTO ELECTRIC MOTOR CORP. MACH & EQUIP MAINT SERVICES	20300	RI4295 2/21/17 DYNAMIC BALANCE ROTOR	7,852.20	7,852.20	18
PENINSULA TRUCK REPAIR, INC. MACH & EQUIP MAINT SERVICES	20301	2954 9/27/16 TRUCK REPAIR 3639 3/27/17 TRUCK REPAIR	29,438.00	13,661.19 15,776.81	18 18
PEOPLEREADY INC CONTRACT SERV. (NON-MAINT.)	20302	21977610 3/6-3/12/17 UTILITY WORKER TEMPORARY STAFF OP 22005903 3/13-3/19/17 UTILITY WORKER TEMPORARY STAFF O 22017597 3/6-3/12/17 UTILITY WORKER TEMPORARY STAFF OP 22038118 3/20-3/26/17 UTILITY WORKER TEMPORARY STAFF O 22064297 3/27-4/2/17 UTILITY WORKER TEMPORARY STAFF OP 22067678 3/20-3/26/17 UTILITY WORKER TEMPORARY STAFF O	8,957.45	488.25 2,517.20 1,240.00 992.00 2,480.00 1,240.00	18 18 18 18 18 18
PERKINELMER HEALTH SCIENCES IN SUPPLIES	20303	5303833394 QTY 1 QUARTZ TORCH, QTY 1 INJECTOR SUPPORT, 5303833394 QTY 1 QUARTZ TORCH, QTY 1 INJECTOR SUPPORT, 5303833394 QTY 1 QUARTZ TORCH, QTY 1 INJECTOR SUPPORT,	380.15	6.53 323.59 50.03	18 18 18
POLYDYNE, INC. CHEMICAL SUPPLIES	20304	1127119 QTY 2 CLARIFLOC C-6265 1127119 QTY 2 CLARIFLOC C-6265	5,002.50	3,737.75 1,264.75	18 18
QUENVOLD'S SAFETY SHOEMOBILES MISCELLANEOUS	20305	59504 6 PAIRS RUBBER BOOTS	391.50	391.50	18
QUINCY COMPRESSOR LLC MISCELLANEOUS	20306	79672 QTY 4 ELEM FILTER AIR 8.0 POWER	684.11	684.11	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
R & B COMPANY CAPITAL	20307		818.56		
		S1637308001 PLUMBING PARTS		54.49	14
		S1637308001 PLUMBING PARTS		74.98	14
		S1637308001 PLUMBING PARTS		125.29	14
		S1637308001 PLUMBING PARTS		54.65	14
		S1637308001 PLUMBING PARTS		25.53	14
		S1637308001 PLUMBING PARTS		20.47	14
		S1637308001 PLUMBING PARTS		15.30	14
		S1637308001 PLUMBING PARTS		19.04	14
		S1637308001 PLUMBING PARTS		93.69	14
		S1637308001 PLUMBING PARTS		40.15	14
MACHINERY AND EQUIP MAINT MATE SUPPLIES		S1637318001 PLUMBING PARTS		212.06	18
		S1640062001 PLUMBING PARTS		82.91	18
REDWOOD CITY, CITY OF - FINANC PROFESSIONAL SERVICES SUPPLIES	20308		12,419.36		
		BR43776 3/17 ACCOUNTING SERVICES		11,119.55	18
		BR43837 2/16-3/15/17 FUEL CHARGES		1,299.81	18
REDWOOD CITY, CITY OF - WATER UTILITIES	20309		5,349.32		
		32820170774 2/28-3/28/17 RCPS WATER		505.71	18
		328201719903 2/28-3/28/17 1406 WATER, SEWER, GARBAGE,		306.69	18
		321201719929 2/28-3/28/17 1406 FIRE SERVICE		96.00	18
		322201786984 2/28-3/28/17 PLANT WATER, GARBAGE SERVICE		4,440.92	18
ROCKWELL SOLUTIONS MISCELLANEOUS	20310		35,905.68		
		1565 QTY 1 ROTATING ASSEMBLY CHOPPER PUMP		35,905.68	18
ROTO-ROOTER MACH & EQUIP MAINT SERVICES	20311		6,233.00		
		19319411531 SEWER SERVICE		1,516.00	18
		19319424554 SEWER SERVICE		655.00	18
		19319452067 SEWER SERVICE		4,062.00	18

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ROYAL WHOLESALE ELECTRIC	20312		2,074.35		
MACHINERY AND EQUIP MAINT MATE		7003633119 CREDIT MEMO - QTY 20 3X2 RED WASH		-42.01	18
MISCELLANEOUS		7003631842 VARIOUS RED WASHERS		125.15	18
MACHINERY AND EQUIP MAINT MATE		7003631842 VARIOUS RED WASHERS		52.52	18
MISCELLANEOUS		7003631842 VARIOUS RED WASHERS		105.03	18
MACHINERY AND EQUIP MAINT MATE		7003631842 VARIOUS RED WASHERS		49.43	18
		7003631842 VARIOUS RED WASHERS		38.64	18
		7003631842 VARIOUS RED WASHERS		72.55	18
MISCELLANEOUS		7003631842 VARIOUS RED WASHERS		135.13	18
MACHINERY AND EQUIP MAINT MATE		7003632029 QTY 1 ASCO 12-24 VALVE SOLENOID		1,062.49	18
		7003633780 QTY 2 OMRON H3YN-2 AC100-120		286.45	18
		7003633928 QTY 20 3/4 AL BLANK COVER, QTY 20 3/4 NEO G		64.38	18
		7003633928 QTY 20 3/4 AL BLANK COVER, QTY 20 3/4 NEO G		64.38	18
		7003633928 QTY 20 3/4 AL BLANK COVER, QTY 20 3/4 NEO G		15.19	18
MISCELLANEOUS		7003634199 QTY 20 1/2 AL BLANK COVER		45.02	18
SABAH INTERNATIONAL INC	20313		1,649.75		
MACH & EQUIP MAINT SERVICES		126482 3/2017 QUARTERLY SPRINKLER INSPECTION		438.75	18
		126503 3/2017 SEMI-ANNUAL FIRE ALARM INSPECTION		762.50	18
		126504 3/2017 SEMI-ANNUAL SUPPRESSION INSPECTION		448.50	18
SAN MATEO COUNTY MOSQUITO AND CONTRACT SERV. (NON-MAINT.)	20314		155.55		
		SM1700036 3/31/17 MOSQUITO AND VECTOR CONTROL		155.55	18
SANDUL, DUANE	20315		1,700.00		
PROFESSIONAL SERVICES		3SVCW2017 3/2017 PROFESSIONAL SERVICES		1,700.00	18
STATE WATER RESOURCES CONTROL TRAINING	20316		230.00		
		4212017 SWRCB VEER RAM GRADE II-28176 OPERATOR CERT RE		230.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
STEVEN ENGINEERING INC.	20317		3,296.88		
MACHINERY AND EQUIP MAINT MATE		242647700 FREIGHT ONLY FOR INV 242188300		16.95	18
		242005100 QTY 1 PHOENIX TRANSMITTER, ANTENNA AND TRANS		92.22	18
		242005100 QTY 1 PHOENIX TRANSMITTER, ANTENNA AND TRANS		1,676.96	18
		242005100 QTY 1 PHOENIX TRANSMITTER, ANTENNA AND TRANS		689.91	18
		242188300 QTY 2 RED LION INDICATION PAX, QTY 4 RED LIO		776.47	18
		242188300 QTY 2 RED LION INDICATION PAX, QTY 4 RED LIO		44.37	18
SUBURBAN PROPANE LP	20318		286.84		
UTILITIES		1644015191 4/3/17 PROPANE 41.6 GAL		275.55	18
		1644015191 4/3/17 PROPANE 41.6 GAL		11.29	18
TANNER PACIFIC, INC.	20319		82,070.68		
CONSTRUCTION-CONTRACTOR		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		21,128.68	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		3,566.50	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		5,406.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		777.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		11,154.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		848.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,797.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		3,271.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,160.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		18,383.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,388.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		7,608.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		420.00	20
		217026 3/26-4/8/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		980.00	20
CONSTRUCTION-CONTRACTOR		217027 3/26-4/8/17 T.O.2017-01 CONSTRUCTION ADVISORY S		3,183.50	14

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TELEPACIFIC COMMUNICATIONS	20320		9,900.28		
UTILITIES		895542590 4/9-5/8/17 TELEPACIFIC SERVICE		1,000.00	18
		895542590 4/9-5/8/17 TELEPACIFIC SERVICE		1,000.00	18
		895542590 4/9-5/8/17 TELEPACIFIC SERVICE		1,000.00	18
		895542590 4/9-5/8/17 TELEPACIFIC SERVICE		1,000.00	18
		895542590 4/9-5/8/17 TELEPACIFIC SERVICE		5,900.28	18
THATCHER COMPANY OF CALIFORNIA	20321		4,474.07		
CHEMICAL SUPPLIES		243823 3/23/17 3996.7 GAL FERRIC CHLORIDE 38-42%		4,474.07	18
THE FERGUSON GROUP LLC	20322		14,281.10		
PROFESSIONAL SERVICES		117580 1/25-1/30/17 PROF SVCS		1,317.50	18
		217589 2/17 PROF SVCS		12,932.00	18
		117580B REIM-1/25-1/30/17 PROF SVCS		31.60	18
THOMAS FISH CO.	20323		126.00		
SUPPLIES		21607 QTY 110 RAINBOW TROUT		126.00	18
TOYOTA MATERIAL HANDLING	20324		68.30		
SUPPLIES		E81053 QTY 2 HORN BUTTON, QTY 6 BATTERY ROD		5.00	18
MACHINERY AND EQUIP MAINT MATE		E81053 QTY 2 HORN BUTTON, QTY 6 BATTERY ROD		15.31	18
MISCELLANEOUS		E81053 QTY 2 HORN BUTTON, QTY 6 BATTERY ROD		47.99	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	20325		14,273.54		
SUPPLIES		3222017BB1 2/24/17 LICENSE SUBSCRIPTION - MS OFFICE 03		100.00	18
		3222017BB2 3/12/17 LICENSE SUBSCRIPTION - MS OFFICE 03		112.00	18
		3222017BB3 3/14/17 LICENSE SUBSCRIPTION - MS OFFICE 03		193.57	18
MEMB. & MEET.		3222017DC1 2/28/17 MONTHLY BUSINESS LUNCH - WEST BAY		41.00	18
MACH & EQUIP MAINT SERVICES		3222017DC2 3/1/17 VEHICLE WASH - AUTO PRIDE		23.99	18
MEMB. & MEET.		3222017DC3 3/3/17 PERFORMANCE INCENTIVE NEGOTIATIONS C		55.00	18
SUPPLIES		3222017DC4 3/14/17 SVCW EMPLOYEE JACKETS		5,693.77	18
		3222017DC5 3/14/17 FUEL CHARGE		19.51	18
MEMB. & MEET.		3222017DC6 3/14/17 CAR RENTAL - CSRMA MEETING		230.18	18
SUPPLIES		3222017DC7 3/14/17 PARKING FEE - CSRMA MEETING		88.00	18
MEMB. & MEET.		3222017DC8 3/15/17 TRAVEL EXPENSE - BART CSRMA EXEC BO		8.60	18
CONF. & TRAV.		3222017DL1 3/4/17 REGISTRATION FEE - BAY AREA SAFETY S		179.00	18
SUPPLIES		3222017DL2 3/6/17 SUBSCRIPTION RENEWAL CHARGE - SURVEY		300.00	18
CONF. & TRAV.		3222017EM1 3/1/17 ACCOMODATION EXPENSE - P3S CONFERENC		634.80	18
		3222017EM2 3/1/17 ACCOMODATION EXPENSE - P3S CONFERENC		634.80	18
		3222017EM3 3/3/17 REGISTRATION FEE - CWEA CONF 4/25-28		570.00	18
TRAINING		3222017EM4 3/3/17 TCP RENEWAL FEE - MT-3 F GUZMAN		93.00	18
CONF. & TRAV.		3222017EM5 3/6/17 REGISTRATION FEE - CWEA CONFERENCE B		605.00	18
		3222017EM6 3/6/17 REGISTRATION FEE - CWEA CONFERENCE E		640.00	18
		3222017EM7 3/6/17 REGISTRATION FEE - CWEA CONFERENCE R		640.00	18
		3222017EM8 3/20/17 REGISTRATION FEE - CWEA CONFERENCE		570.00	18
SUPPLIES		3222017IS1 2/24/17 ERGONOMICAL KEYBOARD & MOUSE - COUN		350.93	18
		3222017IS2 3/1/17 TRAINING REFRESHMENTS - O&M COGSDALE		14.97	18
		3222017IS3 3/1/17 MONTHLY MEETING REFRESHMENTS - W/ DA		259.54	18
		3222017IS4 3/2/17 TRAINING MEAL EXPENSE - O&M COGSDALE		203.01	18
		3222017LB1 3/2/17 TRAVEL EXPENSE - FASTRAK		160.00	18
MEMB. & MEET.		3222017MA1 2/27/17 MEMBERSHIP FEE - 2017 CSMFO		110.00	18
MACH & EQUIP MAINT SERVICES		3222017MH1 3/14/17 SVCW VEHICLE MAINTENANCE - AUTO PRI		64.47	18
TRAINING		3222017RH1 3/3/17 TRAINING FEE - ICS MARIA GAWAT		1,450.00	18
CONF. & TRAV.		3222017RH2 3/3/17 TRAVEL EXPENSE - CWEA CONFERENCE RAM		228.40	18

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U.S. BANK CORPORATE PAYMENT SY	20326		9,511.48		
CONF. & TRAV.		3222017RH3 3/9/17 TRAVEL EXPENSE - CWEA CONFERENCE BOB		228.40	18
TRAINING		3222017RH4 3/17/17 TRAINING FEE - UNITY LAB SVCS TIFFA		400.00	18
		3222017RH5 3/17/17 TRAINING FEE - UNITY LAB SVCS RAMIN		400.00	18
MEMB. & MEET.		3222017TH1 2/22/17 MEMBERSHIP FEE - WATERUSE ASSOCIATI		2,600.00	18
CONF. & TRAV.		3222017TH2 3/6/17 TRAVEL EXPENSE - 3/28-3/31/17 DBIA C		456.40	18
		3222017TH3 3/6/17 TRAVEL CHARGE REIMBURSED 3/21/17 CK#		30.00	18
MEMB. & MEET.		3222017TH4 3/14/17 PARKING FEE - DBIA PRESENTATION SUT		12.00	18
CONF. & TRAV.		3222017VV1 2/22/17 REFUND OF RENTAL CANCELLATION REF 1		-42.07	18
SUPPLIES		3222017VV2 3/2/17 EVENT MEAL EXPENSE - CWEA, SVCW SPON		276.00	18
		3222017VV2 3/2/17 EVENT MEAL EXPENSE - CWEA, SVCW SPON		276.00	18
CONF. & TRAV.		3222017VV3 3/3/17 REFUND OF RENTAL CANCELLATION REF 1/		-150.00	18
		3222017VV4 3/9/17 REGISTRATION FEE - WEF CONFERENCE 3/		570.00	18
MEMB. & MEET.		3222017VV5 3/9/17 MEMBERSHIP FEES - WATER ENVIRO FEDER		312.00	18
		3222017VV6 3/10/17 MEMBERSHIP FEE - CWEA KIM HACKETT		172.00	18
CONF. & TRAV.		3222017VV7 3/10/17 REGISTRATION FEES - CWEA APRIL CONF		1,050.00	18
MISCELLANEOUS		3222017DM1TAX SALES TAX LIABILITY		-30.83	18
		3222017DM2TAX SALES TAX LIABILITY		-7.03	18
		3222017DM3TAX SALES TAX LIABILITY		-73.33	18
		3222017DM5TAX SALES TAX LIABILITY		-4.29	18
		3222017IS1TAX SALES TAX LIABILITY		-27.03	18
		3222017JD1TAX SALES TAX LIABILITY		-1.89	18
		3222017DM1 2/24/17 QTY 50 WATER - COSTCO		385.00	18
SUPPLIES		3222017DM2 3/1/17 COFFEE SUPPLIES - AMAZON		79.39	18
		3222017DM2 3/1/17 COFFEE SUPPLIES - AMAZON		7.93	18
		3222017DM3 3/2/17 QTY 200 IDENTIFICATION CARDS - ID SE		911.33	18
MACHINERY AND EQUIP MAINT MATE		3222017DM4 3/15/17 QTY 1 AUTOMATIC FLUSH VALVE - RIVER		383.13	18
SMALL TOOLS		3222017DM5 3/16/17 QTY 1 MICROMETER-OUTSIDE, LS STARRE		180.60	18
SUPPLIES		3222017DM6 3/17/17 QTY 2 NEWLIFE ECO GELPRO STAND DESK		235.10	18
		3222017DM7 3/21/17 QTY 2 PRO PLUS 36 WORK DESK - VARID		859.14	18
MACHINERY AND EQUIP MAINT MATE		3222017JD1 2/22/17 QTY 1 BULL-DOG-HINGE-0003, JAKE SAL		23.53	18

4/8/17 - 4/21/17

7B-22

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
04/21/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	20327		503.75		
MACHINERY AND EQUIP MAINT MATE		3222017JD2 3/2/17 QTY 1 3/4" X 75' INDUSTRIAL HOSE GAR		48.90	18
		3222017JD3 3/3/17 QTY 1 150' HIDEAWAY HOSE STORAGE - H		43.47	18
SUPPLIES		3222017JD4 3/16/17 QTY 2 - 7.5' PACIFIC BLUE PATIO UMB		337.13	18
		3222017JD5 3/18/17 QTY 2 - 72" POLYESTER GRILL COVERS,		74.25	18
U.S. HEALTHWORKS MEDICAL GROUP	20328		135.00		
PROFESSIONAL SERVICES		3099739CA 4/3/17 PRE-EMPLOYMENT PHYSICAL-P AXIAQ		135.00	18
UNIVAR USA INC.	20329		11,995.76		
CHEMICAL SUPPLIES		SJ807656 3/31/17 4497 GAL SOD HYPO 12.5%		2,007.55	18
		SJ808154 4/3/17 4497 GAL SOD HYPO 12.5%		2,007.55	18
		SJ808936 4/7/17 4804 GAL SOD BISULFITE 25%		4,409.75	18
		SJ809083 4/6/17 3501 GAL SOD HYPO 12.5%		1,562.91	18
		SJ809671 4/11/17 4498 GAL SOD HYPO 12.5%		2,008.00	18
USA BLUE BOOK	20330		257.03		
MACHINERY AND EQUIP MAINT MATE		213276 QTY 2 FLOWMETER		20.41	18
		213276 QTY 2 FLOWMETER		236.62	18
VALLEY OIL COMPANY	20331		10,004.18		
UTILITIES		869609 3/29/17 DYED DIESEL 4191 GAL		10,004.18	18
VORTEX INDUSTRIES INC	20332		1,267.23		
MACH & EQUIP MAINT SERVICES		4511215691 3/23/17 REPAIR ROLLING STEEL FIRE DOORS		1,267.23	18

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
04/21/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VWR INTERNATIONAL, LLC	20333		3,894.98		
SUPPLIES		8048045985 LAB SUPPLIES		94.36	18
		8048134190 LAB SUPPLIES		60.19	18
SMALL TOOLS		8048141010 LAB SUPPLIES		891.84	18
SUPPLIES		8048141010 LAB SUPPLIES		56.79	18
		8048157078 LAB SUPPLIES		707.85	18
		8048161418 LAB SUPPLIES		722.64	18
		8048164218 LAB SUPPLIES		152.25	18
		8048164218 LAB SUPPLIES		56.20	18
		8048164218 LAB SUPPLIES		51.77	18
		8048207765 LAB SUPPLIES		815.19	18
MISCELLANEOUS		8048252478 LAB SUPPLIES		285.90	18
WATER ENVIRONMENT FEDERATION	20334		247.00		
MEMB. & MEET.		17481323DALY MEMBERSHIP RENEWAL - MICK JAMES DALY WEF		247.00	18
WESTERN ENERGY SYSTEMS	20335		18,749.28		
MACH & EQUIP MAINT SERVICES		3735139 3/17 LTSA SERVICE AGREEMENT UNIT 1		8,878.56	18
		3735140 3/17 LTSA SERVICE AGREEMENT UNIT 2		9,870.72	18
WESTERN WEATHER GROUP INC	20336		1,222.00		
MACH & EQUIP MAINT SERVICES		14449 3/28/17 QUARTERLY AUDIT METEOROLOGICAL STATION		1,222.00	18
WESTIN ENGINEERING, INC.	20337		7,259.43		
PROFESSIONAL SERVICES		3121 2/28-3/31/17 PROFESSIONAL SERVICES SUPPORT		3,784.43	18
CONTRACT SERV. (NON-MAINT.)		3124 2/25-3/31/17 PROFESSIONAL SERVICES SUPPORT		3,475.00	18

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WRA ENVIRONMENTAL CONSULTANTS CONSTRUCTION-DESIGN	20338		4,433.13		
		201711629004 2/17 T.O.2015-03 CONVEYANCE SYSTEM CEQA		484.53	20
		201711629004 2/17 T.O.2015-03 CONVEYANCE SYSTEM CEQA		484.53	20
		201711629004 2/17 T.O.2015-03 CONVEYANCE SYSTEM CEQA		484.51	20
		201711629004 2/17 T.O.2015-03 CONVEYANCE SYSTEM CEQA		484.53	20
		201711629004 2/17 T.O.2015-03 CONVEYANCE SYSTEM CEQA		484.53	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		601.96	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		65.67	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		60.20	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		21.89	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		131.34	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		10.95	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		76.62	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		21.89	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		60.20	20
		201711829031 2/17 T.O.2016-01 BIOLOGICAL PERMIT SVCS		43.78	20
		201711929032 2/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		137.40	20
		201711929032 2/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		137.40	20
		201711929032 2/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		503.80	20
		201711929032 2/17 T.O.2016-02 CA RIDGWAY RAIL SURVEY S		137.40	20
ZUN ZUN	20339		1,500.00		
CONTRACT SERV. (NON-MAINT.)		4004 1/13-3/22/17 PUBLIC RELATIONS-WASTEWATER AWARENES		1,500.00	18
		TOTAL		\$1,056,244.88	

**DIESEL FUEL PUMPING SYSTEM UPGRADE PROJECT (CIP #9228)
PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of Diesel Fuel Pumping System Upgrade Project (CIP #9228) and Authorization to File Notice of Completion.

BACKGROUND

The treatment plant is required to process sewage 24 hours a day, 365 days a year, with no planned or unplanned downtime or shutdowns to the treatment processes which would result in untreated water being discharged to the bay. To ensure continuous operation, the plant relies on standby generators in case of interruption to the plant's electrical service (interruption to either the cogeneration engines or P.G.&E. service).

The standby generators are fueled by diesel. In the event of a power failure, diesel fuel is pumped from the Main Plant Underground Storage Tank (UST) to the standby generators located in the Solids Handling Building. The diesel fuel supply system is comprised of a 15,000 gallon underground fuel storage tank, two diesel pumps, delivery piping, and day tanks in the standby generator room. The diesel pumps and day tanks were original to the plant and well past the point of their useful life; if any of these fail, emergency power generation would be severely limited or lost altogether. Also, the diesel pumps were located on the bottom floor of the Solids Handling Building in a location that is prone to flooding and has flooded in the past. It is important that these critically important pumps be relocated to a higher elevation, above the flood level.

DISCUSSION

The diesel fuel pumping system design was completed by CDM-Smith with significant input from SVCW operations, maintenance, and engineering staff. The construction project included: relocating the fuel delivery pumps to a higher level in the Solids Handling Building, replacing the fuel delivery piping, purchasing and installing new day tanks, and automating the entire fuel delivery system.

The project was publicly advertised for bidding and Fuel Oil Systems was awarded the contract for an original contract amount of \$249,000 in October 2015. The Notice to Proceed was issued on November 2, 2015. During the course of the project, SVCW authorized 11 contract change orders in an amount of \$11,695 or 4.7% of the original contract amount. Three change orders were time extensions with no related cost and one was a credit. The remaining change order work involved unforeseen field conditions. The total payment to Fuel Oil Systems is \$260,695.

The installation work done by Fuel Oil Systems reached Substantial Completion on February 28, 2017. Work was completed to the satisfaction of the project manager and staff and, therefore, staff recommends the project be accepted and Notice of Completion for the project issued.

FINANCIAL IMPACT

The Diesel Fuel Pumping System Upgrade project is funded from CIP #9228 which allocates \$879,178 for the project. The total project amount expended for this project is \$511,136. This includes items pre-purchased by SVCW, the construction project by Fuel Oil Systems, all administrative costs, inspections, and automation programming for the entire system. Upon completion of record drawings, the project will be complete.

RECOMMENDATION

Move approval to ACCEPT THE DIESEL FUEL PUMPING SYSTEM UPGRADE PROJECT (CIP #9228) AND AUTHORIZE FILING NOTICE OF COMPLETION – FUEL OIL SYSTEMS

**Silicon Valley Clean Water
Diesel Fuel Pumping System Upgrade (CIP 9228)
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of the Diesel Fuel Pumping System Upgrade are accepted as Substantially Complete in accordance with Specification Sections 00700-8.6 and 00800-1.5 and as defined herein.

As of February 28, 2017, these portions of the Project are accepted:

1. All work on the Project except as noted below:
 - a. Installation of three (3) new Pressure Relief Valves (Completed 3/27/17)
 - b. Test of system to confirm no leaking at each PRV (From 3/27/17 through 4/16/17)
 - c. Demolition of existing diesel system piping (Scheduled for 4/17/17)

As of the above dates the following responsibilities are agreed to:

1. Authority:
 - a. The Authority assumes responsibility for security, maintenance (except as noted below), heat, utilities, damage to the Work (except as caused by the Contractor's actions) and insurance for the facilities.
2. Contractor:
 - a. The Contractor shall maintain and provide proof of insurance as required by Specification Section 00800-3.1.4 for all work required to complete the Punch List and for five years following Final Completion as required by Specification Section 00800-3.2.
 - b. The Contractor shall work in an expeditious manner to complete the remaining work and administrative requirements on the Project.

Execution of this agreement does not waive the Authority's right to assess liquidated damages as provided for in the Contract Documents. The one year (365 Calendar Days) warranty for the accepted Work shall commence per Specification Section 01740-1.0 on the date of Acceptance by the Authority.

The undersigned hereby acknowledge agreement to the above provisions:

Contractor: FUEL OIL SYSTEM
~~Grandtrock~~

Construction Manager: Tanner Pacific, Inc.

By: Doug Nakano
Doug Nakano

By: Michael K. Jaeger, P.E.
Michael K. Jaeger, P.E.

Title: President

Title: Construction Manager

Date: 3/28/17

Date: 4/5/2017

**FLO-BEAST INSTALLATION PROJECT (CIP #9229)
PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of Flo-Beast Installation Project (CIP #9229) and Authorization to File Notice of Completion.

BACKGROUND

Silicon Valley Clean Water has operated its Grease Receiving Station (GRS) since the late 1980s. GRS receives fats, oils and grease (FOG) from grease haulers who clean grease traps at local restaurants and other food establishments; the material is then injected into the anaerobic digesters, which increases the amount of digester gas produced. The digester gas is used by the cogeneration system to produce electricity and heat for treatment processes.

The GRS is the interface between SVCW and outside haulers to receive the FOG before injection into the digesters. FOG delivered by the grease haulers contains inorganic material such as rags, rocks, silverware, and grit. An existing 4-inch manual bar screen removes some of the inorganic material but does not capture the majority. Also, the material builds up over time, resulting in overflow of the FOG, bypassing the screening step. The inorganic material that builds up over time in the holding tanks causes frequent cleaning and maintenance of the tank and the digesters, and often clogs the transfer pipe. When inorganic debris builds up in the digesters, the only way it can be removed is through a digester cleaning process that costs in excess of \$50,000 per digester. Minimizing the amount of inorganic solids in the digesters is a high priority for lowering operating and maintenance costs.

Staff became aware of a piece of equipment called a “Flo-Beast” that removes debris and contaminants from FOG before the FOG enters the holding tank. In early 2016, staff worked with the Flo-Beast manufacturer to pilot test the equipment and the results of the test proved highly successful. In May 2016, the Commission authorized purchase of a Flo-Beast unit. The lead time for the unit was six months.

In parallel to the equipment manufacturing, construction contract documents were prepared and the project was publicly advertised for bidding. In February 2017, the Commission awarded a construction contract to DWNicholson in the amount of \$96,432.

DISCUSSION

DWNicholson has been working on the installation project since notice to proceed was issued in February 2017. The work is now substantially complete and the new Flo-Beast unit is in operation. During the course of work, there were three contract change orders

for a total of \$7,984. The overall project cost was \$104,416, or approximately 8.3 percent above the original bid amount.

The work by the Contractor on this Project was well executed, including the work of all subcontractors. Substantial completion was achieved on April 20, 2017. A Punch List was issued upon substantial completion which will be completed before final payment and release of retention.

FINANCIAL IMPACT

The Flo-Beast installation is funded from CIP Project #9229 which provides budget for the Food Waste Project in an amount of \$13 million. The purchase price of the Flo-Beast unit is anticipated to be reimbursed by the California Energy Commission (CEC) as part of the CEC grant awarded for Food Waste Study. The grant is in the amount of \$600,000; \$300,000 available to purchase equipment, \$200,000 for design and \$100,000 for digester cleaning. The installation cost is funded by SVCW and will be credited towards the matching funds committed under the CEC grant.

RECOMMENDATION

Move approval to ACCEPT THE FLO-BEAST UNIT INSTALLATION PROJECT (CIP #9229) AND AUTHORIZE FILING NOTICE OF COMPLETION – DWNicholson Corporation

**Silicon Valley Clean Water
Beast Installation Project
CIP No. 9229
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of Beast Unit Installation Project are accepted as Substantially Complete in accordance with Specification Sections 01000-1.4 and as defined herein.

As of April 20, 2017, these portions of the Project are accepted:


1. All work on Best Unit Installation except as noted below:
 - a. All work on the attached Punch List, dated April 20, 2017.

As of the above dates the following responsibilities are agreed to:

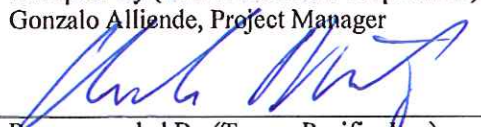
1. Authority:
 - a. The Authority assumes responsibility for security, maintenance (except as noted below), heat, utilities, damage to the Work (except as caused by the Contractor's actions) and insurance for the facilities.
2. D.W. Nicholson Corporation:
 - a. The Contractor shall maintain and provide proof of insurance as required by Specification Section 00800-4.0 for all work required to complete the Punch List and for one (1) year as required by Specification Section 00500-12 or as otherwise referenced in the technical specifications.
 - b. The Contractor shall be responsible for repairs or maintenance, as necessary, until the Contractor has submitted, and the Authority has accepted all Record Documents and Operation & Maintenance Manuals.
 - c. The Contractor shall work in an expeditious manner to complete the remaining work and administrative requirements on the Project including the items on the Punch List, dated April 20, 2017, within sixty (60) days from the date of this certificate.

The one year (365 Calendar Days) warranty for the accepted Work shall commence per Specification Section 00500-12 on the date of Acceptance by Silicon Valley Clean Water.

The undersigned hereby acknowledge agreement to the above provisions:


Accepted By (D.W. Nicholson Corporation):
Gonzalo Alliende, Project Manager

4/20/17
Date


Recommended By (Tanner Pacific, Inc.):
Andrew Matey, P.E., Construction Manager

4/24/17
Date

**MENLO PARK PUMP STATION VALVE REPLACEMENT
(CAPITAL PROJECT #262)
REDWOOD CITY PUMP STATION VALVE REPLACEMENT
(CAPITAL PROJECT #263)
APPROVE INSTALLATION CONTRACT**

ISSUE

Approve Installation Construction Contract for the Valve Replacement Project at Menlo Park and Redwood City Pump Stations.

BACKGROUND

Replacement of the entire SVCW conveyance system, including the pump stations, is a critical and high priority component of the Capital Improvement Program. In April 2017, the SVCW Commission certified the Final Environmental Impact Report for the Wastewater Conveyance System and Treatment Plant Reliability Improvement Project (Project); the Project includes the rehabilitation, repurposing or replacement of the four SVCW pump stations.

According to the current project schedule, the last segment of the conveyance system will be operational in 2024. Therefore, all existing pump stations need to continue to operate up to seven years while the new conveyance system is in construction. SVCW's Maintenance Division performed an assessment of the pump stations to define maintenance work required to keep the pump stations in operation for this time period. They identified that most of the major valves at the pump stations are well beyond their useful lives and that failure of these valves will result in catastrophic impacts and potential spills of untreated wastewater.

The valves need to be replaced during dry weather, when flows are lowest. Staff intends to replace the valves at Menlo Park Pump Station and Redwood City Pump Station during dry weather 2017, followed by valve replacement at the San Carlos Pump Station and the Belmont Pump Station in the dry weather season of 2018.

DISCUSSION

During the pump station assessment, the design team and SVCW staff identified 31 valves, ranging in size from 16-inch to 18-inch, that need to be replaced at the Menlo Park and Redwood City Pump Stations. Additionally, 10 expansion joints need to be replaced. At the January 2017 meeting, the Commission approved purchase of the valves and expansion joints. Staff had recommended the valves be pre-purchased due to the lengthy lead time to manufacture the valves. An additional benefit of pre-

purchasing the valves is cost savings on the contractor markup on material prices. The cost of the valves is \$392 thousand.

The design was completed by the firm of Freyer and Laureta. The construction contract was publicly advertised for bidding on Thursday April 13, 2017 with bids due on April 28, 2017. A mandatory prebid meeting was held on April 20 and only one contractor attended. The contractor that attended was DWNicholson, a contractor well known to SVCW staff and known to do excellent work, particularly construction work similar to this project. The engineer's estimate of probable cost is \$601 thousand. DWNicholson's bid is \$514,000.00.

SVCW staff recommends that the construction contract for the valves be awarded to DWNicholson in the amount of \$514,000.00.

FINANCIAL IMPACT

The total budget for Capital Projects 262 and 263 is \$927,081. Thus far, \$392 thousand has been encumbered from these projects.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS FOR THE PUMP STATION VALVE REPLACEMENT PROJECT (CAPITAL PROJECTS #262 AND #263); AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT – (\$514,000) – DWNicholson Corporation

SVCW
Pump Station Valve Replacement - Project 262/263
Bidders Checklist
April 28, 2017 - 10:30 a.m.

Name of Bidder	Addendum		Bid Proposal		Proposal Guaranty		Bond		Cert. of Bidders Exp. & Qualifications		Design. of Subcontractors		Site Visit Affidavit		Ackw. of Insurance Req's.		Noncollusion Affidavit		Affidavit of Safety Compliance		Total Bid Amt.
	#1	Section	00410	Section	00420	Section	00430	Section	00440	Section	00470	Section	00480	Section	00490						
1 DW Nicholson	X		X		X		X		X		X		X		X		X			\$514,000	
2																					
3																					
4																					

**MASTER SERVICES AGREEMENTS
WEST YOST ASSOCIATES AND TRINITY CONSULTANTS**

ISSUE

Approval of Master Services Agreement with West Yost Associates and Approval of Master Services Agreement with Trinity Consultants.

BACKGROUND

In October 2008, the then SBSA Commission approved a Master Services Agreement (MSA) for Whitley Burchett & Associates (WBA) for services related to professional engineering and management consulting services. WBA has worked in concert with SVCW since 1995, assisting with program and project management services since that time. Currently, WBA staff is providing program and project management assistance on the conveyance system program and SRF funding. Recently, WBA have been acquired by West Yost Associates. West Yost has been providing similar services as WBA within the water and wastewater industry for the past 27 years and is well known to SVCW management and engineering staff as well as throughout the Bay Area. All the staff from WBA were hired by West Yost and the two key individuals who have worked with SVCW from WBA for the past nine years will continue to be available to fulfill their current and future roles.

The firm of Trinity Consultants specializes in air permitting with the Bay Area Air Quality Management District (BAAQMD). Over the past several years, the BAAQMD has been tightening air quality regulatory requirements throughout the bay area, including stringent requirements on wastewater sites. As the complexity of air regulations grow and new SVCW conveyance and treatment facilities come online, it is beneficial to have a strong resource in the air permitting field.

DISCUSSION

SVCW has been using the services of select staff from WBA for the past nine years, specifically in the areas of assisting program and project management and SRF funding tasks. The new firm, West Yost, is retaining all the staff that were previously employed by WBA and is an equally excellent firm. The office manager of the San Francisco office is well known to SVCW and had previously worked on SVCW projects during his tenure with Kennedy/Jenks. Staff is interested in continued use of the individuals who are now West Yost employees and, to this end, is recommending a Master Services Agreement be entered into with West Yost, while terminating the MSA with WBA. While the MSA allows for assignment of the MSA to another firm, the current MSA is nearly a decade old and staff suggests that a new updated MSA is a preferable avenue for the future work with West Yost Associates.

For services related to air permitting, a Master Services Agreement with Trinity Consultants is recommended. The MSA will be specific to air permitting advisory services and, similar to all SVCW MSAs, work will be authorized on a Task Order basis with the scope and budget well defined within the task order.

FINANCIAL IMPACT

There is no direct financial impact associated with the new Master Services Agreements. The current task orders under which WBA was working will be re-assigned to West Yost Associates under the new MSA.

RECOMMENDATION

- i. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR PROFESSIONAL ENGINEERING AND MANAGEMENT CONSULTING SERVICES WITH WEST YOST ASSOCIATES
- ii. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR AIR PERMITTING SERVICES WITH TRINITY CONSULTANTS
- iii. Move adoption of RESOLUTION ASSIGNING CURRENT OPEN TASK ORDERS WITH WHITLEY BURCHETT & ASSOCIATES TO WEST YOST ASSOCIATES

PLANT CONTROL BUILDING OFFICE RECONFIGURATION

ISSUE

Approve Construction Contract for Office Reconfiguration Within the Plant Control Building.

BACKGROUND

The Plant Control Building was designed in 2008 and constructed between 2009 and 2012. Staff moved into the building in late 2012. Since that time, several minor modifications have been made, primarily by SVCW staff and generally comprised of additional cubicle spaces. Major modifications have been delayed pending enough modifications to warrant outside builders/constructors. To this end, two senior engineers/project managers have been without office space for over a year and the Information Services Director is currently without an office. The Engineering Division has been advertising for two additional engineers/project managers and it is expected that these positions will be filled in the coming months.

DISCUSSION

Staff worked to determine the amount of office space needed now and into the foreseeable future. Given how the space is currently configured, it is relatively simple to add three offices.

Plans and specifications were prepared defining the scope of work as:

Install three new offices – work to include relocation of 6 light fixtures and re-wiring switches, relocating HVAC controls, ducts, and grills; install metal framing, drywall, paint, carpet and doors; install five new power and data receptacles.

Quotations were requested from contractors who are currently onsite as well as contractors who have performed work for SVCW in the past. Two firms provided quotes while two firms declined to quote. The lowest quotation is from Rodan Builders at a cost of \$99,586. Rodan Builders have completed building structures for SVCW in the past, including two warehouse additions and work internal to the computer server room. Rodan Builders performs excellent quality work at reasonable rates. Staff recommends authorizing Rodan Builders to install three new offices within the Plant Control Building.

FINANCIAL IMPACTS

This work will be funded from Fund 14 – Revenue Funded Capital. This fund has a current balance of \$1.6 million.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS FOR PLANT CONTROL BUILDING OFFICE RECONFIGURATION, AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE – (\$99,586) – RODAN BUILDERS

**ALTERNATIVE PROJECT DELIVERY REVISION TO ADMINISTRATIVE POLICY
FOR DESIGN-BUILD DELIVERY METHOD**

ISSUE

Approval of Revision B to Administrative Policy No. 2016-01 Establishing a Procedure for Implementing the Design-Build Process for Delivery of Construction Projects

BACKGROUND

In October 2014, the California Legislature adopted Senate Bill 785 authorizing the design-build procurement process in California at the state and local agency levels. SB 785 became effective January 1, 2015. SB 785 authorizes local agencies to use the design-build project delivery method on public works projects exceeding \$1 million. To use design-build, the local agency must adopt a policy to implement the design-build delivery method. The policy must meet certain administrative requirements, including the use of a rigorous statutory selection procedure.

Local agencies wishing to use design-build under SB 785 must follow a process involving contract award based on best value and/or low bid. Best value requires the local agency to take into consideration various factors in addition to price in ranking proposals. At a minimum, the local agency must consider technical design and construction expertise along with project price. Once an award is made utilizing either low bid or best value, the local agency must publicly announce the award and provide a statement regarding the basis of the award.

SVCW legal counsel developed and recommended adopting Administrative Policy No. 2016-01 establishing the procedure for implementing the design-build process for delivery of projects. At their meeting of January 14, 2016, the Commission approved Policy No. 2016-01.

DISCUSSION

At the time the original legislation was passed, there was a restriction on short-listing design-build entities. The Bill allowed only for prequalifying design-build entities, not shortlisting. SVCW Policy No. 2016-01 used the verbiage as in the original Senate Bill; i.e., prequalification. The Legislature recognized that this verbiage led to unintended consequences and, in 2016, updated the language to allow for prequalifying or shortlisting design builders.

During the process to finalize the Requests for Qualifications for the two design build projects recently presented to the Commission (April 2017 meeting), a discussion ensued around the terms “shortlist and prequalify” and the Authority’s ability to shortlist

Design-Build entities. While the Authority's construction legal counsel concluded that, indeed, SVCW could shortlist Design Build firms due to the fact that the Commission can choose to comply or not comply with its own policy, it was further suggested that a change to the policy be made for utmost clarity.

To that end, a recommended change to the policy is to substitute the term "prequalify" with "prequalify or shortlist"

FINANCIAL IMPACT

There is no direct financial impact from adoption of Revision B to Administrative Policy No. 2016-01.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION B TO ADMINISTRATIVE POLICY 2016-01, ESTABLISHING A PROCEDURE IMPLEMENTING THE DESIGN-BUILD PROCESS FOR DELIVERY OF CONSTRUCTION PROJECTS

Approved by the SVCW Commission at Meeting of May 11, 2017 by Resolution SVCW 17-XX

SUBJECT: DESIGN-BUILD PROJECTS**APPLICABLE CODES AND REGULATIONS:**

California Public Contract Code Section 22160 et seq. (Local Agency Design-Build Projects)

PURPOSE:

The purpose of this policy is to establish a procedure for implementing the Design-Build process for delivery of projects in accordance with the provisions of Public Contract Code Division 2, Part 3, Chapter 4 (commencing with Section 22160; the “Act”).¹ As defined in the Act, “Design-Build” means a project delivery process in which both the design and construction of a project are procured from a single entity.

POLICY:

It is the policy of Silicon Valley Clean Water (“SVCW”) to employ the Design-Build method of project delivery in accordance with the Act for any project, the estimated cost of which exceeds one million dollars (\$1,000,000), and for which the Commission determines that the Best Value may so be achieved. As provided in the Act, “Best Value” means a value determined by evaluation of objective criteria that may include, but not be limited to price, features, functions, life-cycle costs, experience, and past performance. The Best Value determination may involve the selection of the lowest cost proposal meeting the interests of SVCW and meeting the objectives of the project, selection of the best proposal for a stipulated sum established by SVCW, or a tradeoff between price and other specified factors.

PROCEDURE:

1. The Manager shall appoint a Design-Build Procurement Team (“Procurement Team”), which may be a standing team or a project-specific team as the Manager shall determine. At least one member of the Procurement Team shall be a Department Head or other high level manager of SVCW who shall be the Chair of the Team. The Procurement Team may be comprised of both in-house personnel and one or more consultants. Persons or entities participating on the Procurement Team shall be subject to the Organizational Conflict of Interest Code hereinafter adopted.
2. The Procurement Team shall be responsible for preparing a set of documents setting forth the scope and estimated price of the design-build project (“Procurement Documents”). The Procurement Documents may include, but need not be limited to, the size, type, and desired design character of the project, performance specifications covering the quality of materials, equipment, workmanship, preliminary plans or building layouts, or any other information deemed necessary to describe adequately SVCW’s needs for the project. The Procurement Documents may allow for use of a Design-Build proposal preparation stipend upon the

¹ Capitalized terms in this Policy have the meanings defined in the Act.

approval of the Manager. The performance specifications and any plans shall be prepared by a design professional who is duly licensed and registered in California.

3. The Procurement Team shall prepare a Request for Qualifications in order to prequalify or shortlist the Design-Build Entities whose proposals shall be evaluated for final selection.
4. The Manager shall submit the Procurement Documents to the Commission for approval concurrently with the Manager's recommendation for issuance of the Request for Qualifications to potential Design-Build Entities.
5. The prequalification or shortlist process shall be administered by the Procurement Team. A Design-Build Entity shall not be prequalified or shortlisted unless the Entity provides an enforceable commitment to SVCW that it and its subcontractors at every tier will use a skilled and trained workforce to perform all work on the project or any project-related contract that falls within an apprenticeable occupation in the building and construction trades in accordance with Subdivision (c) of Public Contract Code Section 22164.
6. The Procurement Team shall prepare a Request for Proposals based on the approved Procurement Documents for a Design-Build project which shall then be issued to all prequalified or shortlisted Design-Build Entities for competitive sealed proposals to build the project substantially in accordance with the Procurement Documents. The Request for Proposals may allow for use of a Design-Build proposal preparation stipend upon the approval of the Manager.
7. Upon receipt of proposals, the Procurement Team shall evaluate and rank them based on a determination of value provided, and tentatively select the proposal that best conforms to the needs of SVCW for the project and whose proposal offers the Best Value to the public. The Manager shall submit the tentatively-selected Best Value proposal to the Commission with a recommendation to award the Design-Build contract for the project to the selected Proposer, who or which shall be determined to be the responsible Design-Build Entity upon award.
8. The award of the Design-Build contract shall be approved by the Commission and publicly announced by the Manager, identifying the successful Design-Build Entity, with a statement regarding the basis of the award.

ORGANIZATIONAL CONFLICT OF INTEREST POLICY: The attached Organizational Conflict of Interest Policy, incorporated herein by reference, shall serve as guidelines regarding the ability of a person or entity that performs services for SVCW related to the solicitation of a Design-Build project to submit a proposal as a Design-Build Entity or to join a Design-Build Team.

RESPONSIBILITY:

MANAGER:

Appoints a Design-Build Procurement Team. Submits the Procurement Documents to the Commission for approval concurrently with a recommendation for issuance of the Request for Qualifications from potential Design-Build Entities. Submits the tentatively-selected Best Value

proposal to the Commission with a recommendation for approval to award the Design-Build contract. Announces award of the contract.

DESIGN-BUILD PROCUREMENT TEAM:

Prepares the Procurement Documents for a Design-Build project. Prepares a Request for Qualifications to prequalify or shortlist Design-Build Entities. Prepares a Request for Proposals to be issued to all prequalified or shortlisted Design-Build Entities. Evaluates and ranks the proposals. Tentatively selects the Best Value proposal for award of the Design-Build contract.

COMMISSION:

Approves Procurement Documents and authorizes issuance of Requests for Qualifications from potential Design-Build Entities. Determines the responsible Design-Build Entity and awards the Design-Build contract.

DRAFT

ATTACHMENT

Organizational Conflict of Interest Policy for Design-Build Projects

PURPOSE

This policy establishes the organizational conflict of interest guidelines applicable to design-build projects procured pursuant to Public Contract Code Section 22160, et seq.

APPLICABILITY

This policy applies to all Consultants and Contractors that have entered into or wish to enter into contracts with SVCW to perform design-build work.

POLICY

Contractors and consultants participating as proposers ("Proposers;") on a design-build project or joining a design-build team may not have an organizational conflict of interest.

Organizational conflicts of interest are created by circumstances arising out of consultants' or contractors' existing or past activities, business or financial interests, familial relationships, contractual relationships, or organizational structure (e.g., parent entities, subsidiaries, affiliates) that result in (i) impairment or potential impairment of consultants' or contractors' ability to render impartial assistance or advice to SVCW or of their objectivity in performing work for SVCW, (ii) an unfair competitive advantage for any bidder or Proposer with respect to SVCW's procurement, or (iii) a perception or appearance of impropriety with respect to any of SVCW's procurements or contracts or perception or appearance of unfair competitive advantage with respect to a procurement by SVCW (irrespective of whether such perception is accurate).

This Policy neither purports to address every situation that may arise in the context of SVCW's procurements and contracts, nor to mandate a particular decision or determination by SVCW. SVCW retains the ultimate and sole discretion to determine, on a case by case basis, whether an organizational conflict of interest exists. An organizational conflict of interest may exist in the following instances:

- a. A Proposer is SVCW's general engineering or architectural consultant for the design-build project, except that a sub-consultant of the general engineering or architectural consultant that has not yet performed work on the contract to provide services for the design-build project may participate as a Proposer or join a design-build team if the Proposer terminates the agreement to provide work and provides no work for SVCW's general engineering or architectural consultant on the design-build project.
- b. A Proposer has assisted or is assisting SVCW in the management of the design-build project, including the preparation of the request for proposals, evaluation criteria, or any other aspect of the procurement.
- c. A Proposer has conducted preliminary design services for the design-build project such as

conceptual layouts, preliminary design, or preparation of bridging documents.

- d. A Proposer performed design work related to the design-build project for other stakeholders in the design-build project.
- e. A Proposer performed design work on a previous contract that specifically excludes the Proposer from participating as a Proposer or joining any design-build team for the design-build project.
- f. A Proposer is under contract with any other entity or stakeholder to perform oversight of the design-build project.
- g. Any circumstances that would violate California Government Code Section 1090, et seq. (Contractual Conflicts).

SVCW may be required to comply with requirements and regulations applicable to federally funded procurements and contracts. Nothing in this Policy is intended to limit, modify or otherwise alter the effect of other relevant federal, state, or local regulations, statutes or rules.

Consultants responsible for preparing documents under the California Environmental Quality Act ("CEQA") are required to comply with all state laws and regulations applicable to such services, including requirements relating to organizational conflicts of interest. For federally funded projects subject to NEPA compliance, Consultants involved in the preparation of an Environmental Impact Statement (EIS) must disclose whether or not they have a financial or other interest in the outcome of the project. A Consultant involved in the preparation of an EIS may propose on work connected with the project only after the EIS is completed. (See 40 CFR 1506.5(c).)

Proposers' Obligations

Proposers having a conflict must immediately make a full written disclosure of the conflict to the SVCW Manager and shall have a continuing obligation to do so until they are no longer Proposers.

If a Proposer determines that a potential conflict of interest exists, the Proposer's disclosure will not necessarily disqualify the Proposer from being awarded a contract. The Proposer shall submit proposed measures to avoid, neutralize, or mitigate all potential or actual conflicts. SVCW, at its sole discretion, shall determine whether an organizational conflict of interest exists and whether the proposed measures are sufficient to overcome the conflict or potential conflict and whether the Proposer may continue with the procurement process.

Obligations after Contract Award

The successful Proposer to whom the contract is awarded ("Contractor") has an ongoing obligation to monitor and disclose conflicts or potential conflicts of interest. SVCW has the right to ongoing enforcement of this policy. If an organizational conflict of interest is discovered after the contract has been awarded, the Contractor must make an immediate and full written disclosure to SVCW that includes a description of the action that the Contractor has taken or proposes to take to avoid or mitigate the conflict. If an organizational conflict of interest is determined to exist and the Contractor was aware of the organizational conflict of interest prior to

award of the contract and did not disclose the conflict, SVCW may terminate the contract. If a conflict of interest arises after the contract award and the Contractor's proposed measures to avoid or mitigate the conflict are determined by SVCW to be inadequate to protect SVCW, SVCW may terminate the contract. If the contract is terminated, SVCW assumes no obligation, responsibility or liability to reimburse all or part of the costs incurred or alleged to have been incurred by the Contractor, and SVCW shall be entitled to pursue any and all appropriate legal remedies.

Incorporation by Reference

This policy shall be incorporated by reference into all design-build contracts executed by SVCW.

DRAFT

**ADMINISTRATIVE POLICY 1989-03
“TEMPORARY UPGRADE PAY”, REV. A**

ISSUE

Adopt and Approve Revision “A” of Administrative Policy 1989-03 “Temporary Upgrade Pay”.

BACKGROUND

Administrative Policy 1989-03 was established in order to address the temporary need to assign an employee to a position where the compensation was greater than the employees’ regular rate of pay, also known as “Out of Class” assignments, and temporarily increase the compensation related to the assignment. The assignment must be for 5 or more working days in order to qualify for a temporary upgrade in pay.

DISCUSSION

The CalPERS audit, completed in 2015, noted that SVCW has been reporting the temporary rate of pay when an employee was filling in for a leave of absence as CalPERS taxable income. The only time the rate of pay can be considered CalPERS taxable is when the employee is filling a “vacancy” for an interim period of time. A temporary assignment due to items such as coverage for a vacationing employee, someone out on Worker’s Compensation or other long-term leave is not eligible to be CalPERS taxable or calculated in retirement benefits. Only the difference between the employee’s regular rate of pay and the higher rate of pay is reportable as “Special Compensation” and is CalPERS taxable.

The original 1989 policy does not delineate the differences in the type of temporary assignments or the type of CalPERS status for employees. This is special compensation only for CalPERS Classic members and is not eligible compensation for employees covered by PEPRA (Public Employees’ Pension Reform Act). The proposed revision to Administrative Policy 1989-03 corrects these required issues.

FINANCIAL IMPACT

There is no identifiable significant financial impact as the use of “temporary upgrade pay” is very infrequent.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION A TO ADMINISTRATIVE POLICY 1989-03 “TEMPORARY UPGRADE PAY”

Rev: A

Rev. Date: 05/11/2017

Issue Date: June 27, 1989

Approved by the SVCW Commission at Meeting of May 11, 2017 by Resolution SVCW 17-XX

SUBJECT: TEMPORARY UPGRADE PAY

PURPOSE:

The purpose of this policy is to establish the criteria for determining the higher salary of an employee who is temporarily working out of his/her classification.

POLICY:

An employee temporarily assigned to perform work in a higher classification for 5 or more working days shall be paid from the salary range of the higher classification for the time worked in the higher classification. The employee will be compensated at the first step or bottom of the salary range of the higher classification or any subsequent step or range that results in a rate of pay no less than 5% higher than the rate of pay at the employee's regular classification.

If the temporary assignment is for the purpose of covering a leave of absence or for training purposes the regular pay rate of the employee will remain unchanged during the temporary assignment and the difference between the employee's regular pay rate and the pay rate of the temporary assignment will be added to their pay check as "other" pay. This additional pay will **not** be CalPERS taxable (taxes assessed for retirement purposes).

If the assignment is for the purpose of filling a vacancy, the difference between the employee's regular pay rate and the pay rate of the temporary assignment will be classified as "Special Compensation" and given the appropriate timecode and will be reported as CalPERS taxable.

This "Special Compensation" is only available to Classic CalPERS employees and not to employees subject to PEPPRA (Public Employees' Pension Reform Act) for whom the additional pay will not be reported as CalPERS taxable.

PROCEDURE:

When an employee is temporarily assigned to work in a higher classification, and the department manager determines that the assignment will be longer than 5 days, the department manager will complete a Personnel Action Form (PAF) to initiate the temporary assignment and corresponding special compensation. The PAF should indicate that the employee's regular pay rate remains unchanged, and that the additional pay will be added to the employee's check as "other" pay and will not be CalPERS taxable.

If the assignment is for the purposes of filling a vacancy the PAF needs to indicate that the employee's regular pay rate remains unchanged and the additional pay will be PERS taxable. If the employee is a PEPPRA employee note on the PAF that the additional pay will not be CalPERS taxable. At the conclusion of the temporary assignment the department manager will initiate a PAF to terminate the temporary assignment in both of the instances described above.

**ADMINISTRATIVE POLICY 2017-02
INTERGOVERNMENTAL COOPERATIVE PROCUREMENT**

ISSUE

Adopt and Approve Administrative Policy 2017-02 “Procurement Through Cooperative Purchasing and Piggyback Contracting”.

BACKGROUND

SVCW accomplishes procurement of supplies, materials and equipment through a competitive bidding process, either formal or informal. The law permits an exception to competitive bidding which allows SVCW to procure supplies, materials and equipment without observing the bidding process through the use of cooperative purchasing programs in order to obtain lower prices, lower administrative costs, increased competition and more favorable terms and conditions. The purchase price is established through competitive bidding by another public agency whose procedures have been determined to be in substantial compliance with the procurement procedures applicable to SVCW. SVCW then contracts directly with vendors that have been awarded contracts by another public agency or governmental cooperative, joins with other public jurisdictions in cooperative purchasing agreements or purchases directly from the United States, any state, municipality or other public corporation, or agency.

DISCUSSION

Cooperative procurement is a tool that allows one public agency to utilize another public agencies’ competitively awarded contracts for the same products without further contracting, solicitation or formal bidding, provided the process otherwise complies with state law. This well-established practice results in better pricing as well as expedites the time-consuming procurement process, thereby reducing the administrative costs associated with competitive bids for government agencies. Cooperative procurement allows public agencies to leverage the benefits of volume purchases, delivery and supply chain advantages, best practices, and reduce administrative time and expenses.

Cooperative purchasing involves sharing procurement contracts between two or more government entities whereby an organization brings together one or more public agencies to represent their requirements and then manages the resulting contract or contractor, as long as one of the participating entities formally solicit bids in accordance with government contracting procedures. Cooperative purchasing may also result in contracts that other entities may “piggyback” off of a bid solicited by another public agency. Piggyback is a form of intergovernmental cooperative purchasing in which one or more public entities solicit their requirements and include an option for other entities to access the same pricing and terms of the competitively awarded contract. For

example, the State of California specifically administers contracts that are competitively bid for use by local governmental agencies.

Staff has found that there are often competitive bidding processes for materials, supplies and equipment that SVCW is in need of that have been conducted by state and local governments or by out-of-state or federal purchasing cooperatives. Accordingly, staff has developed a policy that allows SVCW to procure supplies, materials and equipment in accordance with, and consistent with the law, which is submitted along with this staff report.

FINANCIAL IMPACT

There is no immediate financial impact.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING AND ADOPTING ADMINISTRATIVE POLICY 2017-02 "PROCUREMENT THROUGH COOPERATIVE PURCHASING AND PIGGYBACK CONTRACTING"

Rev: Issue**Rev Date: 05/11/2017****Issue Date: 05/11/17**

Approved by SVCW Commission at Meeting of May 11, 2017 by Resolution SVCW 17-XX

SUBJECT: PROCUREMENT THROUGH COOPERATIVE PURCHASING AND PIGGYBACK CONTRACTING

PURPOSE:

The purpose of this policy is to authorize the purchase of materials, equipment and supplies through cooperative purchasing agreements with other public agencies without competitive bidding, so long as the materials, equipment and supplies were originally let in accordance with the substantially equivalent bidding process prescribed by State law. Cooperative purchasing allows Silicon Valley Clean Water (SVCW) to benefit from pre-vetted industry partners and obtain the benefits of volume pricing and reduction in administrative costs, or both. Also known as “intergovernmental procurement agreements” and “piggybacking”, this practice is advantageous to SVCW because it avoids the time-consuming competitive procurement process, delivers cost savings and reduces the administrative costs associated with competitive bids for government agencies.

POLICY:

Where the SVCW Commission or the SVCW Manager or the SVCW Manager’s authorized designee (as applicable, based upon SVCW’s established purchasing dollar thresholds and signing authority) determines it is in the best interest of SVCW in furtherance of the purpose and objectives of this Policy, competitive bidding procedures for the purchase of materials, equipment and supplies need not be followed where:

- (1) A competitive bidding procedure is identified, prepared by and processed through another local, state, federal governmental, public agency, or a cooperative purchasing entity set up by or utilized by such governments or public agencies; and
- (2) The procurement process utilized by another local, state, federal governmental, public agency, or a cooperative purchasing entity set up by or utilized by such governments or public agencies must comply with the legal requirements applicable to said agencies or entities and be substantially equivalent to the competitive bidding processes applicable to SVCW under the law; and,
- (3) The estimated price of the purchase is equal to or lower than the estimated price for such purchase if made directly by SVCW pursuant to the competitive bidding requirements applicable to SVCW under the law.

PROCEDURE:

Under the circumstances set forth by this Policy, the SVCW Commission or the SVCW Manager or the SVCW Manager’s authorized designee (as applicable, based upon SVCW’s established purchasing dollar thresholds and signing authority) may enter into or join into an existing written purchase contract obtained through a competitive bidding process prepared and awarded by another local, state, federal

governmental agency, public agency, or a cooperative purchasing entity. The purchase of materials, equipment and supplies under this Policy includes purchases made through the Department of General Services of the State as authorized by Government Code Section 54205.

DRAFT

**ADMINISTRATIVE POLICY 1987-03
EMPLOYEE TOOL AND EQUIPMENT PURCHASES, REV. C**

ISSUE

Adopt and Approve Revision “C” of Administrative Policy 1987-03 “Employee Tool and Equipment Purchases.”

BACKGROUND

Administrative Policy 1987-03 was established to assist employees in obtaining needed tools to accomplish their work and to provide financial assistance for the purchase of personal computers to enhance their access to the internet and other computer related needs.

DISCUSSION

Administrative Policy 1987-03 was originally approved by the SVCW (at the time SBSA) Commission to assist employees working in classifications that require special tools for their work in obtaining those tools without a significant financial impact to the employee. It was also used to help employees cover the cost of computers that are used for personal use so they would become more familiar with the daily use of computers.

The program has been very successful and is used routinely by multiple employees each year. This revision solely clarifies the procedure and strengthens the definitions of acceptable use of the policy.

FINANCIAL IMPACT

There is minimal financial impact as the program provides an interest free loan to SVCW employees with a limit of \$3,000 to be use for acquiring tools or computer equipment. The loan is paid back over a two year period via payroll deduction.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION “C” TO ADMINISTRATIVE POLICY 1987-03 “EMPLOYEE TOOL AND EQUIPMENT PURCHASES”

Approved by SVCW Commission at Meeting of May 11, 2017 by Resolution SVCW 17-XX

SUBJECT: EMPLOYEE TOOL AND EQUIPMENT PURCHASES

PURPOSE:

The purpose of this policy is to establish the procedures whereby SVCW will loan SVCW employees the monies to purchase tools and equipment (i.e. computers and related items) and further to provide for the terms of repayment by the employee.

POLICY:

SVCW will advance to SVCW employees funds to purchase tools and equipment that are necessary for, or will enhance the performance of, the employees' work. This offer will be extended to any employee with over one (1) year of continuous service to SVCW, at the specific request of the employee. **The only exception to the requirement for one (1) year of employment at SVCW, (requires the direct approval of the SVCW Manager) is for new SVCW employees to purchase tools required for the position the employee is assigned. At no time will a loan be approved for an employee with less than sixty (60) days of satisfactory employment at SVCW.**

A list of tools or equipment needed to fulfill the employee's job shall be developed and approved by the Department Manager. The employee shall compile a quote for the needed tools, fill out and sign a "Tool and Equipment Purchase Request" form and submit it to the Department Manager. When the cost of the tools is verified, a Tool and Equipment Purchase Agreement (the Agreement) will be executed. The Agreement will specify the amount of the loan, the terms of re-payment and the ownership of the tools or equipment.

The maximum amount available for any employee's collective tool and/or equipment purchase is \$3,000, except for a loan used by a new employee to purchase tools required for the employee's position. Such new employee tool loans shall be limited to a maximum of \$1,500. The total amount collectively available to an employee at any time shall not exceed \$3,000.

The maximum repayment period is two (2) years. The minimum payment is Twenty-Five Dollars (\$25) per pay period, per loan, if more than one loan should exist. Employees may use the loan program for the purchase of tools and/or equipment no more than once every two years. There must be no balance due on any previous loan prior to initiation of a new loan. **The only exception is for an employee, who has an outstanding loan balance, and is hired to a new position that requires the purchase of tools. In this situation, the employee may be approved, by the SVCW Manager, for a second loan to purchase the tools required for performance of work in the new position. The new tool loan shall not exceed \$1,500, and at no time shall the total loan amount to an employee exceed a combined total of \$3,000.**

The attached Purchase Agreement is part of this policy.

PROCEDURE:

The Authority will provide a no interest employee loan, to purchase approved tools and/or equipment for employees, in accordance with the terms and conditions of this policy. The employee must present a list of tools and equipment and a paid receipt or written price quotation for those tools and/or equipment to the Department Manager for approval. After determining the repayment terms and signing a Tool and Equipment Purchase Agreement, a check will be issued to the employee on the next succeeding Accounts Payable cycle. When a check is issued based on a written price quotation, a paid receipt, in an amount equal to or greater than the approved amount, must be presented to Accounting within **three (3) weeks of the date of the check**. Failure to provide the paid receipt within three (3) weeks will result in the immediate cancellation of the loan and the employee must return all funds to Accounting within two business days of receiving the written notice of cancellation. **Failure to provide either the paid receipt or return of all funds within two business days as outlined in this policy will result in immediate disciplinary action, up to and including immediate termination of employment.**

RESPONSIBILITY:

EMPLOYEE:

To get approval from his or her Department Manager for the tools or equipment needed the employee must:

- Attach to the “Tool and Equipment Purchase Request” form a copy of a paid receipt or a written price quote for tools from the approved list.
- Sign a Tool and Equipment Purchase Agreement.
- Provide a copy of the paid receipt equal to the amount borrowed within three (3) weeks of issuance of check or return all funds borrowed as outlined in the policy.
- Return all funds within two (2) business days of demand if failed to provide a paid receipt within three (3) weeks of check issuance.
- Pay off the full balance of the loan through payroll deduction as agreed in the “Tool and Equipment Purchase Agreement”.
- Pay off any remaining loan balance immediately through personal funds if employment should terminate prior to completion of the loan term.

DEPARTMENT MANAGER:

- Will determine at the request of the employee, that the tools or equipment are necessary for, or will enhance, the performance of the employee's work.
- Approve and authorize the purchase of such tools or equipment.
- Submit approved requests to Accounting.
- Initiate disciplinary action if the employee fails to provide a copy of paid receipt for the proper amount or to return the full amount of the loan within two business days of being notified to do so.

ACCOUNTING:

- Prepare the Tool and Equipment Purchase Agreement for signature by employee.

- Process the check request and provide a check to the employee.
- Insure that a paid receipt for the proper amount is received within three (3) weeks of issuance of the check to the employee.
- Issue a notice of the requirement to return the full amount of the loan within two business days if the employee fails to provide a paid receipt for the proper amount within three (3) weeks.
- Enter the loan payment amount into employee's Deduction Screen
- Monitor the loan and remove the deduction when repayment is complete.
- Sign off on Agreement once final payment is made. The original copy of the Agreement goes back to employee and a copy is given to Human Resources for filing in the employee's personnel file.
- Initiate appropriate actions if employee's employment terminates before loan is fully paid.

DRAFT

**SILICON VALLEY CLEAN WATER
TOOL AND EQUIPMENT PURCHASE REQUEST**

Name: _____

Date: _____

Social Security (Last 4 Digits): _____

Description of Tools or Equipment:

<u>Item</u>	<u>Amount</u>

I certify that the above request is in accordance with the terms and conditions of Silicon Valley Clean Water Administrative Policy No. 1987-03, Employee Tool and Equipment Purchases.

Employee: _____

Date: _____

I approve and authorize the purchase of the above listed tools or equipment.

Department Manager: _____

Date: _____

**SILICON VALLEY CLEAN WATER
TOOL AND EQUIPMENT PURCHASE AGREEMENT**

I, _____, promise to pay the Silicon Valley Clean Water (SVCW) at 1400 Radio Road, Redwood City, CA 94065 the sum of \$ _____, payable without interest, for the purchase of tools or equipment detailed on the attached list.

I authorize the Silicon Valley Clean Water to deduct \$ _____ from my regular paycheck for pay periods commencing Select Month _____, 20____. The final payment of \$ _____ will be withheld from my check of Select Month _____, 20____.

I authorize the Silicon Valley Clean Water to apply any and all salary benefits available to me after mandatory deductions, at termination of my employment, for whatever reason, to the outstanding balance hereof. After application of all salary and benefits, less mandatory deductions, any balance remaining shall be immediately due and payable. If action is instituted on this agreement, I promise to pay such sum as the Court may affix as attorney's fees.

I agree that the funds advanced shall be used for the purchase of tools and equipment in accordance with SVCW Administrative Policy No. 1987-03, Employee Tool and Equipment Purchase, and for no other purpose. Receipt of a copy of such policy is hereby acknowledged. Receipts for all tools and equipment purchased are attached and total the sum borrowed.

Silicon Valley Clean Water

Employee:

Signature: _____

Signature: _____

Title: _____

Classification: _____

Date: _____

Date: _____

SVCW acknowledges receipt of the final payment on this Tool and Equipment Purchase Agreement and relinquishes any and all claims to ownership.

Signature: _____

Date: _____

Copies: Original to Employee's 17-20

- 1 Copy to Employee
- 1 Copy to Accounting

**AGREEMENTS FOR GRANT FUNDING THROUGH
THE CALIFORNIA ENERGY COMMISSION****ISSUE**

Approval to negotiate and execute agreements with the California Energy Commission, Stanford University, and contributing entities on the recent California Energy Commission grant award, “Advancing Water and Energy Efficient Strategies and Technologies”.

BACKGROUND

On January 14, 2016, the Commission approved up to \$500,000 from its CIP project #9232, Long Term Strategic Recycled Water Planning, for a matching funds contribution to allow SVCW to pursue the grant entitled “Advancing Water and Energy Efficient Strategies and Technologies” offered by the California Energy Commission (CEC). The maximum grant award is \$2 million. On July 19, 2016, the proposal submitted by SVCW in collaboration with Stanford University, “Maximizing Water and Energy from New Anaerobic Wastewater Treatment Technology” achieved the highest ranking out of a field of eight applicants and SVCW was offered the \$2 million maximum award. In addition to the \$2 million grant award, there are cash contributions from Stanford in the amount of \$400 thousand as well as in-kind technology/equipment and engineering contributions provided by GE Power Water & Process Technologies, Santa Clara Valley Water District, and LG NanoH₂O. With the cash contributions and in-kind equipment and services, the total budget available for the project is \$3,220,000. This represents an increase to SVCW’s contribution of greater than 6:1.

DISCUSSION

SVCW has been striving over the past nine years to reach higher energy efficiencies for projects built within the Capital Improvement Program. With the focus towards energy efficiency, especially in light of future stricter treatment standards, staff is constantly looking for improved technologies and better operational parameters to reduce SVCW’s energy consumption. Additionally, staff knows that nutrient removal treatment strategies to address upcoming effluent restrictions by the San Francisco Regional Water Quality Control Board will be needed and, therefore, is keeping apprised of technologies available to meet future requirements. By collaborating with Stanford University and Re-Inventing the Nation’s Urban Water Infrastructure (ReNUWIt), a National Science Foundation multi-university academic research collaborative, SVCW will evaluate a technology that may treat wastewater to recycled water levels, with much less energy than SVCW currently requires.

Through March 2021, the proposed agreements with the California Energy Commission and the collaborators listed above will examine this technology as well as other

complementary technologies through demonstration to achieve regulatory requirements for effluent discharge, nonpotable reuse, and water that can meet potable reuse. By partnering with these entities, SVCW will be able to examine firsthand and take advantage of key research that is being developed to increase water reliability and reduce energy demands.

Through this grant, SVCW would build a pilot facility that treats primary effluent in an anaerobic MBR process. The process is called Staged Anaerobic Fluidized-Bed Membrane Bioreactor (SAF-MBR). In facilities located in other parts of the world, this new technology has shown promise in its ability to treat wastewater to recycled water quality with significantly less energy than conventional processes. If the technology proves itself suitable at SVCW, it could replace our current secondary process train (fixed film reactors, aeration basins, and secondary clarification) as well as the tertiary filters used to produce recycled water. The energy savings that could be realized would be enormous when compared with today's treatment train. For purposes of nutrient removal, SVCW has proposed that a second technology be pilot tested along with the SAF-MBR technology. This second technology is also a membrane bioreactor (MBR) process, although it performs treatment in an aerobic environment. The two technologies are anticipated to complement each other if run in a series mode.

Since the grant was awarded by the CEC, numerous discussions have occurred to develop a framework for the contractual agreements that will be involved in the development of this project. If authorized, SVCW will enter into an agreement with the CEC as the recipient of the grant money, and will contract with Stanford and Kennedy/Jenks to be funded through the grant. Agreements will also be entered into for contributions provided by GE, SCVWD, and LGNano for equipment and in-kind services in return for their participation in the study.

FINANCIAL IMPACT

On January 14, 2016, the Commission approved expenditures of up to \$500,000 for use as cash in hand for matching funds in the grant application. Funds for the cash in hand match would come from CIP #9232, Long Term Strategic Recycled Water Planning. This project has a budget of \$1,000,000.

RECOMMENDATION

Move adoption of RESOLUTION AUTHORIZING MANAGER TO NEGOTIATE AND EXECUTE AGREEMENTS WITH THE CALIFORNIA ENERGY COMMISSION, STANFORD UNIVERSITY, KENNEDY JENKS, AND RELATED CONTRIBUTORS FOR DESIGN, IMPLEMENTATION, CONSTRUCTION, OPERATION AND MAINTENANCE OF THE SAF-MBR TECHNOLOGY PILOT PLANT

OWNER CONTROLLED INSURANCE PROGRAM

ISSUE

Approval of Owner Controlled Insurance Program for Silicon Valley Clean Water's Progressive Design Build Projects and Agreement with Wells Fargo Insurance Services, Inc. for administration of SVCW's Owner Controlled Insurance Program.

BACKGROUND

The two large Progressive Design Build projects being initiated by SVCW each will require the use of a contractor and many subcontractors for their construction. A significant cost to contractors, and ultimately to SVCW, is insurance. One option to control the cost of insurance and secure the best, most competitive coverage and pricing is for SVCW to purchase coverage for these two projects through an Owner Controlled Insurance Program (OCIP).

An OCIP is a centrally procured and managed insurance and risk control program for a single construction project or a series of construction projects. An OCIP has the potential to secure an insurance product with higher limits and broader scope of coverage compared to traditional insurance programs where individual contractors and subcontractors maintain insurance policies oftentimes having lower limits, a narrower scope of coverage, and passing the risk of loss to the project owner.

The main benefit realized by SVCW under an OCIP is ease of administration by staff; very little staff time would need to be dedicated to oversight of multiple contractors and subcontractors insurance coverages. Also, an OCIP ensures there are no gaps in coverage for any of the projects as well as between different tiers of contractors. A major benefit of an OCIP is a 10-year "tail" after the projects are complete, during which the agency has coverage should a negative occurrence happen that may not otherwise be covered by a contractor's insurance provider.

California Government Code Section 4420 authorizes local agencies to implement OCIP for projects that exceed \$50 million as long as certain conditions are met. SVCW must show that the use of an OCIP will minimize the expenditure of public funds on the project in conjunction with the exercise of appropriate risk management. Moreover, potential bidders must meet certain safety requirements and the bid documents must inform the potential bidders that an OCIP has been procured and that minimum safety requirements must be met.

DISCUSSION

In anticipation of the two large progressive design build projects, staff contacted insurance brokers in regards to an Owner Controlled Insurance Program. The two firms contacted are Alliant Construction Services Group and Wells Fargo Insurance Services. Both firms are industry leaders in Owner Controlled Insurance Programs for municipal clients and both are highly familiar with design build procedures for project delivery. Both firms concurred that the two projects were excellent candidates for an OCIP.

Since March, staff has been in discussion with both firms as to recommended coverages and limits of coverage. Staff recommends entering into an agreement with Wells Fargo Insurance Services based on the thoughtfulness of their proposal, specific tunneling project experience, and slightly lower costs.

After evaluation of available coverages, staff determined it is in the best interest of SVCW to consider acquiring the following insurance through OCIP:

- General Liability Coverage – third party injury or property damage with 10-year completed operations extension.
- Excess Liability – follows general liability coverage (likely up to \$100 million coverage)
- Builders Risk – coverage for property and work under construction
- Contractor's Pollution Liability – covering onsite cleanups and offsite, if related. Also covers third party claims. Includes a 10-year completed operations coverage.
- Owner's Protective Professional Liability – coverage applies in excess of designer/builders existing errors and omissions in design insurance.
- Worker's Compensation Coverage – statutory benefits

The administration fees for Wells Fargo Insurance Services are as follows:

Consulting Fee for Design-Build Contract Language for Insurance	\$50,000
Placement and Management of OCIP GL and Excess Liability	\$325,000
Placement and Management of Builders Risk	\$10% Commission paid by carrier
Placement and Management of Pollution Liability	\$10% Commission paid by carrier
Placement and Management of Owners Protective Professional Indemnity	\$10% Commission paid by carrier
Placement and Management of Workers Compensation	\$200,000

FINANCIAL IMPACT

Total OCIP program costs will be known when Wells Fargo Insurance Services obtains quotations from insurance carriers. Inclusive of program costs and claims, OCIP expenditures are estimated at \$3.4 million to \$6.8 million (2% to 4% of the two projects' \$170 million in construction value). Wells Fargo administration fees are shown in the table above. The 2015 CIP Update includes Project #9159, OCIP Funding, and has an allocated cost of \$6,217,403. To date, \$218,870 has been expended.

RECOMMENDATION

Move adoption of RESOLUTION CERTIFYING DETERMINATIONS IN SUPPORT OF AN OWNER CONTROLLED INSURANCE PROGRAM (OCIP) FOR THE SILICON VALLEY CLEAN WATER GRAVITY PIPELINE AND FRONT OF THE PLANT CAPITAL IMPROVEMENT PROGRAM PROJECTS AND APPROVING AN AGREEMENT WITH WELLS FARGO INSURANCE SERVICES, INC. AS ADMINISTRATOR OF THE OCIP FOR THE PROGRAM (UP TO \$575,000) – WELLS FARGO INSURANCE SERVICES, INC.