

**COMMISSION OF SILICON VALLEY CLEAN WATER
JOINT POWERS AUTHORITY
REGULAR MEETING – Thursday, February 9, 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, PE, 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 December 31, 2016
 - 2. Finance Status Update Report / Discussion
- D. Engineering Projects Status Update January 2017
- E. Commission Requested Staff-Level Action Items
- F. Conveyance System Program Update Presentation / Discussion

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

8. BUSINESS ITEMS

- A. CONSIDERATION OF RESOLUTION APPROVING CONTRACT DOCUMENTS FOR FLO-BEAST INSTALLATION PROJECT (CIP #9229)

Proposed Action: Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS FOR FLO-BEAST INSTALLATION CONTRACT - CIP #9229; AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT – (\$96,432) – D.W. Nicholson Corporation

9. CLOSED SESSION

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

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

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

- B. 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

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 – January 12, 2017

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED DECEMBER 31, 2016 AND NECESSARY PAYMENTS THROUGH JANUARY 31, 2017

C. CONSIDERATION OF MOTION ACCEPTING THE SOLIDS PROCESS AUTOMATION FINAL PROJECT (CIP #8007, 8018, 8021) AND FILE NOTICE OF COMPLETION

Proposed Action: Move approval to ACCEPT SOLIDS PROCESS AUTOMATION PROJECT (CIP #8007, 8018, 8021) AND AUTHORIZE FILING OF NOTICE OF COMPLETION – Monterey Mechanical Company

D. CONSIDERATION OF RESOLUTIONS AND MOTIONS APPROVING MASTER SERVICES AGREEMENTS AND TASK ORDERS FOR FINANCIAL ADMINISTRATIVE ASSISTANCE ASSOCIATED WITH THE WATER INFRASTRUCTURE FINANCE AND INNOVATION ACT (WIFIA) LOAN PROGRAM AND OTHER GOVERNMENTAL FINANCE OPPORTUNITIES

Proposed Actions:

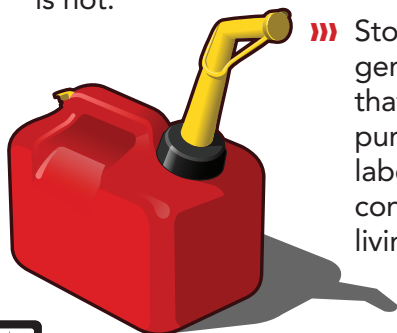
- i. Move approval of TASK ORDER SCOPE NO. 2017-01 AND BUDGET FOR WIFIA ADMINISTRATIVE SUPPORT (CIP #9158) IN AN AMOUNT NOT TO EXCEED \$106,600 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – Fieldman, Rolapp & Associates
- ii. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR PUBLIC RELATIONS CONSULTING SERVICES - Ginger Bryant & Associates
- iii. Move approval of TASK ORDER SCOPE NO. 2017-01 AND BUDGET FOR WIFIA PUBLIC RELATIONS SUPPORT (CIP #9158) IN AN AMOUNT NOT TO EXCEED \$144,200 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – Ginger Bryant & Associates

- iv. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT for INTERGOVERNMENTAL CONSULTING SERVICES - Ferguson Group, LLC
- v. Move approval of TASK ORDER NO. 2017-01 SCOPE AND BUDGET FOR WIFIA INTERGOVERNMENTAL CONSULTING SUPPORT (CIP #9158) IN AN AMOUNT NOT TO EXCEED \$126,000 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS –Ferguson Group, LLC



Downed utility lines, power company blackouts, heavy snow falls or summer storms can all lead to power outages. Many people turn to a portable generator for a temporary solution without knowing the risks.

- » Generators should be used in well ventilated locations outside away from all doors, windows and vent openings.
- » Never use a generator in an attached garage, even with the door open.
- » Place generators so that exhaust fumes can't enter the home through windows, doors or other openings in the building.
- » Make sure to install carbon monoxide (CO) alarms in your home. Follow manufacturer's instructions for correct placement and mounting height.
- » Turn off generators and let them cool down before refueling. Never refuel a generator while it is hot.



- » Store fuel for the generator in a container that is intended for the purpose and is correctly labeled as such. Store the containers outside of living areas.

Just Remember...

When plugging in appliances, make sure they are plugged directly into the generator or a heavy duty outdoor-rated extension cord. The cords should be checked for cuts, tears and that the plug has all three prongs, especially a grounding pin.

If you must connect the generator to the house wiring to power appliances, have a qualified electrician install a properly rated transfer switch in accordance with the National Electrical Code® (NEC) and all applicable state and local electrical codes.

FACT

- ! CO deaths associated with generators have spiked in recent years as generator sales have risen.



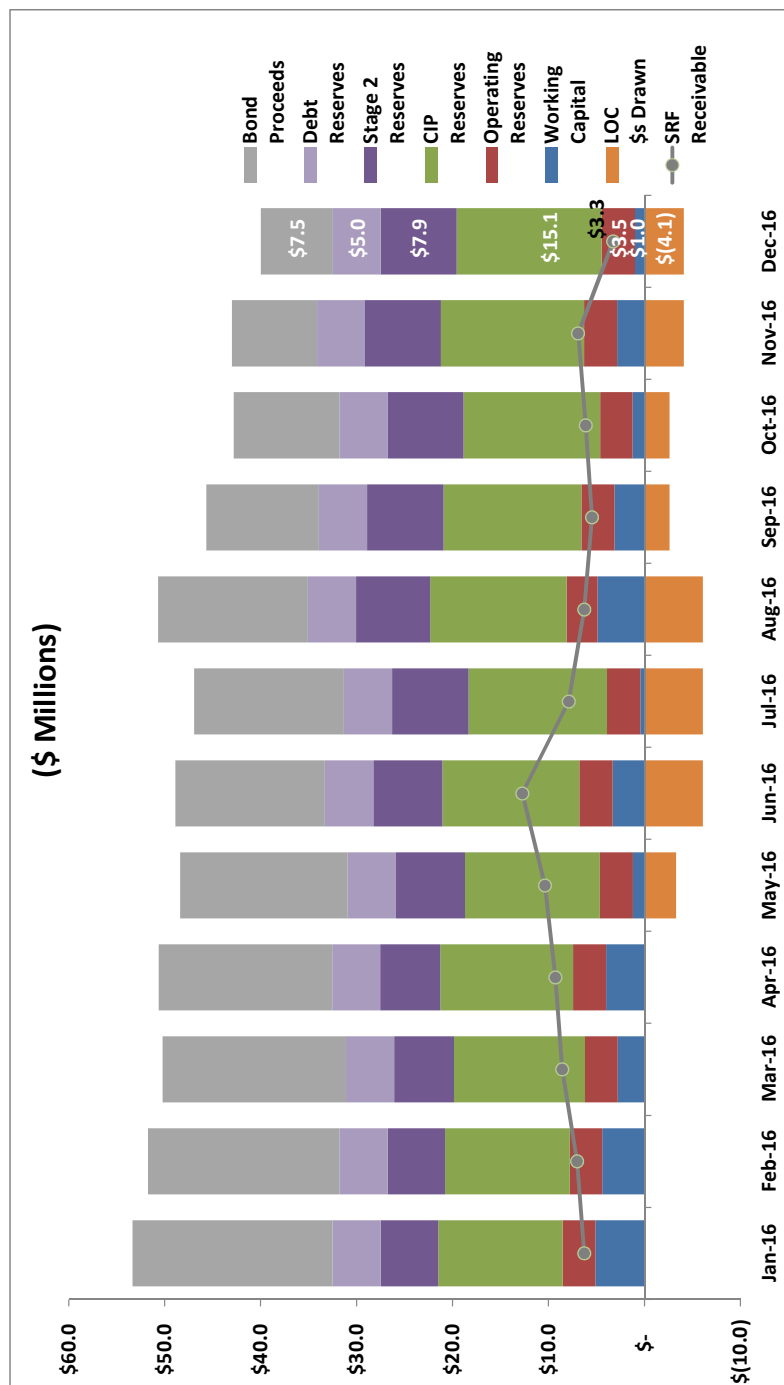
Your Source for SAFETY Information

NFPA Public Education Division • 1 Batterymarch Park, Quincy, MA 02169

SVCW INVESTMENT LISTING

SVCW Trailing 12 Months Cash Balance - December 31, 2016

Period Ending	Working Capital	Operating Reserves	CIP Reserves	Stage 2 Reserves	Debt Reserves	Bond Proceeds	Cash & Securities	SRF Receivable	LOC \$s Drawn	Net Funds Available
Jan-16	\$ 5,127,848	\$ 3,383,128	\$ 12,993,788	\$ 5,981,490	\$ 5,006,246	\$ 20,872,185	\$ 53,364,685	\$ 6,268,110	\$ -	\$ 59,632,795
Feb-16	4,399,045	3,387,784	13,002,861	5,987,128	5,006,250	19,960,391	51,743,459	7,015,554	-	58,759,013
Mar-16	2,778,510	3,434,561	13,625,771	6,258,533	5,006,255	19,100,794	50,204,424	8,578,480	-	58,782,904
Apr-16	3,983,269	3,448,995	13,834,514	6,259,131	5,006,261	18,090,084	50,622,254	9,290,696	-	59,912,951
May-16	1,192,175	3,466,331	14,042,310	7,198,049	5,011,011	17,490,349	48,400,225	10,373,832	(3,300,000)	55,474,057
Jun-16	3,298,880	3,484,877	14,271,457	7,206,807	5,048,450	15,556,753	48,867,224	12,718,732	(6,100,000)	55,485,956
Jul-16	421,661	3,488,704	14,427,004	7,957,152	5,045,284	15,581,048	46,920,852	7,887,988	(6,100,000)	48,708,841
Aug-16	4,892,883	3,236,330	14,201,050	7,720,053	5,043,019	15,581,048	50,674,382	6,268,445	(6,100,000)	50,842,827
Sep-16	3,132,741	3,428,118	14,372,231	7,968,644	5,043,472	11,697,458	45,642,663	5,459,150	(2,600,000)	48,501,813
Oct-16	1,222,317	3,397,218	14,231,655	7,892,718	5,047,978	10,996,789	42,788,675	6,122,481	(2,600,000)	46,311,156
Nov-16	2,842,317	3,464,203	14,918,669	7,891,008	4,987,108	8,869,835	42,973,140	6,907,198	(4,100,000)	45,780,338
Dec-16	997,770	3,467,177	15,108,271	7,903,493	5,008,678	7,482,629	39,968,019	3,273,153	(4,100,000)	39,141,172



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SILICON VALLEY CLEAN WATER INVESTMENT LISTING December 31, 2016

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	7/1/2017	4.300%	1.07	50,000	50,841	51,407	546
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	3/1/2018	5.000%	1.20	65,852	66,660	68,219	800
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	2/1/2020	5.000%	1.39	77,789	81,010	82,067	1,126
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.53	60,000	61,485	62,204	942
FEDERAL HOME LOAN BKS CONS BDS	AA+	2/18/2021	1.375%	1.86	30,000	29,450	30,468	548
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	2/10/2017	2.875%	1.00	50,000	50,133	50,553	499
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	6/8/2017	5.400%	0.98	50,000	51,043	51,131	498
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	1/17/2017	4.875%	0.53	50,000	50,089	51,061	263
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	1/5/2017	4.250%	4.16	50,000	50,014	50,908	2,082
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/8/2017	3.125%	1.04	85,000	86,763	86,877	906
FEDERAL HOME LOAN BKS CONS BDS	AA+	6/9/2017	1.125%	0.74	100,000	100,144	100,213	740
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	9/17/2018	1.950%	1.26	100,000	101,257	101,916	1,274
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	4/9/2018	0.699%	0.78	50,000	50,002	49,959	391
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/9/2016	4.625%	1.11	125,000	130,106	131,704	1,438
FEDERAL HOME LOAN BKS CONS BDS	AA+	3/9/2018	4.375%	1.46	50,000	53,605	53,782	782
FEDERAL HOME LOAN BKS CONS BDS	AA+	7/1/2019	4.500%	1.50	100,000	107,953	109,819	1,616
FEDERAL HOME LN MTG CORP	AA+	9/13/2019	1.000%	0.77	50,000	50,066	50,070	388
FEDERAL NATL MTG ASSN	AA+	7/25/2017	1.500%	1.62	30,000	29,875	30,440	485
FEDERAL NATL MTG ASSN	AA+	6/22/2020	1.500%	1.78	30,000	29,641	30,355	526
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.375%	1.88	30,000	29,433	30,362	552
FEDERAL NATL MTG ASSN	AA+	2/26/2021	1.625%	1.21	60,000	60,464	60,913	733
FEDERAL NATL MTG ASSN GTD REMIC	NR	11/27/2018	2.171%	1.72	150,000	150,611	151,969	2,592
FEDERAL NATL MTG ASSN	AA+	9/25/2019	1.750%	1.77	100,000	99,174	100,935	1,756
FEDERAL HOME LN MTG CORP MULTICLASS	NR	9/25/2020	1.869%	1.71	130,000	130,155	129,817	2,227
FEDERAL HOME LN MTG CORP	AA+	11/25/2019	1.250%	0.69	95,000	95,208	95,305	657
FEDERAL HOME LN MTG CORP	AA+	5/12/2017	1.750%	1.35	30,000	30,283	30,630	409
FEDERAL HOME LN MTG CORP	AA+	5/30/2019	1.250%	1.45	30,000	29,825	30,232	432
FEDERAL HOME LN MTG CORP MULTICLASS	N.A.	10/2/2019	4.000%	1.43	42,709	43,681	43,990	624
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	4/15/2020	5.500%	1.73	59,273	61,583	62,681	1,065
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/1/2019	5.500%	1.49	42,063	42,746	43,588	637
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	3/1/2020	5.000%	1.35	34,052	35,530	35,946	480
GNMA II PASSTHRU CTF POOL #003421	N.A.	4/1/2020	4.500%	1.54	25,430	25,966	26,642	400
GENERAL ELEC CAP CORP MTN	A+	8/20/2018	1.151%	1.15	75,000	75,137	74,771	863
GEORGIA MUN ELEC AUTH PWR REV SUB	A+	8/7/2018	3.202%	-	25,000	25,000	25,233	-
IOWA FIN AUTH REV ST REVOLVING FD	AAA	1/1/2017	3.280%	1.46	50,000	51,581	51,700	753
MCDONALDS CORP MED TERM NT FR	BBB+	8/1/2018	5.800%	1.33	25,000	25,854	26,162	345
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	10/15/2017	5.000%	1.34	50,000	51,958	52,372	697
OREGON ST GO ENERGY BDS 2006 B AMT	AA+	2/1/2018	4.000%	3.67	100,000	100,187	100,000	3,676
SAN LUIS ARIZ PLEDGED EXCISE T REV	N.A.	10/1/2017	2.000%	1.24	50,000	50,051	50,000	622
SMALL BUSINESS ADMIN GTD LN POOL	N.A.	7/1/2017	3.325%	2.03	44,380	44,793	46,051	908
U S BANCORP MTNS BK ENT FR	AA-	2/25/2019	1.950%	1.61	50,000	50,255	50,101	810
UNIVERSITY CALIF REVS FOR PREV GEN	AA	12/15/2016	1.796%	1.66	50,000	50,142	49,568	832
WELLS FARGO & CO NEW SR GLBL NT	A+	11/15/2018	5.625%	1.59	50,000	51,838	51,986	824
WYETH NT	AA-	7/1/2019	5.450%	1.02	50,000	50,516	51,088	517
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	12/1/2017	1.010%	1.49	80,000	79,307	80,000	1,182
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	4/1/2017	1.200%	1.80	100,000	98,410	100,058	1,775
RICHMOND VA GO PUB IMPT BDS C	AA	10/26/2018	2.599%	2.31	100,000	101,772	105,711	2,353
PORT MORROW ORE TRANSMISSION F REV	AA	11/1/2019	2.737%	2.41	100,000	102,130	105,266	2,458
WACO TEX INDPT SCH DIST REF BDS	N.A.	7/15/2021	4.000%	1.85	110,000	117,038	119,714	2,170
FEDERAL HOME LN MTG CORP	AA+	9/1/2021	1.500%	1.78	80,000	79,871	80,000	1,421
CASH & EQUIVALENTS	-	-	-	0.45	-	196,547	196,547	884
Annual OPS and CAP Budget Reserve Total						\$ 3,467,177	\$ 3,502,486	\$ 51,504

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Broker/Dealer	Composite		Coupon	Yield to			Estimated	
Investment Name	Credit	Maturity	Rate	Maturity	Par Value	Market Value	Annual \$ Yield	
						Cost	Earnings	
Capital Improvement Program Reserve								
APPLE INC SR FLT NT	AA+	12/1/2016	1.137%	1.29	100,000	99,875	99,821	1,283
BERGEN CNTY N J TAXABLE GO BDS 2008	N.A.	2/7/2020	6.000%	1.49	100,000	108,535	108,630	1,614
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	11/1/2019	5.400%	1.45	100,000	105,244	105,817	1,523
CALIFORNIA ST GO BDS TAXABLE	AA-	5/15/2018	6.200%	2.15	100,000	111,090	112,015	2,386
CHEVRON CORPORATION SR NT	AA-	10/1/2019	4.950%	1.71	100,000	106,857	107,275	1,823
CISCO SYS INC SR GLBL NT	A+	3/3/2019	4.450%	2.04	125,000	133,968	135,775	2,734
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA	1/15/2020	4.300%	1.07	25,000	25,421	25,703	273
COLGATE PALMOLIVE CO MTNS FR	AA-	7/1/2017	1.500%	1.45	100,000	100,218	100,322	1,449
COOKEVILLE TENN GO INDUSTRIAL AND	N.A.	11/1/2018	3.000%	1.40	100,000	100,709	100,904	1,407
EXXON MOBIL CORP SR FLT NT	AA+	6/1/2017	1.113%	1.20	100,000	100,337	99,935	1,201
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	3/15/2019	5.000%	1.20	22,140	22,412	22,936	269
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	3/1/2018	5.000%	1.67	73,821	75,630	77,836	1,263
FEDERAL HOME LOAN BKS CONS BDS	AA+	2/1/2019	2.375%	1.53	340,000	348,415	346,474	5,338
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	1.375%	1.86	100,000	98,165	101,561	1,828
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	2/18/2021	2.500%	1.13	500,000	506,975	507,765	5,719
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	12/1/2017	4.500%	1.00	500,000	517,460	526,228	5,154
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	1/5/2018	5.000%	1.08	25,000	25,737	26,032	278
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	9/22/2017	5.050%	1.25	20,000	21,064	21,072	264
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	6/22/2018	5.300%	1.74	450,000	501,903	505,310	8,708
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	4/6/2020	4.750%	1.01	500,000	514,220	519,018	5,204
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	9/29/2017	5.320%	1.56	50,000	54,999	55,485	856
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	9/3/2019	4.670%	1.11	450,000	468,437	474,408	5,176
FEDERAL HOME LOAN BKS CONS BDS	AA+	2/27/2018	2.250%	0.79	250,000	252,503	253,238	1,990
FEDERAL HOME LOAN BKS CONS BDS	AA+	9/8/2017	2.875%	1.75	60,000	62,672	63,318	1,097
FEDERAL HOME LOAN BKS CONS BDS	AA+	9/11/2020	2.625%	1.05	500,000	508,070	508,420	5,325
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/8/2017	3.125%	1.04	25,000	25,519	25,552	266
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/8/2017	1.125%	0.74	30,000	30,043	30,064	222
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	6/9/2017	1.520%	1.41	250,000	250,760	250,000	3,526
FEDERAL HOME LOAN BKS CONS BDS	AA+	6/24/2019	5.125%	1.46	60,000	65,656	66,338	959
FEDERAL HOME LOAN BKS CONS BDS	AA+	8/15/2019	4.625%	1.69	200,000	217,714	219,188	3,671
FEDERAL HOME LOAN BKS CONS BDS	AA+	6/12/2020	5.250%	0.85	500,000	509,485	511,280	4,305
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/9/2016	3.750%	1.29	250,000	261,985	262,078	3,369
FEDERAL HOME LOAN BKS CONS BDS	AA+	6/5/2017	4.375%	1.46	25,000	26,802	26,891	391
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/14/2018	4.125%	1.55	125,000	134,316	136,268	2,086
FEDERAL HOME LOAN BKS CONS BDS	AA+	7/1/2019	4.125%	1.58	700,000	754,796	758,907	11,956
FEDERAL NATL MTG ASSN	AA+	12/13/2019	1.625%	1.51	100,000	100,341	102,335	1,517
FEDERAL NATL MTG ASSN	AA+	3/13/2020	1.500%	1.62	50,000	49,792	50,733	808
FEDERAL NATL MTG ASSN	AA+	1/21/2020	1.500%	1.78	50,000	49,401	50,592	877
FEDERAL NATL MTG ASSN	AA+	6/22/2020	1.875%	1.77	325,000	326,047	333,132	5,781
FEDERAL NATL MTG ASSN	AA+	11/15/2016	1.375%	1.88	100,000	98,110	101,208	1,842
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.625%	1.21	150,000	151,160	152,282	1,832
FEDERAL HOME LN MTG CORP MULTICLASS	NR	12/28/2020	3.531%	1.99	100,000	104,821	106,188	2,084
FEDERAL HOME LN MTG CORP	AA+	2/26/2021	4.875%	1.13	115,000	121,254	121,538	1,368
FEDERAL HOME LN MTG CORP	AA+	11/27/2018	3.750%	1.31	500,000	526,890	528,243	6,886
FEDERAL HOME LN MTG CORP	AA+	6/25/2020	1.750%	1.35	50,000	50,471	51,051	681
FEDERAL HOME LN MTG CORP	AA+	6/13/2018	1.250%	1.45	50,000	49,708	50,386	719
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	3/27/2019	3.840%	2.22	250,000	255,938	266,641	5,682
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	5/30/2019	2.680%	1.90	476,103	485,135	495,892	9,218
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	10/2/2019	1.940%	1.88	468,357	469,608	472,748	8,829
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	5/1/2018	5.000%	1.67	88,507	91,171	93,292	1,523
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	4/1/2019	4.890%	2.21	255,735	273,107	283,706	6,036
INTERNATIONAL BUSINESS MACHS SR GLBL	AA-	7/1/2019	1.071%	1.10	100,000	100,118	99,977	1,102
IOWA FIN AUTH REV ST REVOLVING FD	AAA	4/1/2019	3.280%	1.46	25,000	25,791	25,850	377
MICROSOFT CORP NT	AAA	7/1/2019	4.200%	1.54	100,000	106,262	105,783	1,633
MONONA WIS TAXABLE PROM NTS 2015B	N.A.	10/17/2016	3.250%	2.45	100,000	102,533	102,438	2,512
NEW YORK N Y GOBDS 2011 C TAXABLE	AA	2/6/2018	3.480%	1.40	100,000	103,405	102,992	1,448
OHIO ST GO BDS 2009 C TAXABLE	AA+	8/1/2018	4.371%	1.24	100,000	103,591	104,247	1,288
ORACLE CORP SR FLT NT	A+	6/1/2019	1.068%	1.04	25,000	25,019	25,042	259
OREGON ST GO ENERGY BDS 2006 B AMT	AA+	6/1/2020	4.000%	3.67	25,000	25,047	25,000	919
PASADENA CALIF PUB FING AUTH L LEASE	AA	10/1/2018	4.224%	1.50	25,000	25,710	25,739	386
TENNESSEE VALLEY AUTH GLBL PWR 07A	AA+	3/1/2018	5.500%	0.76	50,000	51,293	52,277	388
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	7/7/2017	4.500%	1.18	500,000	520,930	524,868	6,157
WAL MART STORES INC SR GLBL NT	AA	10/1/2017	5.375%	1.00	100,000	101,096	102,239	1,011

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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
WELLS FARGO & CO NEW SR GLBL NT	A+	3/1/2018	5.625%	1.59	25,000	25,919	25,993	412
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	11/1/2016	1.010%	1.49	100,000	99,134	100,000	1,478
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	2/15/2019	1.200%	1.80	100,000	98,410	100,058	1,775
RICHMOND VA GO PUB IMPT BDS C	AA	7/18/2017	2.599%	2.31	100,000	101,772	105,711	2,353
BANK NEW YORK MTN BK ENT FR	A+	4/1/2018	2.450%	2.41	100,000	100,036	103,394	2,410
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	4/5/2017	3.410%	2.25	119,098	124,430	127,583	2,800
GILEAD SCIENCES INC SR NT	A-	12/11/2017	2.550%	2.19	100,000	101,054	104,247	2,212
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	10/26/2018	1.616%	2.40	100,000	96,645	100,150	2,319
PORT MORROW ORE TRANSMISSION F REV	AA	11/1/2019	2.737%	2.41	225,000	229,793	236,849	5,531
WACO TEX INDPT SCH DIST REF BDS	N.A.	7/15/2021	4.000%	1.85	165,000	175,557	179,571	3,255
FEDERAL NATL MTG ASSN	AA+	11/27/2020	1.800%	1.97	260,000	257,530	260,000	5,071
FEDERAL HOME LN MTG CORP	AA+	11/1/2020	1.500%	1.78	260,000	259,581	260,000	4,618
FEDERAL HOME LN MTG CORP	AA+	9/1/2020	1.750%	1.90	340,000	338,895	340,000	6,449
CASH & EQUIVALENTS	-	-	-	0.45	-	1,357,781	680,342	6,110
Capital Improvement Program Reserve Total						\$ 15,108,271	\$ 14,572,172	\$ 214,866

Stage 2 Capacity Reserve

BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	5/15/2018	5.400%	1.45	100,000	105,244	105,806	1,523
CEDAR PARK TEX CTFS OBLIG TAXABLE	AA	8/15/2018	5.280%	1.47	50,000	53,022	53,276	781
CISCO SYS INC SR GLBL NT	A+	1/15/2020	4.450%	2.04	75,000	80,381	81,465	1,641
CLARK CNTY NEV FOR ISSUES DTD GO BDS	AA	7/1/2017	4.300%	1.07	100,000	101,682	102,813	1,091
CONOCOPHILLIPS NT	BBB+	11/7/2016	5.200%	1.76	50,000	52,261	52,666	921
COOKEVILLE TENN GO INDUSTRIAL AND	N.A.	5/15/2018	3.000%	1.40	100,000	100,709	100,904	1,407
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	6/1/2017	5.000%	1.67	73,821	75,630	77,835	1,263
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	2/1/2019	4.500%	1.70	65,672	67,379	68,463	1,145
FEDERAL HOME LOAN BKS CONS BDS	AA+	11/1/2020	2.375%	1.53	100,000	102,475	103,674	1,570
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	1.375%	1.86	100,000	98,165	101,561	1,828
FEDERAL HOME LOAN BKS CONS BDS	NR	2/18/2021	0.875%	1.12	100,000	99,667	100,107	1,115
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	6/29/2018	2.875%	1.00	100,000	100,266	101,105	999
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	2/10/2017	4.500%	1.15	100,000	104,570	104,616	1,205
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	5/15/2018	4.750%	1.01	250,000	257,110	259,365	2,602
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	9/29/2017	4.780%	1.27	55,000	58,338	58,600	740
FEDERAL HOME LOAN BKS CONS BDS	AA+	9/28/2018	2.250%	0.79	250,000	252,503	253,238	1,990
FEDERAL HOME LOAN BKS CONS BDS	AA+	9/8/2017	2.875%	1.75	60,000	62,672	63,318	1,097
FEDERAL HOME LOAN BKS CONS BDS	AA+	9/11/2020	3.125%	1.04	100,000	102,074	102,208	1,066
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/8/2017	1.125%	0.74	100,000	100,144	100,213	740
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	6/9/2017	1.520%	1.41	200,000	200,608	200,000	2,821
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	6/24/2019	0.699%	0.78	50,000	50,002	49,959	391
FEDERAL HOME LOAN BKS CONS BDS	AA+	4/9/2018	5.125%	1.46	50,000	54,713	55,282	799
FEDERAL HOME LOAN BKS CONS BDS	AA+	8/15/2019	4.625%	1.11	75,000	78,064	79,022	863
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/9/2016	4.375%	1.46	100,000	107,209	107,563	1,563
FEDERAL HOME LOAN BKS CONS BDS	AA+	3/9/2018	4.125%	1.58	125,000	134,785	135,376	2,135
FEDERAL HOME LN MTG CORP	AA+	7/1/2019	1.000%	0.77	100,000	100,132	100,140	775
FEDERAL NATL MTG ASSN	AA+	3/13/2020	1.625%	1.51	100,000	100,341	102,335	1,517
FEDERAL NATL MTG ASSN	AA+	7/25/2017	1.500%	1.62	100,000	99,584	101,466	1,616
FEDERAL NATL MTG ASSN	AA+	1/21/2020	1.500%	1.78	100,000	98,802	101,183	1,754
FEDERAL NATL MTG ASSN	AA+	6/22/2020	1.875%	1.77	175,000	175,564	179,379	3,113
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.375%	1.88	100,000	98,110	101,208	1,842
FEDERAL NATL MTG ASSN	AA+	12/28/2020	3.275%	1.34	100,000	103,974	104,239	1,389
FEDERAL HOME LN MTG CORP MULTICLASS	NR	2/26/2021	2.788%	1.79	76,517	77,762	78,430	1,394
FEDERAL HOME LN MTG CORP	AA+	1/14/2019	3.750%	1.31	250,000	263,445	264,046	3,443
FEDERAL HOME LN MTG CORP	AA+	10/25/2020	1.250%	0.69	55,000	55,120	55,177	380
FEDERAL HOME LN MTG CORP	AA+	3/27/2019	1.750%	1.35	100,000	100,942	102,101	1,363
FEDERAL HOME LN MTG CORP	AA+	5/12/2017	1.250%	1.39	100,000	99,588	101,316	1,384
FEDERAL HOME LN MTG CORP	AA+	5/30/2019	1.250%	1.45	100,000	99,415	100,772	1,439
FEDERAL HOME LN MTG CORP	AA+	8/1/2019	0.750%	1.05	100,000	99,631	99,836	1,048
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	10/2/2019	3.840%	2.22	200,000	204,750	213,313	4,545
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	4/9/2018	4.000%	1.31	106,753	109,956	111,858	1,440
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	5/1/2018	4.890%	2.21	213,898	228,429	237,294	5,048
GARNER N C GO PUB IMPT BDS TAXABLE	AA	12/1/2020	3.050%	1.33	50,000	50,955	51,183	677
GENERAL ELEC CAP CORP MTN	A+	7/1/2019	1.151%	1.15	100,000	100,182	99,695	1,150
IOWA FIN AUTH REV ST REVOLVING FD	AAA	2/1/2018	3.280%	1.46	100,000	103,162	103,399	1,506
JPMORGAN CHASE & CO SR NT	A-	8/7/2018	2.550%	2.66	50,000	49,843	51,202	1,323
LANCASTER CNTY NEB SCH DIST NO SCH	AA	8/1/2018	4.550%	2.60	50,000	53,803	55,903	1,398

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Broker/Dealer	Composite	Coupon	Yield to				Estimated
Investment Name	Credit	Maturity	Rate	Maturity	Par Value	Market Value	Annual \$ Yield
MCDONALDS CORP MED TERM NT FR	BBB+	3/1/2021	5.800%	1.33	50,000	51,708	52,324
NORFOLK VA GO CAP IMPT BDS 2010 B	AA	1/15/2021	4.650%	1.87	100,000	106,710	106,524
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	10/15/2017	5.000%	1.34	100,000	103,915	104,743
OREGON ST GO ENERGY BDS 2006 B AMT	AA+	3/1/2019	4.000%	3.67	100,000	100,187	100,000
SAN LUIS ARIZ PLEDGED EXCISE T REV	N.A.	2/1/2018	2.000%	1.24	100,000	100,102	100,000
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	10/1/2017	4.500%	1.18	200,000	208,372	209,766
U S BANCORP MTNS BK ENT FR	AA-	11/1/2016	1.950%	1.61	100,000	100,509	100,201
UNIVERSITY CALIF REVS FOR PREV GEN	AA	7/1/2017	1.796%	1.66	50,000	50,142	49,568
WELLS FARGO & CO NEW SR GLBL NT	A+	10/1/2016	5.625%	1.59	100,000	103,676	103,971
WYETH NT	AA-	12/15/2016	5.450%	1.02	50,000	50,516	51,088
XTO ENERGY INC SR NT	AA+	4/1/2018	5.500%	1.58	100,000	105,516	106,117
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	11/15/2018	1.010%	1.49	200,000	198,268	200,000
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	7/1/2019	1.200%	1.80	100,000	98,410	100,058
BANK NEW YORK MTN BK ENT FR	A+	12/1/2017	2.450%	2.41	150,000	150,054	155,091
GILEAD SCIENCES INC SR NT	A-	4/1/2017	2.550%	2.19	150,000	151,581	156,371
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	6/15/2018	1.616%	2.40	100,000	96,645	100,150
FEDERAL HOME LN MTG CORP	AA+	10/26/2018	1.250%	1.97	90,000	88,058	90,000
METRO WASTEWR RECLAMATION DIS REV	AA+	11/1/2019	4.718%	1.94	100,000	106,897	108,949
WACO TEX INDPT SCH DIST REF BDS	N.A.	11/27/2020	4.000%	1.85	55,000	58,519	59,857
FEDERAL HOME LN MTG CORP	AA+	9/1/2020	1.500%	1.90	60,000	58,006	60,000
FEDERAL HOME LN MTG CORP	AA+	5/1/2021	1.050%	2.41	100,000	97,570	99,900
FEDERAL NATL MTG ASSN	AA+	8/25/2021	1.250%	1.61	60,000	59,571	59,985
FEDERAL NATL MTG ASSN	AA+	4/1/2019	1.800%	1.97	60,000	59,430	60,000
FEDERAL HOME LN MTG CORP	AA+	2/15/2020	1.750%	1.90	100,000	99,675	100,000
CASH & EQUIVALENTS	-	-	-	0.45	-	426,298	426,298
Stage 2 Capacity Reserve Total						\$ 7,903,493	\$ 7,994,865
Subtotal, Bank of the West						\$ 26,478,941	\$ 26,069,524
California Local Agency Investment Fund	LAIF	0.719%				\$ 836,747	\$ 836,747
TOTAL UNRESTRICTED INVESTMENTS						\$ 27,315,688	\$ 26,906,271
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%	-		4,322	4,322	-
2009 Reserve Account - Federal National Mortgage Assn 313G3Q73	Aaa	7/26/2019	1.150%	1.16	4,739,035	4,780,000	54,973
2009 Reserve Account - BMW BK North Amer Salt Lake 05580ACK3		7/24/2019	2.000%	1.98	151,620	150,000	3,002
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	0.000%	-		104,681	104,681	-
2009 Revenue Account - Morgan Stanley Treas Sec X9USDMORS	-	0.000%	-		288	288	-
2014 Revenue Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-		426	426	-
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%	-		3,258	3,258	-
2014 COI Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-		5,138	5,138	-
2015 Project Account - LAIF	-	0.719%	0.719		7,481,625	7,481,625	53,793
2015 Project Account - JP Morgan Prime MMKT Instl	-	0.000%	-		717	717	-
2015 Revenue Account - JP Morgan Prime MMKT Instl	-	0.000%	-		163	163	-

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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
2008 Escrow Account - United States Treasury Notes 912828MK3	Aaa	1/31/2017	3.125%	3.12		84,177	86,678	2,626
2008 Escrow Account - United States Treasury Notes 912828NR7	Aaa	7/31/2017	2.375%	2.35		7,561,979	7,715,749	177,707
2008 Escrow Account - Cash		-	0.000%	-		850	850	-
2009 Escrow - United States Treasury 912828SC5	Aaa	1/31/2017	0.875%	0.87		595,238	597,836	5,179
2009 Escrow - United States Treasury 912828XP0	Aaa	7/31/2017	0.625%	0.63		596,743	596,728	3,759
2009 Escrow - United States Treasury 912828UJ7	Aaa	1/31/2018	0.875%	0.88		598,557	599,629	5,267
2009 Escrow - Resolution Funding Corp Interest Strip 76116EFS4	Aaa	7/15/2018	0.000%	-		331,990	329,183	-
2009 Escrow - United States Treasury 912828VQ0	Aaa	7/31/2018	1.375%	1.37		264,170	265,978	3,619
2009 Escrow - United States Treasury 912828B33	Aaa	1/31/2019	1.500%	1.49		606,274	610,349	9,033
2009 Escrow - Tunisia Government Aid Bonds 066716AG6	Aaa	7/16/2019	1.686%	1.69		40,242,406	40,944,692	680,097
2009 Escrow - Cash		-	0.000%	-		1,495	1,495	-
Subtotal, Bank of New York (Trustee)						\$ 63,375,187	\$ 64,279,818	\$ 999,055
Less Amounts held in Escrow for 2008 and 2009 Bond Defeasance						\$ (50,883,880)	\$ (51,749,166)	\$ (887,287)
Net Total, Bank of New York (Trustee)						\$ 12,491,308	\$ 12,530,652	\$ 111,768

Uninvested Operating Cash

161,024 161,024

TOTAL CASH & INVESTMENTS, UNRESTRICTED AND WITH TRUSTEE


\$ 39,968,019 \$ 39,597,946 1,390,297
Weighted Average Yield to Maturity % 1.52%

Summary by Investment Type:	Market Value
US Treasuries	\$ 109,306
Agencies	22,377,711
Commercial Paper / Corporate Bonds	2,712,690
Municipal Bonds / Notes	4,298,569
Money Market / Certificates of Deposit	2,151,372
Local Agency Investment Fund	8,318,372
TOTAL	\$ 39,968,019

Summary by Purpose / Restriction Level	Market Value
Working Capital	\$ 997,770
Operations & Capital Budget Reserve	3,467,177
Capital Improvement Program Reserve	15,108,271
Stage 2 Capacity Reserve	7,903,493
Debt Service Payments Received	4,489
Debt Reserve	5,004,189
Debt Proceeds	7,482,629
TOTAL	\$ 39,968,019

Summary by Liquidity:	Market Value
0-1 years	\$ 14,810,688
1-2 years	5,501,227
2-3 years	11,351,654
3-5 years	8,304,451
TOTAL	\$ 39,968,019

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

FINANCE STATUS REPORTISSUE

Operating Fund Financial Update as of December 31, 2016. This Update is a Preliminary Estimate of the Second Quarter of the 2016-17 Fiscal Year.

DISCUSSION

Staff presents the Commission with a preliminary financial update each quarter of the fiscal year. The below points highlight key findings found in the attached summary table.

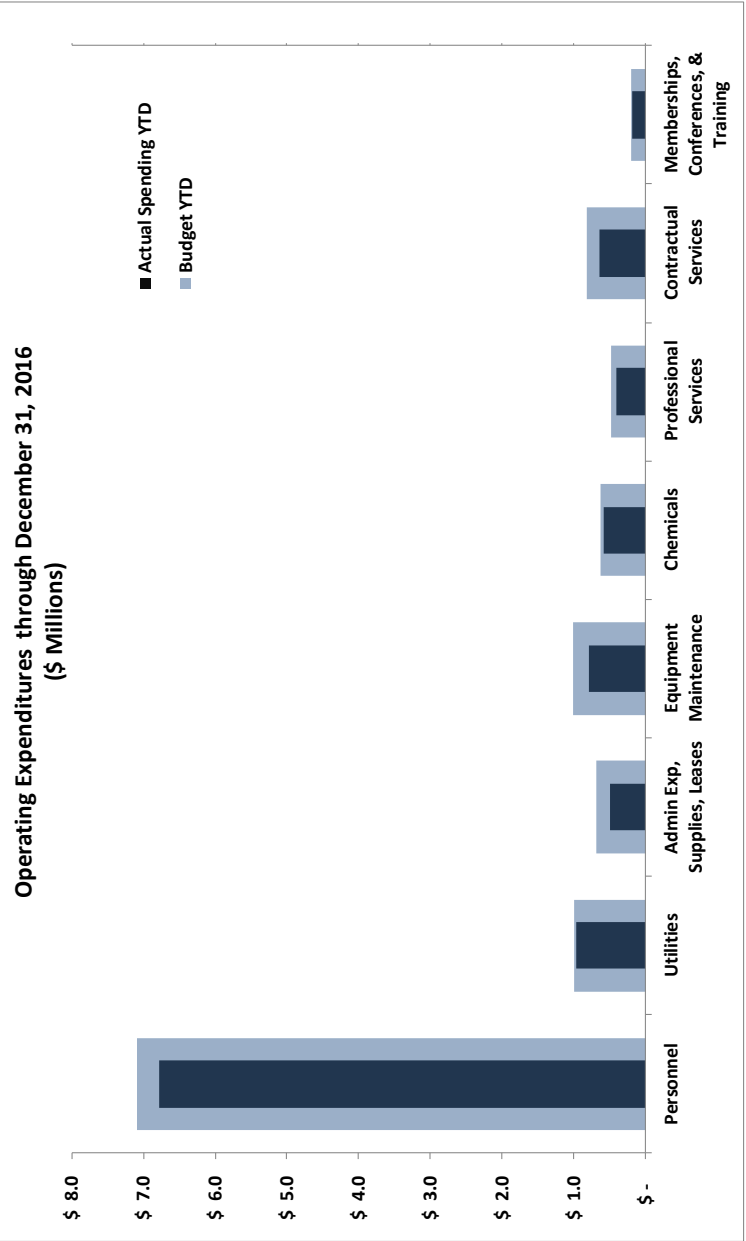
Revenue: After the second fiscal quarter, actual revenue was at Budget. All Member Agency contributions were received on time. Miscellaneous Income including grease & septic acceptance, pretreatment programs, restaurant grease programs, and laboratory analysis, ended the quarter \$10 thousand (0.1%) more than budgeted.

Expense: Through the second quarter, operating expenses were \$10.84 million, or 9.0% less than the \$11.91 million budgeted. Notable favorable variances (where spending was less than the amount budgeted) included:

- Salaries & Compensation was \$316.7 thousand (4.5%) below budget due to a maintenance vacancy and the timing of performance incentives payments, which are paid at the end of the fiscal year but were budgeted monthly.
- Utilities expense is \$34.5 thousand (7.9%) less than budget as the cogeneration engines continued to perform better than planned.
- Administrative fees are under budget by \$190 thousand (27.7%) due to timing of permitting fees including Regional Monitoring Programs and NPDES planning. Both were budgeted early in the year but will be paid in January 2017.
- Equipment Maintenance costs were \$216 thousand (21.4%) less than budget. Several Information Technology initiatives are scheduled for later this year including upgrades of software licenses, renewal of equipment support contracts, door security repairs, and equipment replacement.
- Chemicals expense was \$40.5 thousand (6.5%) below budget. The Operations Division has successfully utilized a lower-cost odor control chemical, Trioxyn®.
- The Operating Division budget was \$183 thousand (22.3%) less than budget for Contractual Services. This favorability was from less hauling costs as the use of drying beds has reduced the volume and weight of solids hauled away.

SVCW Operating Revenue and Expenditures versus Budget - Through December 31, 2016

Description	YTD Actual	YTD Budget	\$ Better/ (Worse)	% Better/ (Worse)	Comment
Revenue:	\$ 11,407,741	\$ 11,397,347	\$ 10,394	0.1%	Revenues on budget. Grease delivery volumes have risen in response to rate decrease.
Expenditures:					
Personnel	\$ 6,779,944	\$ 7,096,657	\$ 316,713	4.5%	One vacancy in Maintenance Department. Other timing issues related to year-end incentive program payout that occurs later than the Budget's accrual method. Overtime at budgeted levels despite frequent wet weather events.
Utilities	960,657	995,193	34,536	3.5%	Reduced use of natural gas. Cogeneration engines performing well.
Admin Exp, Supplies, Leases	496,816	686,706	189,890	27.7%	Timing of permitting fees to Regional Monitoring Program and BACWA. Purchase of communications automation software license will occur in January.
Equipment Maintenance	791,882	1,008,041	216,159	21.4%	Delay in security and surveillance service. Decrease in instrumentation services due to reduced work schedule. No significant cogeneration engine repairs were incurred.
Chemicals	581,591	622,165	40,574	6.5%	Reduced purchases of nitrate due to trial of new odor control chemical, trioxyn, a less costly material.
Professional Services	412,004	481,003	68,999	14.3%	Delay in purchase of I.S. services for Infor CMMS software, Worktech timecard software, SCADA, and network security. Timing of payments for legal, and contractor prequalification activity.
Contractual Services	639,168	822,665	183,497	22.3%	Less contractual services due to delay in network support agreement. New dewatering process has not yet begun, use of drying beds has reduced sludge hauling volumes, tanks have needed less cleaning due to better rag screening, and postponement of wastewater educational support to the 2nd quarter.
Memberships, Conferences, & Training	179,189	200,446	21,257	10.6%	Timing of memberships, training, and conferences.
TOTAL Expenditures:	\$ 10,841,252	\$ 11,912,876	\$ 1,071,624	9.0%	



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

Solids Process Automation (8007, 8018, 8021): In support of automating the entire treatment process, this project works to automate the primary sedimentation, solids thickening, and digestion processes.

The Solids Process Automation project has been in construction since 2013, with Monterey Mechanical doing the construction. It is a very large and complex project and involves modifying and installing new mechanical, electrical, structural, and controls equipment. This project was funded via SRF funds along with two other projects that have already been completed.

Planned Commission Actions: Accept Project – February 2017

Food Waste: Receiving Station Improvements (9229): Plan, design and construct a receiving station for accepting municipal organic waste for anaerobic digestion and methane production.

SVCW staff has engaged technology experts and potential food waste providers in an effort to optimize its existing anaerobic digester, grease receiving, and cogeneration infrastructure. By accepting organic food waste, minimally processing it, and injecting it into the digesters, SVCW will be able to produce more digester gas and generate more electricity, reducing the monthly PG&E bills, and receiving tipping fees for the waste acceptance. Based on successful discussions, SVCW plans to build a pilot facility to determine the effect of food waste acceptance on digester performance and operations. Improvements to the Grease Receiving Station are needed to complete the pilot study for food waste technology. In May 2016, staff was authorized to purchase a liquid waste receiving unit (Flo-Beast) that has significantly reduced the amount of maintenance required as well as optimized performance for the Grease Receiving Station. The Commission will be asked to Authorize the installation contract at the February 2017 meeting.

Planned Commission Actions: Award Installation Contract for Flo-Beast – February 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; currently wet weather flows are bypassed 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 deleted 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 – March 2017

Effluent Pipeline Replacement Project (6012): Replace the entire 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 – March 2017

Conveyance System Program Planning (6006): Perform environmental review of conveyance system alternatives and planning for various program elements.

The project team has performed detailed in-depth analysis of alternative alignments for the entire conveyance system. After developing and evaluating many alternatives, and receiving consent from the Commission on pursuing Alternative 4BE by initiating CEQA for this alternative, the project team is moving forward with the environmental review phase of the program. The Draft EIR was completed and circulated on November 29, 2016. A presentation was provided to the Commission in December 2016. A public meeting was held on December 14; four people attended. Comments on the DEIR were due on January 13th. Staff and consultants are preparing responses to the comments received and finalizing the EIR for presentation to the Commission for possible certification in April.

Planned Commission Actions: Certify EIR – April 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 meeting for approval of Owner's Advisor services to prepare Requests for Qualifications (RFQs) and Requests for Proposals (RFPs) for Progressive Design-Build delivery of some of the Conveyance System Projects.

Planned Commission Actions: Approve Procurement Documents – April 2017

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 Department has identified that replacement of valves at Menlo Park and Redwood City Pump Stations is necessary to keep the pump stations reliable over the next 5 – 7 years, until they are rehabilitated/replaced. Due to the lead time on the valves, SVCW will procure and install the valves as two separate contracts. The procurement of the valves was presented for approval at the January Commission Meeting and the installation contract will be presented for approval at the April or May Commission Meeting.

Planned Commission Actions: Award Installation Contract – April or May 2017

SVCW Capital Improvement Program
Actual Expenditure vs. Plan
Through December 31, 2016

Project Phase	Project Count	Amended 2015 CIP Update	Actual Spent thru December 2016	\$ Unspent/ Remaining	% Unspent/ Remaining
Completed	103	\$ 139,194,565	\$ 137,312,790	\$ 1,881,775	1.4%
In Construction	29	75,997,343	60,507,570	15,489,773	20.4%
Planning & Design	35	461,274,545	25,527,134	435,747,411	94.5%
Other	33	136,483,183	4,888,461	131,594,722	96.4%
TOTAL	200	* \$ 812,949,637	\$ 228,235,956	\$ 584,713,681	71.9%

* 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**

30-Jan-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 December 2016
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 plant.	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 application	-	3,000,000	3,128,769	3,079,614
Complete	7013	Pump Stations Secondary Communications	Provide secondary communications for remote monitoring and control	-	-	51,900	33,289
Complete	8001	Central Data Acquisition Unit PLC System Upgrade	Central Data Acquisition Unit PLC System Upgrade; Replacement for Automation Program.	127,700	32,592	32,592	25,220
Complete	8002	Auto-reset of Effluent Pumps	Remote reset of effluent pumps after a power outage.	38,900	15,266	15,266	-
Complete	8003	Disinfection Area SCADA	Tie-in disinfection area to the SCADA network in conjunction with Hypochlorite project (9015)	16,100	-	-	-
Complete	8004	Install SCADA Servers	Purchase and install and program independent servers for SCADA use only.	170,200	163,002	91,040	91,040
Complete	8005	Install MCC PLC	Installation of MCC PLC in support of the Automation Program	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 building as well as other in-plant uses.	807,300	556,934	585,790	585,790
Complete	9019	Bisulfite Injector System Improvements	Alternate dechlorination injection system for reliability improvement.	225,900	16,740	16,740	6,231
Complete	9021	Grease Receiving Station Reliability Improvements and Odor Control	Convert station to two pits, allowing for expanded volume storage. Improvements to controls, pumping, mixing.	320,200	1,698,002	1,730,417	1,730,417
Complete	9022	Existing Freight Elevator Modernization	Bring passenger and freight elevators up to modern standards; replaces controls. Passenger elevator deleted from this project and included with Administration/Plant Control Building project.	496,700	1,080,137	1,092,137	1,092,137
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	-	-

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

30-Jan-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 December 2016
Complete	9035	Effluent Pipe Access Hatch	Install an access hatch to the effluent pipe to facilitate inspection, cleaning, and repairs.	215,300	215,300	123,508	123,508
Complete	9036	Primary Sludge Piping Rehabilitation	Combined with Bilge Pit and Pumping project (221)	136,300	541,152	559,131	559,131
Complete	9038	Moyno Progressive Cavity Pump Replacement	Replace all Moyno pumps throughout the plant; replacement parts no longer available.	814,600	-	-	-
Complete	9040	Digester #2 Cleaning	Clean D2; 1 digester every 5 years	269,100	162,630	162,630	162,630
Complete	9075	IMS System Equipment Replacement	Purchase replacement and additional servers for overall Plant computer information management system.	572,800	572,800	67,517	52,474
Complete	9076	Digester Mix Pump Rehabilitation	Rebuild one pump every three years; purchase a spare pump.	275,000	-	-	-
Complete	9095	Digester #2 Cover Repair	Scheduled repair and recoat of D2; expect to replace 15-20 years out	788,200	3,000,000	3,072,075	3,072,075
Complete	9099	Solids Handling Building HVAC Air Scrubber-Implementation	Implement odor and corrosion control for entire SHB	1,673,100	1,911,100	2,152,400	2,340,918
Complete	9101	Fresh Water Lagoon Cleaning	Clean fresh water lagoon to provide necessary volume for stormwater runoff.	1,123,200	711,618	795,845	795,845
Complete	9104	Septage Receiving Area Odor Control	2nd grease pump, in-line grinder and local control panel. Odor control pulls negative pressure in pit to eliminate foul odors. Delete and combine with 9021.	1,115,400	71,602	71,602	71,602
Complete	9106	Laboratory Information Management System (LIMS)	Plan and proceed with implementation of LIMS for laboratory data and process information.	490,100	156,939	116,083	152,667
Complete	9114	Historian Software	Software purchase and installation to facilitate historical tracking of SCADA data.	34,100	2,366	2,366	-
Complete	9124	Biosolids Master Plan	Master plan for handling, hauling and disposal/reuse of biosolids.	6,373,600	694,523	694,523	694,974
Complete	9125	Plant Service Road Resurfacing-Phase 1	Phase 1 of overall Plant resurfacing project; repairs or expansion of paved areas in anticipation of upcoming construction activities. Project complete. Transfer funds from 9131 to cover overage.	182,200	448,890	503,138	503,138
Complete	9154	Cogeneration Engine Replacement	Upgrade cogeneration engine to enable full utilization of biogas produced.	7,227,900	10,005,000	13,500,000	17,555,210
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	Administration and Plant Control Building Replacement	Build a new administration and control building at existing location.	11,408,900	20,000,000	21,247,355	21,236,430
Complete	9157	Solids Handling Building Roof Replacement	Replace the roof on SHB; leaks occurring.	226,200	70,203	70,203	70,203
Complete	9163	Demolition of Abandoned Equipment in Solids Handling Building	Demolish/remove equipment in SHB that has not been in operation for over 25 years.	-	1,469,383	1,557,091	0
Complete	9167	Boiler Replacement	Replace boilers due to age and undersized for future use. Includes replacement of piping. Project is being constructed as a CCO to the Cogen Project.	-	400,000	108,050	-
Complete	9178	Levee Repair behind Warehouse	Levee leaks when the stormwater retention basin fills to a certain level; this project repairs the levee.	-	375,000	10,782	-
Complete	9179	Pretreatment Program Sample Room	Provide a wet lab receiving area for source control to prepare samples prior to analysis and also storage of equipment.	-	389,000	575,000	633,142
Complete	9180	Maintenance Shop Reconfiguration	Reconfigure maintenance spaces that have been displaced by other projects.	-	1,372,800	228,038	280,541
Complete	9183	Stage 1 Screening at Plant Influent	Construct a screening facility at influent end of plant. Originally to be funded partially via CIP and partially from Operating budget in approximately 25/75 split.	-	858,000	4,844,000	4,217,215
Complete	9193	T1 and T2 Replacement	Replace Transformers T1 and T2. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	1,029,600	-	-
Complete	9194	T3 Replacement	Replace Transformer T3. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	514,800	-	-
Complete	9195	Wetside Power	Installs new PDP-2 and replaces old transformers, T1, T2, and T3. Adds new T4. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	1,716,000	111,831	-
Complete	9198	Hot Water Piping Improvements - Phase I	Provide pumps and piping to allow the hot water loop to serve the new Plant Control and Lab Buildings.	-	171,600	31,738	-
Complete	9199	Hot Water Piping Improvements - Phase II	Add primary and secondary pumping to connect new cogeneration engines to the Plant hot water loop. Do work as CCO to 9154, Cogen. Transfer project budget	-	669,200	1,542	-
Complete	9202	DMF Valve Replacement	Replace old valves in the DMF gallery. Valves are high in the air and scaffolding will be required for access.	-	915,749	962,654	997,139
Complete	9205	1406 Radio Road Property Improvements	Provide for general improvements at the newly purchased property at 1406 Radio Road	-	1,135,000	234,666	234,666
Complete	9207	Maintenance Building Roof Replacement	Replaces the roof atop the maintenance building, including drainage improvements at the electrical room	-	18,749	18,949	-
Complete	9208	Solids Handling Building Demolition and Improvements - Phase II	Ready the SHB for new Cogeneration and dewatering equipment, and seismic bracing and column repairs. Do project in conjunction with CIP #9099.	-	1,900,000	2,759,901	2,772,117
Complete	9216	3W System Improvements	Make improvements to Plant Water system to assure adequate flow to all processes	-	171,600	314,600	312,088
Complete	9127	PEC & PST 1 & 2 Protective Coatings	Do SSC #3 with CIP #9014; also replace SSC drive.	-	-	946,092	946,092
Complete	8032	Final Effluent Pumping Control System (FEP) Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and best practices dictate decoupling controls from other distinct process systems for reliability. Add new SCADA View at existing FEP Platform. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	179,025	179,025	179,025

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

30-Jan-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 December 2016
Complete	8033	Dechlorination Control System Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and best practices dictate decoupling controls from other distinct process systems for reliability. Move new Dechlor Control Panel and the SCADA View above flood line to the newly provided platform at RAS/WAS gallery. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	179,026	179,026	179,026
Complete	8034	Tertiary Filter Feed Pump Control System Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and, best practices dictate decoupling controls from other distinct process systems for reliability. Add new SCADA View to the existing platform. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	224,130	224,130	224,130
Complete	8035	Chlorination Control System Upgrade	Combine w/CIP #8017; Existing PLC-5 equipment is aging and not up to latest Automation Standards and best practices dictate decoupling controls from other distinct process systems for reliability. Includes programming needed to decouple existing scheme and enhance new controls. Construction completed as a CCO to ASA and CCO funds deleted from this project.	-	185,478	185,479	185,479
Complete	9007	Industrial Roll-up Doors for Warehouse	Combine with CIP #9132. Project complete	21,700	19,664	19,664	19,664
Complete	9077	Engine Generator #4 Complete Rebuild	Rebuild top end (valve job and associated parts; needed every 20,000 hrs) and lower end (cam shaft, main and rod bearings, rods, pistons and liners and ancillary parts and pieces; needed every 40,000 hrs).	561,000	246,213	246,212	246,212
Complete	9098	Shipping and Receiving Trailer	Combine with CIP #9132. Project complete	34,700	-	-	-
Complete	9119	RAS Discharge Line 36" Butterfly Valve Replacement	Project Completed w/CIP #8017; Replace existing 36-inch butterfly valve with a knife gate valve to resolve ragging problem.	143,200	-	-	-
Complete	9132	Storage and Purchasing Warehouse	Construct a new warehouse for secure storage of supplies, material, and equipment. Construct offices for Purchasing department staff. Replace existing warehouse siding and skylights. Install two new roll-up doors and one double door.	430,700	994,655	1,001,862	1,001,862
Complete	9150	Odor & Corrosion Control Program - General Support	Work completed to date satisfactory for moving forward. Provides support and funding for general requirements of projects contained within the Odor & Corrosion Control Program.	-	100,000	75,450	75,450
Complete	9153	High Pressure Pump Safety Cutout Switch Replacement	Work completed in-house. Project Complete.	28,700	11,233	11,233	-
Complete	9161	Digester #3 Cleaning	Combine w/CIP #9012; Clean Digester #3 to facilitate effective solids treatment and provide access for Digester #3 Rehabilitation and Upgrade project (CIP 9012). Includes purging of Digester #1, screened transfer of contents from Digester #3 to Digester #1, and disposal of screenings and Digester #3 residual contents.	-	-	-	-
Complete	9162	Digester Mix System Improvements	Combine w/CIP #9012; Replace three existing Digester Mixing Pumps with three screw centrifugal pumps and one spare to improve pumping and digester operation and reduce maintenance. The work is included with the Digester #3 Rehabilitation and Upgrade Project (CIP 9012).	-	-	-	-
Complete	9166	Digestion System Enhancements	Combine w/CIP #8021 and transfer budget. Upgrade existing digestion system to allow enhanced operation with three primary digesters in service. Enhancements include a third heat exchanger and replacement of the aging sludge recirculation pumps for all three digesters.	-	-	-	-
Complete	9182	Property Acquisition	Per Engin 7/16, Transfer costs to Proj 264	-	2,540,000	2,540,000	-
Complete	9191	Cathodic Protection at WWTP	This project replaces the worn out Plant rectifier for cathodic protection on the influent and effluent pipes. Delete project from CIP; work done in house.	-	130,000	-	-
Complete	9201	Dimminutor procurement and installation	Purchase and install 2 dimminutors for each MPPS and SCPS. Purchase 1 spare for emergency installation. Budget allocated out of 9152	-	334,814	374,323	374,442
Complete	9203	Central Chillers Replacement	Existing Chillers 1 and 2 are undersized and have reached the end of their useful lives and provide no redundancy. Chiller #1 has stopped functioning and is no longer serviceable. This project replaces the two chillers with three new chillers, providing one for redundancy and greatly enhancing reliability. Budget allocated out of 9152	-	996,448	1,109,003	1,109,003
Complete	9204	MPPS Concrete Repair	Severe corrosion and spalling concrete have been witnessed at the Menlo Park Pump Station, compromising the integrity of the structure and posing a safety hazard to SBSA Utility Workers. This project will also remove the chemical storage tanks, piping, and pumps that are no longer used. Budget allocated out of 9152	-	68,155	68,155	68,155
Complete	9211	Secondary Clarifier 6" Water Line Replacement	Replace the 6-inch water line situated on the eastern wall of the secondary clarifiers under the Activated Sludge Automation project. Project pulled from CIP #9152.	-	70,000	59,496	59,496
Complete	9213	Area Lighting	Replacement of Plant area lighting to LED lights by in-house staff and broken out from CIP #9152.	-	56,000	55,547	68,415

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

30-Jan-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 December 2016
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	\$137,312,790

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

30-Jan-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 December 2016
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	9,600,270
Constr	7012	Pump Stations Processor Upgrade & T-1 Transition for Primary Communications	Install new PLC processors for existing Pump Station Controls	-	-	\$ 298,151	86,698
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	5,902,229
Constr	8018	Gravity Thickener Process Automation	Install basic PLC and Communication equipment, conduit and primary sensing devices in thickener area. Part of SPA project.	2,105,800	4,285,314	\$ 6,223,412	7,330,101
Constr	8021	Anaerobic Digestion Process Automation	Automate digester process. Part of SPA project.	2,589,600	8,882,096	\$ 9,535,154	7,383,293
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	115,372
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	3,368,349
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	613,421
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 flights; one tank every 2 years.	1,929,100	1,929,100	\$ 4,309,732	1,985,973
Constr	9096	Plant Architectural Painting	Plant-wide painting including pumps, piping, equipment and structures. Painting necessary to prevent corrosion & for longevity of Plant's assets.	1,564,900	1,564,900	\$ 1,813,307	388,692
Constr	9118	SCADA Integration with Integrated Business Management System	Information Management System and SCADA to be tied together for asset management and maintenance scheduling.	481,000	2,168,560	\$ 2,458,093	2,023,458
Constr	9128	PST 3 & 4 Protective Coatings	Complete with 9080 - PST Collector System Replacement	714,150	714,150	\$ 2,869,160	1,617,608
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	1,231,444
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 enhancements outlined in Security Document; conjoin with capital improvements as they are being implemented.	-	1,920,000	\$ 1,165,990	526,952
Constr	9188	DMF Underdrain Access Hatches	There is no access point to the DMF underdrains. This project will provide such access.	-	105,600	\$ 116,871	2,307
Constr	9214	Alternate Bisulfite Injection Point	Provide an alternate bisulfite injection point in order to reduce the chance of permit violation	-	423,660	\$ 457,631	10,519
Constr	9222	Dual Media Filters 6A and 6B	Construct two new Dual Media Filters and associated valves and piping. Work is being performed as a CCO by ERS.	-	3,452,571	\$ 2,053,201	567,890
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	486,309
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	792,167
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	6,475,452
TOTALS - PROJECTS IN CONSTRUCTION				\$ 26,520,850	\$ 57,118,423	\$ 75,997,343	\$ 60,507,570

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

30-Jan-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 December 2016
Planning	6004	Flow Equalization Facility	Build wet weather and diurnal storage facilities on plant property	\$8,981,300	\$28,600,000	\$ 18,171,592	594,260
Planning	6006	Conveyance System CEQA	Project Development, CEQA, and Planning for the Conveyance System Project Elements	-	839,000	\$ 5,100,580	3,741,561
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	9,165,826
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	204,388
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	490,627
Planning	6014	Influent Connector Pipe	Install new pipeline that connects headworks process to current plant influent.	-	-	\$ 9,081,206	425,174
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	123,607
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	2,959,998
Planning	7008	Belmont Pump Station Rehabilitation	The existing pump station is at the end of its useful life. This project will replace the pump station equipment at the same location with details to be identified upon completion of the Conveyance System Program planning under Alternative 4BE. In the interim, until new pump station is constructed or deemed unnecessary, this project will fund necessary maintenance.	14,872,000	-	\$ 10,106,624	6,458
Planning	7009	Pump Stations Program - General Support	Provide general support to the Program Manager and in support of the overall pump station program.	-	400,000	\$ 426,505	162,104
Planning	7011	Belmont Force Main	Construct Pipeline between Belmont Pump Station and San Carlos Pump Station location.	-	22,022,000	\$ 3,308,933	296,339
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	4,010,534
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	87,284
Planning	9120	RAS Pump Suction Pipe Replacement	Slip-line the in-slab pipe. The high content of solids in sludge piping wears the pipe out over time; the RAS piping is thin due to the continued abrasion of the sludge transported through it.	511,800	311,800	\$ 362,864	32,962
Planning	9144	Solids Handling Program - General Support	Project provides support and funding for general requirements of projects contained within the Solids Handling Program through the life of the CIP.	-	100,000	\$ 137,681	240,574
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	814,279
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
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)

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

30-Jan-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 December 2016
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	134,399
Design	9168	Thickening Improvements - Phase I	Rehabilitate Thickeners 2 and 3	-	2,808,000	\$ 1,448,690	69,680
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	31,302
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	593,835
TOTALS - PROJECTS IN PLANNING & DESIGN				\$66,849,800	\$197,244,395	\$461,274,545	\$25,527,134

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**

30-Jan-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 December 2016
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	102,606
Project On Hold	9400	Nutrient Removal	Placeholder for facilities required to remove nutrients (nitrogen and phosphorous) to meet future regulations.	-	-	103,636,229	649,490
Project Not Started	8045	System Integrate: Pump Station Security into WWTP Controls	This project is for the system integration of the pump stations' security systems into the WWTP control system. The project budget assumes 1) that all the security costs associated with specific pump station design and installation of equipment will be included in specific pump station rehabilitation projects and 2) the costs for security control equipment at the WWTP is included in new CIP #9177.	-	150,000	175,146	-
Project Not Started	9041	Underground Fuel Tank Replacement	Future Underground Storage Tank regulations may require removal of this tank. Remove 15,000 gallon underground fuel (diesel) tank and replace with a tank that meets regulatory requirements when necessary. Electrical costs include conduit and wiring for new underground tank leak detection equipment necessitated by moving the tank.	458,000	458,000	534,779	-
Project Not Started	9084	Seismic Upgrade - DMF 42" Effluent Piping	Install lateral bracing on the DMF 42" effluent piping. (Seismic Improvement Program No. P14).	167,300	167,300	195,346	-
Project Not Started	9093	Headworks Odor Control	Cover grating and open areas, treat odorous air.	929,500	929,500	1,085,321	-
Project Not Started	9094	Thickener Overflow Line Butterfly Valve Replacement	The butterfly valve is worn and no longer working as it is intended.	28,300	28,300	-	-
Project Not Started	9171	Interior Coating of Horizontal Influent 24" Mix Pipes for Digester 3	The Horizontal 24" Mix Pipe Lines were inspected in 2009 and minimal reduction in pipe thickness was noted and the pipes were placed back into service. It was noted that the coating was peeling off in places so this project will inspect the pipes next time the digesters are taken down for maintenance and replace interior coating and corroded piping as needed. Digester 2 piping replaced under CIP #9095. D1 piping to be included with CIP #9215, Digester 1 Rehabilitation. D3 piping remains to be replaced.	-	100,000	116,764	-
Project Not Started	9172	Thickening Improvements - Phase II	Gravity Belt Thickeners were installed under CIP #8018, Thickening Automation in 2014-2015. If and when flows and loadings increase, Phase II will install one or more GBTs. This is a project placeholder and not currently funded.	-	2,808,000	-	-
Project Not Started	9173	Dewatering and Solids Handling Improvements - Phase III	Implement the dewatering improvements recommended by the Biosolids Master Plan, including installation of a fourth rotary press.	-	1,123,200	1,311,493	-
Project Not Started	9174	Digester Supernatant Piping Upgrades	The existing supernatant piping only allows for 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.	-	-	-	-
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

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

30-Jan-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 December 2016
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	452,062
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	61,155
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	300,686
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	81,054
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	79,801
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	\$4,888,461

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

Commissioners' Requested Action Items
Last Update: 1/27/2017

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
1/12/2017	1	CalPERS actions on performance pay	NA		✓			Inform all persons who received the CalPers letters apprised of what actions the Commission is taking on their behalf
	2	SVCW Financial Reports	2/9/2017		✓		Implemented	Send warrant registers for review by Commissioners via email prior to Commission meeting they will approve them at. Do not send hard copies with agenda packet.
	3	SRF Funding	<1/30/2017			✓	1/19/2017	Send the letter from Commission to state legislatures for SRF funding prior to Jan 30th meeting w/SWRCB
	4	Long Term Financial Plan	2/9/2017		✓			Add statement to LRFP re: debt and generational equity; a statement re: debt interest due to not having \$ for pay-as-you-go.
	5	CIP Funding	Spring 2017		✓			Present a recommendation to Commission re: timing for bond issuance.
12/8/2016	1	Prepare discussion re: financing the CIP (bonds/no bonds)	1/12/2017			✓	1/12/2017	Preliminary discussion with LRFP presentation in January
11/10/2016	1	Discuss 2017 Commission Meeting Dates	12/8/2016			✓	12/9/2016	Commissioners confirmed meeting dates.
	2	Conveyance System DEIR	>12/8/2016		✓			Presentation provided at December Commission meeting; no additional meeting needed until FEIR. Staff to report at each Commission meeting comments received during the 45-day comment period. Ensure drafters of EIR are present at FEIR meeting in April.
	3	Investment Report	12/8/2016			✓	12/8/2016	Ensure numbers in report tie in to front page numbers.
10/13/2016	1	IT System Shut-down of October 17th	10/14/2016			✓	10/14/2016	Notify public of planned IT shutdown via website.
	2	Conveyance System DEIR	>12/8/2016			✓		See discussion under 11/10/2016 above.
	3	SRF Funding Availability	January or February			✓	1/19/2017	Letter to State legislators and SWRCB advocating CA issuing more bonds to fund the SRF program drafted and presented to Commission. Letter sent mid-January.
	4	Conveyance System Commission sub-committee	NA			✓	11/7/2016	Subcommittee (Lieberman and Moritz) met on Nov 7 to discuss conveyance system progress.
	5	Greendale property construction progress	6/30/2017		✓			Report on construction progress from Manager.
9/8/2016	1	Job Classification and Total Compensation Study	1/31/2017		✓			Upon FY16/17, kickoff meeting occurred and work is proceeding. Report expected to be complete early 2017.
	2	Control Building HVAC System	NA		✓			Seek damages recovery from Architect of Record
	3	JPA re-write: prepare RFP and concurrently reach out to Legal Counsels of each member agency.	NA		✓			Staff is working with legal counsel to identify base issues for consideration and hiring of special counsel to facilitate the re-write.

Siicon Valley Clean Water

AGENDA ITEM 5E
FEBRUARY 9, 2017

Commissioners' Requested Action Items
Last Update: 1/27/2017

Commission Meeting Date		Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
	4	Connection Fees	NA		✓			Additional plant capacity evaluation is underway to ensure proper flow numbers are used in the calculations.
8/18/2016	1	SCBS Ratify Emergency Condition - Valve Replacement	NA			✓	12/8/2016	Reported in December the emergency condition has been alleviated.
7/14/2016		No new items at this meeting						
6/9/2016	1	Contract Change Orders	NA	✓			8/18/2016	When there is a change in contract amount, note % increase over original contract amounts; began at August meeting.
	2	MOU Negotiations	NA		✓		NA	When MOU negotiations occur, present status updates to the Commission - anticipated in late 2017/early 2018.
5/12/2016	1	Consider a Press Release for APWA award received	NA			✓		Determined to not address at this time.
	2	Cost Delta for SRF vs no SRF	8/18/2016			✓	7/14/2016	Part of Risk Assessment analysis. Will be an ongoing report at future Commission meetings
	3	Vendor Gifts	10/13/2016			✓	11/10/2016	Draft policy provided at October meeting. Action item to be added to November meeting.
4/14/2016	1	Change to descriptive minutes from Commission meetings	5/5/2016			✓	5/5/2106	Descriptive minutes began for April meeting and was provided with May meeting agenda; minutes approved in May.
	2	Present increase to reserves by \$1M	8/18/2016			✓		Determined by SVCW CFO to not proceed with increase at this time.
	3	Perform risk analysis by independent consultant for conveyance system	7/14/2016			✓	7/14/2016	PO approved for Exponent to complete risk assessment at May meeting. Results reported at July meeting.
	4	Cogeneration Gas Conditioning	NA			✓		Cogen engines back online as of late April 2016.
3/10/2016	1	Conveyance System Program - Report out on public comments received through Public Scoping period	4/14/2016			✓	4/7/2016	Summary complete and included as Item 8B on April 14, 2016 Commission meeting
	2	Review policy re: gifts received from vendors	5/12/2016			✓	5/12/2016	Item discussed at May meeting; see notes above.
2/11/2016	1	File Retention Policy change	3/10/2016			✓	3/3/2016	Change retention period for Comission meeting recordings to match minutes
	2	Engineering Monthly Report changes	2 months+/-			✓	3/10/2016	Add project budgets and actual spend on completed as well as active projects
	3	BioForce Tech project status	3/10/2016			✓	3/10/2016	Provide status update to Bob Grassilli (can be separate and direct memo)
	4	FOG Station	3/10/2016			✓	3/10/2016	Provide information on grease receiving rates within the Bay Area (memo to the Commission; no action)

**MINUTES OF SILICON VALLEY CLEAN WATER
SPECIAL MEETING – JANUARY 12, 2017**

ITEM 1

CALL TO ORDER

The meeting was called to order at 8:02 a.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 President Edward Moritz, West Bay Sanitary District - Member

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

Monte Hamamoto, SVCW Wastewater Superintendent

Matt Anderson, SVCW Chief Financial Officer

Linda Bruemmer, SVCW Administrative Services Director

Jennifer Flick, SVCW HR Manager

Kim Hackett, SVCW Engineering Director

Bill Bryan, SVCW Senior Engineer

Bruce Burnworth, SVCW Senior Engineer

Arvind Akela, SVCW Senior Engineer

Cindy Hui, SVCW Financial Analyst

Jeff Hubbard, SVCW CIP Manager

Ilana Schmidt, SVCW Administrative Assistant

Jay Walter, City of San Carlos

George Otte, West Bay Sanitary District

Bill Tanner, Tanner Pacific, Inc.

Charlie Joyce, Brown and Caldwell

Carolyn Kerans, City of Redwood City

Ken Kaufman, SVCW Retiree

Kathy Suter, SVCW Retiree

Fred Gerke, SVCW Retiree

Mike Fazio, SVCW Retiree

ITEM 3

PLEDGE OF ALLEGIANCE

Mr. Lieberman led those attending the meeting in the recital of the Pledge of Allegiance.

ITEM 4
PUBLIC COMMENT

Mr. Seybert began the meeting by stating that there were some members of the public who wished to address the Commission and reminded them they were allowed approximately 3 minutes for their individual statements.

Mr. Ken Kaufman began by stating that he has lived in the SVCW service area for 29 years. He was an employee of SVCW for over 30 years while holding several positions and was a management employee most of that time. He then gave a brief history of the Performance Pay Program for management employees explaining that Performance Pay was developed in 2002 to address the concerns of one or more Commissioners.

According to Mr. Kaufman, the Commission at the time was concerned that management employees would reach the top of their salary range, stop performing at a high level and collect the COLA increase each year. The Commission wanted a change in salary structure to provide monetary incentive to encourage management employees to perform at a high level. The former Authority Manager, with Commission approval, created the program called Performance Pay. Management employees were told that Performance Pay was CalPERS eligible and would count toward their pension calculations, and they have paid CalPERS contribution on it when they received it. It was understood that it was a plan to keep the management staff achieving goals and working at maximum levels.

The management staff felt that the Commission had always been fair and reasonable in their approach to the Management Group so the new salary structure was accepted. In 2003, the first Performance payment appeared in their paychecks. Payroll deducted seven percent (7%) of the Performance Pay to make the pension contribution to CalPERS. The Agency also contributed a percentage to CalPERS. These pension contributions have continued through the years.

Additionally, Mr. Kaufman stated that for the next ten (10) years, he made retirement decisions assuming his total salary was "PERSable." That was the term that was used. Therefore, he contributed less to Supplemental Retirement Plans such as IRA's and the Agency's 457 Plan. While his decision to retire was complex, his foremost concern was whether his pension was adequate to pay his expenses throughout his remaining lifetime. He didn't want to outlive his resources. At the end of 2012, he believed that his pension would be sufficient and he chose to retire.

Two weeks ago, he received a letter from CalPERS stating that Performance Plan income would be excluded from pension calculations. Twelve (12) other retirees received the same letter. While he is still sorting out the details, he can see that this will have significant impact in his life. This is a huge issue for him and the other retirees. Many of the retirees would have delayed retirement a few years and approached their financial planning differently.

Since the Commission will be addressing this topic later this morning in Closed Session. Mr. Kaufman hoped that the Commission would take time to view the situation from the

retirees' perspective and find a way to treat them with the same fair and reasonable approach they have in the past.

Mr. Seybert next recognized Mr. Fred Gerke.

Mr. Gerke stated he did not have a specific statement to make, but rather attended the meeting to show support for his fellow retirees. In addition, he thanked the Commission for making time to listen to the retirees and hopes the issue will be settled timely and in a fair manner.

Mrs. Kathy Suter commented that it was a shock to her to receive the letter from CalPERS, especially right before Christmas and that the tone of the letter was offensive to her. She has been retired for eight (8) years and is experiencing other strains on her financial resources. In addition, she wanted the Commission to know that she gave her all to her job and she really enjoyed her time working at SVCW.

Mr. Seybert then indicated that he wanted to make a couple of general comments about this subject. First, he apologized on behalf of CalPERS and indicated that he had dealt with CalPERS in the past. In addition, he stated that this situation has nothing to do with SVCW's gratefulness towards those who had worked for the Authority and thanked all the retirees for their service and stated that the Commission will do everything in their power to correct this situation.

Mr. Seybert asked Mrs. Bruemmer to act as the point person for communications between the Commission and the retirees concerning this issue.

Mr. Seybert wanted to know, in view of the letter, if the payments from CalPERS will be reduced immediately because of this letter or if there is a way to "stay" their actions. Ms. Fitzgerald told the Commissioners that she will research the question and provide them a legal opinion letter prior to the next Commission Meeting.

Mr. Mike Fazio, another retired SVCW employee in attendance, responded that payments have not gone down yet, but the intent of the letter was to do so and that there was also the possibility that CalPERS would want to be reimbursed for payments already made.

ITEM 5A SAFETY MOMENT

Mr. Child presented the Safety Moment on ATM card safety. He recommended using ATM's during daylight hours and when using one at night, make sure the area is well lit.

ITEM 5B MANAGER'S REPORT

Mr. Child began by stating that SVCW is holding its Annual Employee Recognition Event and extended an invitation to the Commissioners, including soon to be Commissioner George Otte, to attend the brunch event at 10:00 a.m. on February 1st.

Last month Mr. Child mentioned that the Commission might need a Closed Session to discuss the Bay Area Air Quality Management District concerning permit issues. During the last couple of weeks, SVCW has been negotiating with them and may be able to avoid a legal struggle.

The Commission also asked about the status of the CEQA comments. The CEQA period ends on January 13th at 5:00 p.m. To-date, SVCW received three (3) email comments and one (1) letter (from the Audubon Society).

Mr. Child continued his report by requesting that the October 12, 2017, Commission meeting be moved to October 5, 2017. The Commission agreed to change the meeting date to October 5, 2017.

The final item of the Manager's Report was a handout showing a recap of storm events for the last week. SVCW did extremely well. The day before yesterday, January 10, 2017, SVCW had the highest total daily flow ever recorded - 50.7 million gallons (MGD) of water was treated by the treatment plant, which is rated for 29 million gallons. Peak flow reached 89.3 MGD, plus just over 10 MGD was diverted to the FEF, totaling a peak recorded flow of approximately 100 MGD in the system. This confirms the anticipated volume being used for the CIP, as 107 Million gallons is the expected peak flow over the twenty (20) year study period. The fact that the Agency was able to document and manage 100 MGD in the system is not only a high achievement for the Operations and Maintenance staff, but also provides significant data for the Engineering Group to use in the design of the upcoming CIP work.

The recap also indicates SVCW's flow meters were maxed out. The meters literally hit their top and it is not only possible, but highly likely, that more water was actually in the system. Since the meters were topped out, there is no way to measure the exact amount. Mr. Child also pointed out that every member entity significantly exceeded their JPA flow limits at one time or the other during the storms, but SVCW staff did everything in their power to keep the system running and the water in the pipes!

These were very challenging days, but the good news is due to the automation work being done at the Plant, there was a decrease in the amount of staff needed. Rather than seven (7) or more people working during a storm event in the Operations Group, there were only two (2). Operators were able to sit at the Control Panel and open and close valves. In prior years, an Operator would have to send someone out to operate a valve or make a change. It was the same situation at the Pump Stations. Typically Redwood City Pump Station would hit a 150 inch wet well level. Due to a Redwood City pipe project crossing Highway 101, there is a need to keep the water level under 125 inches. During these storm events, the maximum measured level was only 77 inches.

The Plant experienced some challenges because of a power loss right in the middle of the storm and when the power came back on, it zapped one of the control units. This created a situation that if the power had gone out again, there would not of been access to back-up power. SVCW Electricians and instrumentation personnel responded immediately and within forty-five (45) minutes they had the situation corrected. Mr. Child stated that he wanted to publicly thank the entire SVCW staff for what was an incredible effort and show

of dedication to get through these storms, treat this amount of water and not violate any discharge requirements.

Mr. Child concluded his report by saying that the handout would be distributed to all the Technical Committee members as well.

Mr. Lieberman asked if when power is lost does that mean equipment had to be manually operated. Mr. Child responded that when power is lost, it takes a couple of minutes but everything is supposed to be automatic. When the power goes off, the standby emergency generators come on. It takes a couple of minutes for the generators to kick in and everything to transfer over. If for some reason, some equipment doesn't start back up, an Operator will physically go out and verify the situation and if appropriate, manually start the piece of equipment. This time, what caused an unusual situation is that when the PG&E power came back on, a control module on one of the standby generators decided to revert back to the factory settings rather than to the previously configured SVCW specific settings.

Mr. Lieberman asked if the power had gone out again before staff fixed that, what would have happened. Mr. Child stated that water from the Pump Stations would continue to come into the Plant and depending on the flow rate, all the tanks (before they hit the pumps) would fill up and eventually sewage would start spilling out of the top of the tanks.

Mr. Lieberman then asked if power was lost again and should this switch go out, would staff be able to make a quicker response. Mr. Child informed him that as of yesterday, 2 of the 3 stand-by emergency generators could be manually started. Unfortunately, when it comes to automation bugs, one doesn't know they exist until they happen and he could not honestly answer that question as until it happens, you just really do not know.

Mr. Lieberman commented that now, at least, staff has learned something from this situation. Mr. Child responded that with lessons learned, Wastewater Superintendent Monte Hamamoto, Consultants Chuck Fenton and Kip Edgley, along with SVCW's electrical and instrumentation staff are evaluating what happened, checking systems and putting in improvements to reduce the risk of it happening again.

Mr. Lieberman asked how Mr. Child would categorize this storm event. Would it be something like 1 out of a 10 year event, 1 out of 3 or 1 out of 50 year event and how intense was the amount of rainfall that was received? Mr. Child responded that the previous record was 48.5 million gallons and that occurred in 1996, so roughly twenty (20) years ago, with some other years pushing up closely against them. It was very intense and rainfall reports in the service area varied between 3 inches in San Carlos and Belmont to over 4.75 inches in Menlo Park.

Mr. Lieberman commented that he felt the main message, relative to past occurrences, was that the amount of rainfall that occurred on this occasion was probably as much as or more than occurred on other occasions.

Mr. Child concurred that it was definitely a big storm, but the real secret which he had to explain to some employees, was that with a big rainstorm at the beginning of the rainy season, it just runs off or starts to put moisture back in the ground, but right now the ground

is saturated, so when an inch of water falls on the top of the ground, it pushes an inch of water out the bottom and that water will find a place to go. There have been so many really "perfect" storms this year that have saturated the ground and when a big storm like this hits, it pushes all that water into the systems.

In summary, Mr. Lieberman stated that this storm pushed the system, maybe not to its absolute limits, and impressed SVCW got through it. Mr. Child concurred, and added pushing 89 million gallons through the Plant, is a truly incredible feat. The highest number known before was just over 70 million gallons and again praised the SVCW staff for their efforts.

Mr. Moritz asked about the battery packs (Uninterruptible Power Supplies) that support the automation system and networks computers. He noted they were still being worked on as part of an Emergency Declaration. Did the system work as needed?

Mr. Child responded that they actually worked well. There were a few glitches but for the most part because of the battery back-ups, the SCADA System stayed up the whole time. In addition SVCW has an Engineer on staff whose job is to basically focus on energy issues. SVCW is developing more energy alternatives to keep costs down and in addition, give even more dependable power.

ITEM 5C

FINANCIAL REPORTS

There were no questions on the Financial Reports.

ITEM 6

MATTERS OF COMMISSION MEMBER'S INTEREST

Commissioner Moritz announced that starting in February, Mr. George S. Otte will take his place on the Commission and Mr. Moritz will serve as Mr. Otte's alternate. Since Mr. Otte will be on vacation in Europe on October 5th, Mr. Moritz will be filling in for him at that meeting.

Mr. Moritz stated that he felt compelled to inform the Commission that West Bay has had a project going for the past two (2) years to build a recycled water treatment facility and the first user of that recycled water will be the Sharon Heights Golf Club.

In addition, West Bay has plans to commence a study to do a similar project at their old treatment plant site that is now being used as the Flow Equalization Facility by SVCW. The current project is their first effort and if successful, they are planning to do the second project in what West Bay calls the "Facebook Area". This will be in the area that is their industrial area and relates to high users.

He continued by stating that West Bay has had an environmental report out and they thought their closure date had past. LAFCO had reopened the environmental report and a letter was received from Silicon Valley Clean Water questioning a number of items on the report which was a concern for West Bay's Board.

He continued by pointing out the problem with using letters as opposed to phone calls. Rather than calling up and asking questions, West Bay had to respond to each one of those issues. The West Bay Board's consensus was that the questions were poorly thought out and could have easily been taken care of. In this situation a consultant was hired and money was spent to address the issues. On top of that, SVCW's letter was then sent, by LAFCO, to Portola Valley which is one of the sources of water that West Bay is going to use.

Because of the letter, the Portola Valley Manager wanted to know about their rights to the water. That resulted in their lawyer calling West Bay's lawyer and spending an hour of time on the phone. At the end of that conversation, the Portola Valley Manager, the lawyers and the city official in charge of facilities were all fine with the project. However, there are other items that will cost money. Mr. Moritz implored SVCW, that in the future, please pick up the phone. Member agencies are partners and other projects are going to come along. If questions arise or there is no response, Mr. Moritz asked that SVCW please let him or Mr. Otte know about it.

Mr. Child responded by saying that there was nothing in the letter not previously discussed with Mr. Scott, West Bay's District Manager. In addition, this all started because LAFCO contacted him and asked if SVCW was okay with the project. SVCW was not contacted as a "Responsible Agency" as part of West Bay's original CEQA process and didn't want to miss the opportunity a second time to note items that affected SVCW in the project. Mr. Child did not feel that this would have come as a surprise to Mr. Scott, however, looking back, Mr. Child now realizes Mr. Scott should have been "copied" on the letter and apologized for the omission.

When SVCW received a call from Portola Valley, staff advised them that they should have their attorney get with West Bay's attorney because SVCW should not be in the middle of this. Mr. Child didn't feel there was anything in the letter that would or should stop or hurt the project, but it is going to protect West Bay in the long run because those questions will now be answered, where they were not in the past. Mr. Child again apologized for not notifying Mr. Scott and indicated it would not happen again.

Mr. Seybert added that a response in an official CEQA process should always be documented in writing, not a phone call. If he found out that an official CEQA response had been given by means of a phone call, he would have been upset because fifteen years from now, an agency would want a written record of the CEQA questions and responses.

ITEM 7

CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

Commissioner Grassilli asked about the new format for approving Warrant Registers under the Consent Calendar.

Mr. Child pointed out that it has always bothered him that the Commission did not officially approve SVCW expenditures and this is a way the Commission would have the opportunity to review and approve the checks written for purchases made by SVCW.

After considerable discussion, the Commission agreed, that in the future, SVCW staff will email the Warrant Registers to the Commissioners for review when they are produced, and approval will be an item on the Consent Calendar of the following meeting agenda for Commission approval.

As an aside, Mr. Moritz stated he is delighted that SVCW is processing recycled water especially during California's current drought situation.

Motion/Second: Mr. Moritz / Mr. Grassilli

The motion carried by unanimous roll call vote.

ITEM 8A

CONSIDERATION OF RESOLUTION AWARDING CONTRACT DOCUMENTS AND AUTHORIZING PURCHASE OF VALVES AND EXPANSION JOINTS FOR THE PUMP STATION VALVE REPLACEMENT PROJECT – CAPITAL PROJECTS #262 AND #263

Ms. Herrera explained that this item was for procuring valves and expansion joints for two (2) pump stations – Menlo Park and Redwood City. She then showed pictures of what the valves and expansion joints look like.

The first picture was from the Menlo Park Pump Station showing where SVCW is replacing seventeen (17) valves and five (5) expansion joints. At the Redwood City Pump Station, twelve (12) valves and five (5) expansion joints are being replaced. Of the total cost of \$391,000.00, approximately sixty-five percent (65%) of the cost is for the equipment at Menlo Park. This is a revenue funded capital project (Fund 14) with a budget of \$927,000.00 for these two pump stations. The remaining budget will be used to cover the cost of the installation contract. The installation contract will be presented for approval at the April Commission meeting. Next Fiscal Year's budget will include funding for replacement of valves and expansion joints at both the San Carlos and Belmont Pump stations.

Mr. Grassilli asked if the valves would be replaced every twenty-five to thirty years.

Ms. Herrera responded that the valves typically have a twenty (20) year lifespan, though in this case, they will no longer be needed when the Pump Stations are replaced in about eight (8) years.

Motion/Second: Mr. Grassilli / Mr. Lieberman

Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS AND PURCHASE OF VALVES AND EXPANSION JOINTS FOR THE PUMP STATION VALVE REPLACEMENT PROJECT (CAPITAL PROJECTS #262 AND #263), DECLARING AND ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER FOR SAID MATERIALS, REJECTING ALL OTHER BIDS, AUTHORIZING AND DIRECTING EXECUTION OF CONTRACT FOR PURCHASE OF SAID MATERIALS AND DIRECTING RETURN OF BID SECURITY UPON EXECUTION OF CONTRACT BY LOWEST RESPONSIBLE BIDDER – (\$391,993.63) – ALL WEST EQUIPMENT, DBA FRANK OLSEN COMPANY

The resolution carried by unanimous roll call vote.

ITEM 8B

CONSIDERATION OF MOTIONS APPROVING TASK ORDER AMENDMENTS FOR THE CONVEYANCE SYSTEM PROGRAM

Ms. Herrera began the discussion by stating that an informational report on the Conveyance System was given at last month's meeting and the Commission provided direction to staff to begin the process of utilizing an alternative construction delivery method (such as Progressive Design/Build) for construction of appropriate projects related to the Capital Improvement Program. Since then, staff members have met with two consultants to negotiate the Scope of Work to develop Requests for Qualifications (RFQ) and Requests for Proposals (RFP) for firms capable of meeting the Authority's alternative construction delivery method goals. These two firms are anticipated to act as SVCW's Owner's Engineering Advisors (OEA) for various projects. The initial role of an OEA is to assist SVCW staff in the development and evaluation of the RFQ and RFP process.

The Task Order Motions before the Commission are for Kennedy/Jenks for the gravity pipeline related projects, including the shaft and tunnel, and for Brown and Caldwell for the Receiving Lift Station, headworks and influent connector pipeline related projects.

In the next month or two, SVCW staff anticipates bringing Task Orders to the Commission for Freyer & Laureta for other projects related to the construction of the conveyance system. In the past CDM Smith did planning work for SVCW on the headworks and the influent connector pipeline, but they have chosen to propose as a design/build entity and, therefore, their work on these projects as a design firm or as an OEA has stopped to avoid any potential conflict of interest related to the work. CDM Smith has both an engineering arm and a construction arm that have considerable experience in design/build projects and because of this they have chosen to participate as a potential design/build firm in the future.

For the record, Mr. Grassilli stated that the reason this is being done, using the OEA firms, is because the program is so large. It is not done for every project. Though it seems like an additional cost, the support and extra money is needed because of the size and scope of the conveyance system program in whole.

Mr. Child agreed and added that the reason for these Task Orders is because SVCW is embarking on its first, and also extremely large and complicated, alternative construction delivery method program. Several SVCW staff members have various experiences with design/build from both the owner and design/build firm side of the project. SVCW as an organization, however, has not done design/build previously and staff needs assistance to insure it is done properly.

Mr. Seybert questioned what is the role, if any, of Staff Engineers with regard to these projects?

Mr. Child responded that SVCW's Staff Engineers remain the Project Managers and these firms are there solely to advise and help them work through the process and, in fact, years

ago the Commission directed that all Project Managers must be SVCW employees and that the role would not be turned over to consultants.

In summary, Mr. Seybert said that these firms are going to influence as well as take direction from SVCW staff to which Mr. Child and Ms. Herrera both concurred that is the case.

Mr. Seybert further commented that typically if he worked for the owner that is doing the building, he's the owner representative and going to make sure their interests are being carried out by the Consultants who actually consult back and forth and who would eventually manage the design/build process.

Ms. Herrera replied that in SVCW's case, the owner is the Commission, Mr. Child and herself and then the Project Managers. These firms will work directly for the Project Managers. In addition, there will be legal staff under Ms. Fitzgerald working as part of the team, as well as some acquisition staff.

Mr. Seybert asked how many people will be working on this for Kennedy/Jenks for the \$314,000.00 and was he correct in assuming that if these people were brought on staff, this number would increase.

Mr. Minkowski, from Kennedy Jenks Consultants responded that approximately ten (10) people would be working on this project with various levels of time commitments. Mr. Child confirmed that SVCW could not hire the personnel to do this work for less money and in the timeframe needed as compared to the budget for the proposed work with the named consultants.

Motion/Second: Mr. Grassilli / Mr. Moritz

- i. Move approval of AMENDMENT 1 TO TASK ORDER 2016-11 SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE GRAVITY PIPELINE PROJECT (CIP #6008 AND 6004) IN AN AMOUNT NOT TO EXCEED \$314,092 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY/JENKS
- ii. Move approval of AMENDMENT 1 TO TASK ORDER 2016-11 SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE RECEIVING LIFT STATION, HEADWORKS, AND INFLUENT CONNECTOR PIPELINE PROJECTS (CIP #6013, 6014, and 9160) IN AN AMOUNT NOT TO EXCEED \$451,435 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL

The motions carried by unanimous roll call vote.

ITEM 8C

CONSIDERATION OF MOTION TO RECEIVE AND ACCEPT SILICON VALLEY CLEAN WATER'S LONG RANGE FINANCIAL PLAN UPDATE

Mr. Anderson reported it has been a year since the last update of SVCW's Long Range Financial Plan (The Plan). The Plan informs the Commission of what the cash flow requirements are anticipated to be for the next decade. This planning document provides critical information for the rate setting process. Mr. Anderson added the report is customized to incorporate basic foundations of budgets, the Joint Powers Agreement and the Capital Improvement Program's (CIP) key pieces of information. This information was also used to build the financial model built and presented to the Commission.

Mr. Anderson said there were three key changes this year identified in the Staff Report. First, is the timing of the CIP. Over the last year, there has been a shift in the original plan since the last update in 2015. In addition, the Agency is now looking at nearly \$400 million dollars that will be deferred from years one and two to years three and four of the program. That is a major change in this plan. The second point of change is the availability of SRF loans. As previously discussed, SRF is now over-subscribed. Last year's plan did not recognize this and anticipated receiving about 80% of funding from SRF low cost loan money. The last key change and factor is inflation. Inflation is projected at 3.7% in construction and 4% on operations and maintenance. As a baseline, today the Agency spends approximately \$39 million dollars annually, mostly for Operations and Maintenance of facilities and the other large part is debt service payments.

Mr. Anderson displayed a graph of the remaining capital spending forecast for the next nine years, broken down by the each SVCW Member Agency totaling \$590 million dollars.

Mr. Anderson proceeded to display a chart indicating what SVCW anticipated at this time last year. There is a significant change in the next two fiscal years. Whereas the Agency thought they would spend upwards of \$140 million in the fiscal year 2018, the expected spend is now considerably less due to still being in the planning mode. Expenditures will of course rise over the next two years as the program progresses. Looking at it on the project level, the planning for treatment facilities, gravity pipeline and front of the plant is starting now and will take SVCW into year 2021. The program is expected to finish with the construction of replacement pump stations by 2024. Finally, nutrient removal is still out there and would add another \$104 million by the end of the planning window.

By applying the JPA Stage 1 Ownership and Stage 2 Capacity Rights, the breakdown for funding is as follows: Belmont - \$56 million dollars, Redwood City - \$287 million dollars, San Carlos - \$89 million dollars and West Bay Sanitary District - \$158 million dollars. Ultimately the question is how to finance these large sums of required money. Mr. Anderson ran through three different scenarios using bonds, government loans and a hybrid approach of both. Last year, the agency relied on availability of funding though SRF and moving away from that assumption is a big change in the plan.

Mr. Anderson said SVCW will continue to pursue funding and he is going to Sacramento in a few weeks with Ms. Herrera to discuss the two active applications submitted (Conveyance System and Wastewater Treatment Plant Improvements) with SRF staff. In the meantime, Mr. Anderson has suggested using the hybrid approach for planning future rate needs.

Mr. Seybert suggested the letter in support of SRF Funding to be signed by the Commission go out before Mr. Anderson goes to Sacramento. Mr. Child will arrange for the letter to be circulated and mailed out as soon as possible, but definitely within the next week.

Mr. Grassilli and Mr. Lieberman asked for clarification of the \$48 million highlighted for debt service repayment and Mr. Anderson replied that this represents the maximum level of annual payments needed to amortize the debt over a 30-35 year period. It is shown broken down into each Member Agency's own needs over the 35 year span. The document given to the Commission is based on a 10-year projection.

Mr. Anderson proceeded to show a graph with a dotted line representing last year's finance plan. Debt service last year was planned to be around \$40 million dollars per year. Due to inflation and the unavailability of less expensive government loan programs, there's been a rise of between \$4 million and \$5 million versus last year's plan for the hybrid approach of financing the program. At this point, the Plan is intended to be used for planning and for rate setting and to also prepare for worst-case scenarios. Mr. Anderson believes this is the prudent thing to do.

On an entity level, the dotted line represented last year's long range finance plan and shows that with this update, the first few years of debt payments are below last year's plan. This is caused by shifting of expenses out to future years, which lowers debt service payments in the early years and increases payments in the later years. The good news is this gives the Member Agencies time to get rates in place to prepare for the surge in debt service payments beginning the ninth year. The bad news is that there will be that surge in year nine.

SVCW is hoping to take advantage of the new WIFIA (Federal Water Infrastructure Financing Reform Act) program to offset some of the increased cost anticipated from the lack of SRF funding, WIFIA is also a low interest loan program (not as low as SRF) and allows delay of payments for up to five years after project completion. SRF has better loan rates and SVCW will continue to pursue them in hopes of obtaining the best possible financing package. Upon Commission approval of the 2017 Long-Term Financial Plan, Mr. Anderson stated he will commence the 2017-18 Budget process.

Mr. Grassilli made the comment that by the time the debt service and government loans are paid off in 30 years for the current work, there will be a need for a new plant or other capital improvements, maybe even before the loans are paid off. Mr. Child added it is very likely the current work will have reached the end of its useful life and new improvements will be needed. Mr. Grassilli wants to make sure it is understood that there is a possibility of the debt not being fully paid off before there is need for more improvements. Mr. Child stated this is definitely possible, but pointed out that the current SVCW Commission has put in place a Capital Reserve Plan that requires setting aside money to build the annual reserve contribution up to an amount equal to the annual depreciation beginning in a couple of years. The purpose of that policy is to save a substantial amount of money to, hopefully, meet the needs or at least soften the blow of future capital project costs.

Mr. Seybert said this is the result of the fact that improvements weren't done when needed in the past and nothing was set aside to pay for the future, now current, needs to replace the worn out facilities. Mr. Grassilli responded that it's unfortunate the future will have debt and also understands that at this point there is no way to get around the situation. Mr. Child again noted the foresight of the current Commission in adopting the Capital Reserve Policy to put aside money for these needs in the future.

Mr. Moritz said going through all the numbers, he found a couple things that may be in the report that he missed, but wanted to be sure discussion about the equity of using debt as a social issue is included. Mr. Moritz added he understands the position members are in due to previous years and he'd like to make a modification/correction in the report itself because it becomes a public document and historically, people will look back at this and it's worth stating why the agency is in this situation financially. Pay as you go would've been the perfect generational way of paying for this. The thing that might be worth inserting for additional information would be the cost per year of debt, both the placement costs as well as the interest costs so it's recognized that the increase in cost is because no money was put aside for a sinking fund. That should set the tone for future Commission's when approaching this and shows pay-as-you-go may be the way to go, versus debt.

Mr. Moritz then noted when looking at the percentage of overall increases each year that there are some years with large increases (15% and 21% are coming in two years) due to debt service needs. This relates to the rate setting requirements and having to face the people who have to pay this. West Bay is starting their annual rate evaluation and had a preliminary discussion at their Board meeting. The preliminary look shows a 5% increase next year. Any time a large percentage amount is dropped on the ratepayers, they get excited and for good reason. Mr. Moritz is thinking that if they adjust numbers this and next year, they may want to be conservative and go to 6% in order save some money to cushion the projected 21% and 15% increases.

Mr. Anderson said he has looked at each member agency's financial state and believes the current revenue at the Member Agencies is doing exactly what Mr. Moritz stated. They have been increasing rates due to the upcoming SVCW CIP needs and have accumulated cash balances that allow them to either pay cash now rather than borrowing (as Redwood City and Belmont did on the last bond sale) or being able to use the cash on hand to soften increases in the future by paying debt service with it. This allows the Member Agencies to take a moderate approach to rate-setting over the coming years and still have adequate revenue to make debt service payments when they increase in the future. Mr. Moritz replied West Bay has been working on a rate-modification model for this very purpose.

Mr. Seybert added this is why Redwood City was able to build up cash and make a big one-time payment by looking to future needs rather than year to year. Mr. Anderson said members have the option to reduce debt requirements by accruing and deploying cash on hand. Mr. Moritz asked Mr. Anderson if he has a calendar of when he expects to go to market for debt and how far will the \$30 Million Line of Credit support this. Mr. Anderson replied the agency currently has approximately \$8 million cash on hand and will probably spend around \$25 Million this year. Mr. Anderson doesn't think the Agency will reach a \$40 to \$50 Million spend rate this coming year based on engineering estimates. He added the Line of Credit could be used, but with the rise in interest rates (currently up 40 basis points)

it may not be the best route. Mr. Anderson is keeping an eye on rates, raising the question of whether SVCW should continue to use the Line of Credit or issue more fixed-rate bonds to meet the Agency's needs for the next year or two. Mr. Anderson will return in late Spring 2017 with a recommendation of next steps.

Mr. Lieberman stated that he supports Commissioner Moritz's comments about trying to make sure the report is written as clearly as possible regarding the impact of not having any kind of reserves on hand when commencing the CIP. He added that having reserves while still ten to twenty years away from needing the money is the best practice for future generations. He emphasized the importance of not using debt and wants future Commissioners informed of what the ultimate goal is of having the money saved.

Mr. Child said the current Reserve Policy has another year or two of a fixed dollar contributions and after that, the policy requires contributions increase over a period of years until they are equal to annual depreciation. This is how the Commission addressed the concerns being voiced today and it was seen as the best way to build the fund into the future. The challenge is to keep future Commissions from seeing what they perceive as a large pot of money and either using it for other purposes or deciding to stop funding it to keep rates low.

Mr. Seybert concluded the presentation by thanking Mr. Anderson and reiterating the importance of having a long-term plan in place by working with the SVCW Member Agencies. He added he agrees fully with the move towards pay-as-you-go and also realizes nutrient removal was not originally forecasted and it is not possible to capture all foreseeable events. Also, in this world, inflation in construction often far outpaces what one can expect in planning for the future. Every little bit helps and if nothing else, it leaves the Commission with many less debt service decisions to face. Mr. Seybert reinforced that the current SVCW Commission is in this position because capital improvements and aging infrastructure weren't addressed since the plant's inception. As a final comment, Mr. Seybert stated that when making decisions one shouldn't shortcut things and at some point, some group has to bite the bullet and quit kicking the can down the road.

Motion/Second: Mr. Grassilli / Mr. Lieberman

Move approval of RECEIPT AND ACCEPTANCE OF SILICON VALLEY CLEAN WATER LONG RANGE FINANCIAL PLAN 2017 UPDATE

The motion carried by unanimous roll call vote.

ITEM 9

CLOSED SESSION

Closed Session was called to order at 9:11 a.m.

A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

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

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

B. 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

ITEM 10

RECONVENE IN OPEN SESSION

Open Session reconvened at 9:27 a.m. Legal Counsel reported that discussion was held, instruction was 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 9:29 a.m.

Robert Grassilli, Secretary
By: Daniel T. Child, Manager

SVCW WARRANT REGISTER

SVCW Warrant Register dated January 31, 2017 for Retiree Health. Scanned copy was e-mailed to Commissioners on January 31, 2017.

SILICON VALLEY CLEAN WATER

01-31-17

WARRANT REGISTER


PAGE 9551


FUND RECAP

NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	22,738.47
TOTAL FOR APPROVAL		\$22,738.47

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9547 THROUGH 9551 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 19542 THROUGH 19578 INCLUSIVE, TOTALING IN THE AMOUNT OF \$22,738.47, 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,

 1/20/17
CONTROLLER DATE

 1/26/2017

 1-31-17

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BUENROSTRO, BENJAMIN	19542		1,338.78		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
DONALDSON, ROBERT M.	19543		605.39		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
FLAHERTY, LISA M.	19544		788.74		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		788.74	12
LEACH, PRESTON L.	19545		172.48		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
REEVES, DENNIS D.	19546		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
REYES, CESAR V.	19547		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SCHIECHL, WARREN	19548		196.21		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		196.21	12
WALSH, WALTER	19549		520.42		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		520.42	12
WIDGER, RICHARD	19550		1,338.78		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
BAKER, ANDREW	19551		1,223.22		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		1,223.22	12
BEWLEY, JAMES B.	19552		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BOVE, LEONARD F.	19553		605.39		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
BUSCH, JOSEPH A.	19554		172.48		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
CHAPMAN, ROBERT G	19555		905.87		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
DIAZ, CLARA L.	19556		261.76		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		261.76	12
FAZIO, MICHAEL	19557		172.48		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
FORD, LARENCE	19558		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
GERKE, FRED	19559		605.39		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
GROSSO, LORNA	19560		172.48		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
HALL, DAVID A.	19561		1,778.81		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		1,778.81	12
HERNANDEZ, JOHN M.	19562		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
JONES, REGGIE H.	19563		196.21		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		196.21	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
KAUFMAN, KENNETH J	19564		172.48		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KELLY, DIANE L.	19565		579.26		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
KERTZ, FELIX J.	19566		172.48		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KLOKKE, KARL W.	19567		579.26		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
MA, PO KUI	19568		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
MURRAY, GENE RODGER	19569		901.24		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		901.24	12
PINEDO, JESSE	19570		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
POSCH, MICHAEL A.	19571		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SMITH, JULIE	19572		1,338.78		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
SMITH, RAYMOND C.	19573		520.42		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		520.42	12
STORMS, VERNON GARY	19574		772.02		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		772.02	12

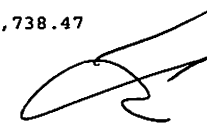
SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SUTER, KATHERINE J.	19575		905.87		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
TAYLOR, TERRY M.	19576		905.87		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
VON SEEBACH, NANCY	19577		579.26		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
WOODSTOCK, CRAIG M.	19578		472.96		
RETIREE MEDICAL PAYMENTS		217 02/17 RETIREE HEALTH PREMIUM REFUND		472.96	12

TOTAL

\$22,738.47



SVCW WARRANT REGISTER

SVCW Warrant Register for period covering January 14, 2017 to January 27, 2017.
Scanned copy was e-mailed to Commissioners on January 31, 2017.

01-27-17

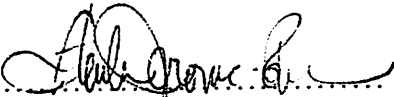
SILICON VALLEY CLEAN WATER
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FUND RECAP


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NAME	FUND	AMOUNT
CAPITAL IMPROVEMENT FUND	14	7,641.14
OPERATION	18	175,650.07
PLANT - CIP BOND	20	929,847.69
TOTAL FOR APPROVAL		\$1,113,138.90

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9552 THROUGH 9572 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 19579 THROUGH 19674 INCLUSIVE, TOTALING IN THE AMOUNT OF \$1,113,138.90, 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,

 1/26/17
CONTROLLER DATE

 1/27/2017

DB 1/26/17

 1-30-17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ALPHA ANALYTICAL LABORATORIES	19579		3,759.00		
CONTRACT SERV. (NON-MAINT.)		6082550RPSVCWA PLANT PROCESS LAB ANALYSIS		1,386.50	18
		60825501RPSVCW PLANT PROCESS LAB ANALYSIS		258.50	18
		6112654RPSVCW SC LAB ANALYSIS		925.00	18
		6112654RPSVCW SC LAB ANALYSIS		340.00	18
		6122230RPSVCW PLANT PROCESS LAB ANALYSIS		154.00	18
		6122310RPSVCW PLANT PERMIT LAB ANALYSIS		190.00	18
		6122822RPSVCW PLANT PERMIT LAB ANALYSIS		315.00	18
		6123094RPSVCW PLANT PERMIT LAB ANALYSIS		190.00	18
AMERICAN SOCIETY OF SAFETY ENG	19580		175.00		
MEMB. & MEET.		1001364536 MEMBERSHIP DUES-DAVID LEE		175.00	18
AON RISK INSURANCE SERVICES WE	19581		10,000.00		
CONST.-ADMIN. & LEGAL		82200000218190 11/30/16-1/15/17 WORKERS COMP/GEN LIAB		10,000.00	20
AQUADYNE ASSOCIATES	19582		2,531.48		
MACHINERY AND EQUIP MAINT MATE		16075 QTY 1 BRUSH ASSEMBLY, QTY 2 TEFLON GASKET		2,498.78	18
		16075 QTY 1 BRUSH ASSEMBLY, QTY 2 TEFLON GASKET		32.70	18
AT&T	19583		330.66		
UTILITIES		107201701511 1/7-2/6/17 SCPS AT&T SVC		66.89	18
		107201715339 1/7-2/6/17 RWCPS AT&T SVC		98.44	18
		107201724836 1/7-2/6/17 MPPS AT&T SVC		98.44	18
		107201796059 1/7-2/6/17 BLPS AT&T SVC		66.89	18
BAY AREA NEWS GROUP - EAST BAY	19584		229.99		
CONST.-ADMIN. & LEGAL		1023632 12/8/16 LEGAL AD - SAN MATEO COUNTY TIMES		115.00	14
		1023632 12/8/16 LEGAL AD - SAN MATEO COUNTY TIMES		114.99	14
BEARING ENGINEERING COMPANY	19585		1,279.06		
MISCELLANEOUS		5426075 QTY 8 RED UROTHANE		1,279.06	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BROWN & CALDWELL	19586		3,176.25		
PROFESSIONAL SERVICES		11283250 2017 ENGINEERING SERVICES		3,176.25	18
BUCKLES SMITH ELECTRIC COMPANY	19587		2,079.23		
MACHINERY AND EQUIP MAINT MATE		301213300 QTY 1 STRATIX, QTY 2 STRATIX SFP		1,249.30	18
		301213300 QTY 1 STRATIX, QTY 2 STRATIX SFP		829.93	18
CAL-OSHA REPORTER	19588		395.00		
MEMB. & MEET.		468545 RENEWAL SUBSCRIPTION 1-2 SAFETY PROS		395.00	18
CALIFORNIA PRODUCT STEWARDSHIP	19589		4,500.00		
SUPPLIES		FY17099AF 2016-2017 CPSC ASSOCIATE FEES		4,500.00	18
CALIFORNIA WATER SERVICE CO	19590		168.84		
UTILITIES		12152016 11/15-12/14/16 SCPS WATER SVC		168.84	18
CALTEST ANALYTICAL LABORATORY	19591		836.10		
CONTRACT SERV. (NON-MAINT.)		566920 NPDES PERMIT LAB ANALYSIS		836.10	18
CDW GOVERNMENT, INC.	19592		2,074.11		
SUPPLIES		GHK8607 QTY 1 1FT USB A TO B CABLE		5.67	18
		GHL8558 QTY 4 SANDISK 32GB FLASH DRIVE		66.93	18
		GJB2879 QTY 5 CISCO IP PHONE 7945-GETH COL SPARE		2,001.51	18
CINTAS CORPORATION	19593		206.90		
SUPPLIES		5006749753 12/2016 LAUNDRY SVC		206.90	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
COLLABORATIVE STRATEGIES CONSU CONTRUCTION-DESIGN	19594		16,170.00		
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		4,389.00	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		957.60	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		319.20	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		438.90	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		159.60	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		159.60	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		478.80	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		558.60	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		79.80	20
		6608SV0117 12/17/16-1/11/17 T.O.2016-08 ENHANCED PROJ		438.90	20
		12601SV0117 12/17/16-1/11/17 T.O.2016-01 BELMONT FORCE		3,465.00	20
		12602SV0117 12/17/16-1/11/17 T.O.2016-03 INFLUENT CONN		735.00	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		219.45	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		2,194.50	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		478.80	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		159.60	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		219.45	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		79.80	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		79.80	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		239.40	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		279.30	20
		111604SV0117 12/17/16-1/11/17 T.O.2016-04 CONVEYANCE S		39.90	20
CONSOLIDATED PARTS INC.	19595		3,964.31		
MACHINERY AND EQUIP MAINT MATE		5036048 QTY 1 EATON PANEL		3,029.75	18
		5036251 QTY 6 J11, QTY 4 J20		563.96	18
		5036251 QTY 6 J11, QTY 4 J20		370.60	18
COTTIER, DON R.	19596		100.06		
SUPPLIES		1112017 REIM-1/8/17 O&M STAFF OT MEALS - MOUNTAIN MIKE		100.06	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
COUNTY OF SAN MATEO - AIRPORT CONST.-ADMIN. & LEGAL	19597	1272017 2/17 PERMIT#5384-LEASE PYMNT SAN CARLOS AIRPOR	97,300.00	97,300.00	20
COVELLO GROUP INC., THE CONSTRUCTION-CONTRACTOR	19598	201303438 12/16 T.O.2013-02 GLOBAL CM CIP PROJECTS	7,187.50	7,187.50	20
D.W. NICHOLSON CORPORATION MISCELLANEOUS	19599	6685 QTY 2 FAB HTCH CVRS PG 6685 QTY 2 FAB HTCH CVRS PG	1,951.10	975.55 975.55	18 18
DALY, MICK UTILITIES	19600	1101706128 REIMB 9/11/16-1/10/17 AT&T CHARGES	180.00	180.00	18
DENCO CONTROLS INC. MISCELLANEOUS	19601	17645 QTY 2 TRERICE	101.67	101.67	18
DKF SOLUTIONS GROUP, LLC CONTRACT SERV. (NON-MAINT.)	19602	12851 MY SAFETY OFFICER-MONTHLY SUBSCRIPTION FEE	450.00	450.00	18
EDGLEY, KIP D. CONSTRUCTION-DESIGN	19603	REIS1230SV1612A 11/28-1/1/17 T.O.2016-01 LABOR OUTSIDE REIS1230SV1612B REIM 11/28-1/1/17 T.O.2016-01 TRAVEL E	20,701.42	3,240.00 3,575.59	20 20
MISCELLANEOUS CONSTRUCTION-DESIGN		REIS1230SV1612C 11/28-1/1/17 T.O.2016-01 7% NON RESIDE REISS1230SV1612 11/28-1/1/17 T.O.2016-01 LABOR IN CA		-1,045.17 14,931.00	20 20
ENDRESS+HAUSER, INC MISCELLANEOUS	19604	6001853540 QTY 2 PROMAG	389.84	389.84	18

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ENVIRO-CARE INC	19605		143,547.04		
CONSTRUCTION-CONTRACTOR		WEC21530375 QTY 1 FLO-SEPTAGE RECEIVING STATION 75% PA		137,176.50	20
		WEC215303ADD CIRCUIT BREAKERS FOR FLO-SEPTAGE RECEIVIN		933.04	20
		PILOT21530311 1/7-2/6/17 PILOT 215303-30 DAYS TEST FEE		1,850.00	20
		PILOT2153036A 8/7-9/6/16 FLO-BEAST WASTE RECEIVING 30D		5,450.00	20
		PILOT2153037A 9/7-10/6/16 FLO-BEAST WASTE RECEIVING 30		5,450.00	20
		PILOT2153038A 10/7-11/6/16 PILOT 215303-30 DAYS TEST F		5,450.00	20
		PILOT2153039A 11/7-12/6/16 PILOT 215303-30 DAYS TEST F		5,450.00	20
		PILOT21530311A 1/7-2/6/17 PILOT 215303-30 DAYS TEST FE		3,587.50	20
		PILOT2153036CR 8/7-9/6/16 FLO-BEAST WASTE RECEIVING 30		-5,450.00	20
		PILOT2153037CR 9/7-10/6/16 FLO-BEAST WASTE RECEIVING 3		-5,450.00	20
		PILOT2153038CR 10/7-11/6/16 PILOT 215303-30 DAYS TEST		-5,450.00	20
		PILOT2153039CR 11/7-12/6/16 PILOT 215303-30 DAYS TEST		-5,450.00	20
ENVIRONMENTAL RESOURCE ASSOCIA	19606		2,296.82		
SUPPLIES		813460 LAB SUPPLIES, CHEMICALS		867.43	18
		814226 LAB SUPPLIES, CHEMICALS		1,429.39	18
ERS INDUSTRIAL SERVICES, INC.	19607		221,062.50		
CONSTRUCTION-CONTRACTOR		10B 12/16 PRG PMT 10 PRIM SEDIMENTATION TANK REHAB		110,531.25	20
		10B 12/16 PRG PMT 10 PRIM SEDIMENTATION TANK REHAB		110,531.25	20
FASTENAL COMPANY	19608		3,795.11		
SUPPLIES		CASAA50679 VARIOUS PARTS		1,520.74	18
MISCELLANEOUS		CASAA50768 VARIOUS PARTS		502.10	18
		CASAA50820 VARIOUS PARTS		815.41	18
MACHINERY AND EQUIP MAINT MATE		CASAA50919 VARIOUS PARTS		3.27	18
		CASAA50919 VARIOUS PARTS		3.72	18
		CASAA50919 VARIOUS PARTS		15.42	18
SUPPLIES		CASAA51014 VARIOUS PARTS		934.45	18

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FED EX	19609		194.61		
SUPPLIES		568160403 12/19-1/13/17 FED EX CHARGES		28.62	18
		568160403 12/19-1/13/17 FED EX CHARGES		34.24	18
		568160403 12/19-1/13/17 FED EX CHARGES		85.44	18
		568160403 12/19-1/13/17 FED EX CHARGES		38.34	18
CONTRUCTION-DESIGN		568160403 12/19-1/13/17 FED EX CHARGES		7.97	20
FENTON, CHARLES	19610		27,177.10		
CONST.-ADMIN. & LEGAL		66 10/24-11/18/16 SERVICES INSIDE CA		22,165.00	20
		66A 10/24-11/18/16 SERVICES OUTSIDE CA		1,852.50	20
		66B REIM-10/24-11/18/16 TRAVEL EXPENSE		4,711.15	20
MISCELLANEOUS		66C 7% NONRESIDENT WITHHOLDING		-1,551.55	20
FIELDMAN, ROLAPP & ASSOCIATES	19611		4,817.50		
CONST.-ADMIN. & LEGAL		22898 12/1-12/29/16 PROFESSIONAL SERVICES		4,817.50	20
FISHER SCIENTIFIC COMPANY	19612		3,431.51		
SUPPLIES		1613601 LAB SUPPLIES		1,359.78	18
		1613601 LAB SUPPLIES		469.46	18
		1613601 LAB SUPPLIES		81.05	18
		6545057 LAB SUPPLIES		20.75	18
		6545057 LAB SUPPLIES		18.58	18
		6545057 LAB SUPPLIES		4.28	18
		6545057 LAB SUPPLIES		4.99	18
		6545057 LAB SUPPLIES		40.48	18
		6545057 LAB SUPPLIES		58.21	18
SMALL TOOLS		7469483 LAB SUPPLIES		796.98	18
SUPPLIES		7469484 LAB SUPPLIES		63.97	18
MISCELLANEOUS		7579851 LAB SUPPLIES		512.98	18

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FITZGERALD, HERMAN H. LAW OFFI	19613		23,813.10		
PROFESSIONAL SERVICES		1272017A 12/16 GENERAL PROFESSIONAL SERVICES		3,658.50	18
CONST.-ADMIN. & LEGAL		1272017A 12/16 GENERAL PROFESSIONAL SERVICES		1,998.00	20
PROFESSIONAL SERVICES		1272017B REIM-12/16 EXPENSES GENERAL		117.00	18
CONST.-ADMIN. & LEGAL		1272017C 12/16 PROF SVCS CONVEYANCE SYSTEM		3,577.50	20
PROFESSIONAL SERVICES		1272017D REIM-12/16 PROF SVCS		100.20	18
CONST.-ADMIN. & LEGAL		REISS11292016A 11/16 PROF SVCS CONVEYANCE SYSTEM		9,571.50	20
		REISS11292016B REIM-11/16 PROF SVCS CONVEYANCE SYSTEM		100.20	20
PROFESSIONAL SERVICES		REISS11302016A 11/16 PROF SVCS		4,590.00	18
		REISS11302016B REIM-11/16 PROF SVCS		100.20	18
FIVESKY	19614		1,729.73		
PROFESSIONAL SERVICES		FSUSIN5703A ENDPOINT SECURITY PROTECTION FOR WORKSTATI		1,729.73	18
FONG, PETER	19615		179.42		
SUPPLIES		1112017 REIM-1/4/17 SAFETY SHOES		179.42	18
FRANK A. OLSEN CO.	19616		8,853.86		
MACHINERY AND EQUIP MAINT MATE		236963 QTY 1 6" DEZ, QTY 2 12" DEZ		1,657.77	18
MISCELLANEOUS		236963 QTY 1 6" DEZ, QTY 2 12" DEZ		7,196.09	18
FREYER & LAURETA, INC	19617		3,387.50		
CONSTRUCTION-CONTRACTOR		17003 12/16 T.O.2016-03 PUMP STATION VALVE REPLACEMENT		1,693.75	14
		17003 12/16 T.O.2016-03 PUMP STATION VALVE REPLACEMENT		1,693.75	14
GABLE, ERIC	19618		197.08		
SUPPLIES		1162017 REIM-1/13/17 SAFETY SHOES		197.08	18

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GRAINGER	19619		4,239.36		
MACHINERY AND EQUIP MAINT MATE		9301254075 QTY 1 TUBING, QTY 2 HH POLYETHYLENE SPRAYER		309.46	18
MISCELLANEOUS		9301254075 QTY 1 TUBING, QTY 2 HH POLYETHYLENE SPRAYER		147.32	18
		9304973267 QTY 6 CLEAR CONSTRUCTION FILM		515.10	18
MACHINERY AND EQUIP MAINT MATE		9305559123 QTY 1 Y CONNECTOR 10PK		25.30	18
		9310902888 QTY 1 PTFE HOSE		79.95	18
MISCELLANEOUS		9311194105 COGENERATION JENNBACHER TOOLS		108.69	18
		9311194105 COGENERATION JENNBACHER TOOLS		70.46	18
SMALL TOOLS		9311194105 COGENERATION JENNBACHER TOOLS		145.11	18
		9311194105 COGENERATION JENNBACHER TOOLS		124.67	18
		9311194105 COGENERATION JENNBACHER TOOLS		73.46	18
		9311194105 COGENERATION JENNBACHER TOOLS		10.53	18
		9311194105 COGENERATION JENNBACHER TOOLS		34.29	18
		9311194105 COGENERATION JENNBACHER TOOLS		276.93	18
MACHINERY AND EQUIP MAINT MATE		9311544408 QTY 2 PIPE WRENCH 18"		147.99	18
SUPPLIES		9311544416 QTY 8 FUSE, QTY 2 TONGUE & GROOVE PLIERS		169.71	18
SMALL TOOLS		9311544416 QTY 8 FUSE, QTY 2 TONGUE & GROOVE PLIERS		38.30	18
		9311544416 QTY 8 FUSE, QTY 2 TONGUE & GROOVE PLIERS		74.88	18
MACHINERY AND EQUIP MAINT MATE		9314005357 QTY 1 DRAINAGE MAT		1,375.14	18
SUPPLIES		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		36.97	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		56.02	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		44.74	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		34.91	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		29.16	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		52.08	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		17.94	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		40.00	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		60.05	18
		9314005365 MALE CONNECTOR, MALE ELBOW, PLUG IN REDUCER		33.53	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		27.78	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		78.89	18

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GRAINGER	19620		1,396.06		
SUPPLIES		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		54.96	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		88.05	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		55.30	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		18.03	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		12.35	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		28.39	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		118.42	18
		9314230328 EXTENDED MALE ELBOW, UNION TEES, PLUGS		108.77	18
MISCELLANEOUS		9317129857 QTY 3 EXTENSION CORD		138.84	18
MACHINERY AND EQUIP MAINT MATE		9318608594 QTY 1 ELEC TANKLESS HEATER, QTY 6 FLOAT SWI		356.47	18
		9318608594 QTY 1 ELEC TANKLESS HEATER, QTY 6 FLOAT SWI		277.64	18
MISCELLANEOUS		9318608594 QTY 1 ELEC TANKLESS HEATER, QTY 6 FLOAT SWI		138.84	18
HANSEN, ERIC	19621		135.00		
CONF. & TRAV.		REISS12302016 REIMB-10/16-12/16 CELL PHONE FLAT RATE		135.00	18
HANSON BRIDGETT LLP	19622		11,967.00		
PROFESSIONAL SERVICES		1180785 11/16 LEGAL SVCS-PUBLIC WORKS CONTRACTING&INFR		11,967.00	18
HARDY DIAGNOSTICS	19623		130.49		
SUPPLIES		1728834 1 PKG DEIONIZED WATER 90ML		130.49	18
HARRINGTON INDUST PLASTICS	19624		389.40		
MACHINERY AND EQUIP MAINT MATE		3K3563 QTY 6 3/4" VALVE BALL		238.10	18
		3K3658 QTY 20 2" PIPE P/E CLR PVC		151.30	18

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HILLYARD INC	19625		583.16		
MISCELLANEOUS		602356086 JANITOR SUPPLIES		93.72	18
		602356086 JANITOR SUPPLIES		24.20	18
		602356086 JANITOR SUPPLIES		37.96	18
		602356086 JANITOR SUPPLIES		63.07	18
		602356086 JANITOR SUPPLIES		79.30	18
		602356086 JANITOR SUPPLIES		175.86	18
		602364050 JANITOR SUPPLIES		109.05	18
HILTI, INC.	19626		222.78		
MISCELLANEOUS		4608771570 QTY 3 HAMMER DRILL BIT		106.24	18
		4608794559 QTY 9 HAMMER DRILL BIT		116.54	18
HOPKINS TECHNICAL PRODUCTS, IN	19627		6,907.61		
MISCELLANEOUS		3616301563 50 DIAPHRAGM CAP		6,907.61	18
IDEXX DISTRIBUTION, INC	19628		28.35		
SUPPLIES		3010601401 QTY 1 PRE-DISP QT 2000 COMPARATOR		28.35	18
IPMA-HR	19629		318.00		
MEMB. & MEET.		25559P8N9D4 4/1/17-3/31/18 AGENCY MEMBERSHIP-ONLINE		318.00	18
JENTECH SERVICES	19630		6,114.20		
MACH & EQUIP MAINT SERVICES		2222 1/10-1/19/17 INSTRUMENT CALIBRATION		1,520.00	18
		2222 1/10-1/19/17 INSTRUMENT CALIBRATION		190.00	18
		2222 1/10-1/19/17 INSTRUMENT CALIBRATION		2,565.00	18
		2222 1/10-1/19/17 INSTRUMENT CALIBRATION		1,839.20	18

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JHS CONSULTING, LLC	19631		4,132.12		
CONTRUCTION-DESIGN		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		227.27	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		2,272.67	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		495.85	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		165.28	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		227.27	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		82.64	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		82.64	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		247.93	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		289.25	20
		2016033 12/16 T.O.2016-03 CONVEYANCE SYSTEM CEQA		41.32	20
KEENAN SUPPLY	19632		132.96		
MISCELLANEOUS		S0093555850001 QTY 8 VIC LUB 4.5 OZ		132.96	18
LENSCRAFTERS	19633		91.00		
SUPPLIES		1804884328 SAFETY GLASSES-MICHAEL SERRANO		91.00	18
LIEBERT CASSIDY WHITMORE	19634		3,921.00		
PROFESSIONAL SERVICES		1433895 12/16 WAGE AND HOUR AUDIT		46.00	18
		1433896 12/16 CALPERS AUDIT		2,180.00	18
		1433897 12/16 D.A. HALL MGMT PAY PERS		1,695.00	18
LOCKSWORKS UNLIMITED	19635		38.04		
SUPPLIES		64185 10 FA3 KEYS		38.04	18
M-I-C, INC	19636		713.11		
MISCELLANEOUS		2995 QTY 9 VAREC-BIOGAS FOR 8" FLAME ARRESTER		713.11	18
MADCO WELDING SUPPLY CO	19637		838.68		
RENTAL/LEASES		8452 12/19/16 CYLINDER RENTAL		92.50	18
SUPPLIES		G48862 12/19/16 GAS RENTAL		746.18	18

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MCMASTER-CARR SUPPLY CO.	19638		230.17		
MACHINERY AND EQUIP MAINT MATE		97425436 QTY 1 FLOOR-MOUNT SUPPORT FLANGE STYLE		230.17	18
MOTION INDUSTRIES INC.	19639		4,172.10		
SUPPLIES		CA24998978 FREIGHT ONLY - WASTE OIL SHED		1,376.79	18
MISCELLANEOUS		CA24873677 QTY 5 HOSE DISCHARGE		1,528.57	18
MACHINERY AND EQUIP MAINT MATE		CA24997148 QTY 2 FITTINGS QTY 2 MALE CONN FITTINGS		41.25	18
		CA24997148 QTY 2 FITTINGS QTY 2 MALE CONN FITTINGS		101.72	18
		CA24997616 ATY 1 ELECTRIC MOTOR		570.84	18
MISCELLANEOUS		CA24997948 QTY 14 PEAT ABSORBENT 11LB BAG		552.93	18
NATIONAL SAFETY COUNCIL	19640		450.00		
MEMB. & MEET.		1182017976475 MEMBERSHIP RENEWAL		450.00	18
NEXLEVEL INFORMATION TECHNOLOG	19641		1,950.44		
CONST.-ADMIN. & LEGAL		20161224 12/16 ERP PROCUREMENT ENGAGEMENT		1,950.44	20
PACE SUPPLY CORP	19642		280.80		
MACHINERY AND EQUIP MAINT MATE		93550953 QTY 3 COMPACT BALL VALVE, QTY 105 STEEL PIPE		204.93	18
MISCELLANEOUS		93550953 QTY 3 COMPACT BALL VALVE, QTY 105 STEEL PIPE		84.64	18
MACHINERY AND EQUIP MAINT MATE		CM093550953 CREDIT MEMO - RETURNED QTY 3 COMPACT BALL		-204.93	18
MISCELLANEOUS		93635415 QTY 6 WELD ON LOW VOC GRAY PVC CEMENT		98.23	18
		93647425 QTY 4 WELD ON LOW VOC PURPLE PRIMER		97.93	18
PAN-PACIFIC SUPPLY CO.	19643		17,823.11		
MACH & EQUIP MAINT SERVICES		29594973 QTY 2 REBUILD WEMCO PUMP MODEL C 4X4		17,823.11	18
PARSONS BRINCKERHOFF	19644		2,440.88		
CONTRUCTION-DESIGN		PB18AR671256 8/16 T.O.2014-01 63"FM PIPELINE TUNNEL PE		1,258.19	20
		PB18AR671256A 8/16 T.O.2014-01 63"FM PIPELINE TUNNEL P		1,182.69	20

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PENINSULA BATTERY, INC.	19645		543.48		
MACHINERY AND EQUIP MAINT MATE		119407 QTY 4 BATTERY 6 VOLT, 1 MOTORCRAFT BAT		434.78	18
		119407 QTY 4 BATTERY 6 VOLT, 1 MOTORCRAFT BAT		108.70	18
PETTY CASH - SILICON VALLEY CL	19646		481.44		
MEMB. & MEET.		1272017 PETTY CASH DISBURSEMENTS		32.50	18
SUPPLIES		1272017 PETTY CASH DISBURSEMENTS		43.09	18
		1272017 PETTY CASH DISBURSEMENTS		176.86	18
		1272017 PETTY CASH DISBURSEMENTS		92.55	18
TRAINING		1272017 PETTY CASH DISBURSEMENTS		30.26	18
SUPPLIES		1272017 PETTY CASH DISBURSEMENTS		54.49	18
		1272017 PETTY CASH DISBURSEMENTS		51.69	18
POWER ENGINEERING CONSTRUCTION	19647		269,757.06		
CONSTRUCTION-CONTRACTOR		8M10615 7/10-9/24/16 PRG PMT 8 SVCW BIOFORCE CONCRETE		9,038.00	20
		12M10630 12/16 PRG PMT 12 RWC PS 48" FM EMERG REPAIR		58,667.06	20
		19M10558 12/16 PRG PMT 19 PLANT EFFLUENT OUTFALL LEAK		202,052.00	20
QPCS LLC	19648		4,779.19		
MACH & EQUIP MAINT SERVICES		13227 MILESTONE LICENSE RENEWAL		837.00	18
PROFESSIONAL SERVICES		13233 CONDUIT RUN FOR INTAKE CAMERA		3,942.19	18
R & B COMPANY	19649		3,243.35		
CONSTRUCTION-CONTRACTOR		S1602801001 QTY 3 ECC PLUG VALVE		3,066.31	20
MISCELLANEOUS		S1613223001 QTY 3 0-60 DRY GAUGE BACK MOUNT		68.71	18
MACHINERY AND EQUIP MAINT MATE		S1619150002 QTY 25 S80 PVC SXS 90 ELBOW, QTY 1 THRD BA		17.70	18
		S1619150002 QTY 25 S80 PVC SXS 90 ELBOW, QTY 1 THRD BA		90.63	18
R.F. MACDONALD CO.	19650		107.14		
MISCELLANEOUS		I191961 QTY 2 GASKET SUCTION COVER/LOWER VOLUTE		107.14	18

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RGM AND ASSOCIATES	19651		1,706.50		
CONST.-ADMIN. & LEGAL		602 12/7-12/31/16 T.O.2013-01 LABOR COMPLIANCE		568.84	20
		602 12/7-12/31/16 T.O.2013-01 LABOR COMPLIANCE		568.83	20
CONTRUCTION-DESIGN		602 12/7-12/31/16 T.O.2013-01 LABOR COMPLIANCE		568.83	20
ROYAL WHOLESALE ELECTRIC	19652		4,173.59		
MACHINERY AND EQUIP MAINT MATE		7003624347 QTY 1 HIGH BAY LED LT FX		439.66	18
		7003625184 QTY 9 HIGH BAY LED LT FX		3,733.93	18
S & S SUPPLIES AND SOLUTIONS	19653		1,383.93		
MACHINERY AND EQUIP MAINT MATE		S2921657001 QTY 3 SENSOR		420.42	18
		S2921657003 QTY 5 SENSOR OXYGEN		963.51	18
SAN MATEO COUNTY ENVIRONMENTAL	19654		1,730.00		
ADMINISTRATIVE EXPENSES		285481 MPPS FEE		636.00	18
		285481A MPPS FEE		35.00	18
		285331 RCPS STORMWATER ANNUAL FEE		71.00	18
		285331 RCPS STORMWATER ANNUAL FEE		35.00	18
		285331 RCPS STORMWATER ANNUAL FEE		953.00	18
SANDUL, DUANE	19655		2,684.00		
CONTRUCTION-DESIGN		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		161.04	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		147.62	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		1,476.20	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		322.08	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		147.62	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		53.68	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		53.68	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		187.88	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		26.84	20
		12B 12/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		107.36	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SCP SCIENCE	19656		109.83		
SUPPLIES		IN0000191250 LAB SUPPLIES		31.61	18
		IN0000191250 LAB SUPPLIES		46.61	18
		IN0000191250 LAB SUPPLIES		31.61	18
SNAP-ON INDUSTRIAL	19657		196.19		
MACHINERY AND EQUIP MAINT MATE		ARV31116285 QTY 1 TIMING LIGHT		196.19	18
STATE WATER RESOURCES CONTROL	19658		350.00		
TRAINING		1252017 SWRCB GRADE 3 OPER CERT EXAM APP A.GILBERT		350.00	18
STEVEN ENGINEERING INC.	19659		5,352.08		
MACHINERY AND EQUIP MAINT MATE		240520700 VARIOUS PHOENIX PARTS		1,002.23	18
		240520700 VARIOUS PHOENIX PARTS		159.96	18
		240520700 VARIOUS PHOENIX PARTS		2,086.63	18
		240520700 VARIOUS PHOENIX PARTS		119.10	18
		240520700 VARIOUS PHOENIX PARTS		1,300.97	18
		240520701 QTY 2 PHOENIX FL COMSERVER		683.19	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TANNER PACIFIC, INC.	19660		75,200.80		
CONSTRUCTION-CONTRACTOR		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		10,034.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		10,672.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		1,316.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,942.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		2,146.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		6,357.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		93.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		12,015.00	20
CONTRUCTION-DESIGN		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		3,214.00	20
CONSTRUCTION-CONTRACTOR		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		10,012.50	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		9,186.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		784.00	20
		217002 1/1-1/14/17 T.O.2016-01 CONSTRUCTION MGMT VARIO		6,429.30	20
TELEPACIFIC COMMUNICATIONS	19661		10,053.28		
UTILITIES		864472630 1/9-2/8/17 TELEPACIFIC SERVICE		6,053.28	18
		864472630 1/9-2/8/17 TELEPACIFIC SERVICE		1,000.00	18
		864472630 1/9-2/8/17 TELEPACIFIC SERVICE		1,000.00	18
		864472630 1/9-2/8/17 TELEPACIFIC SERVICE		1,000.00	18
		864472630 1/9-2/8/17 TELEPACIFIC SERVICE		1,000.00	18
THERMO ELECTRON NORTH AMERICA	19662		3,751.00		
MACH & EQUIP MAINT SERVICES		9020682249 1/9/17-1/8/18 EXT WARRANTY		3,751.00	18
THOMAS FISH CO.	19663		126.00		
SUPPLIES		21362 QTY 110 RAINBOW TROUT		126.00	18
TOPOS ARCHITECTS INC	19664		4,023.65		
CONTRUCTION-DESIGN		1032017 7/16-12/16 GREENDALE PROJECT CONSULTING		4,023.65	14

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	19665		5,257.66		
SUPPLIES		12222016BB1 11/23/16 MS OFFICE 365 TEST SOFTWARE LICEN		100.00	18
		12222016BB2 11/30/16 POWER EXTENSION CORD-AMAZON		246.12	18
MEMB. & MEET.		12222016BB3 12/12/16 MEMBERSHIP RENEWAL-WATER ISAC		999.00	18
		12222016BB4 12/14/16 3/1/17-2/28/18 AWWA-MEMBERSHIP RE		262.00	18
TRAINING		12222016BB5 12/16/16 9/2/16-9/1/17 ONLINE TRAINING-LYN		375.00	18
SUPPLIES		12222016DC1 11/22/16 TRAVEL EXP-FUEL-LOVES COUNTRY		53.25	18
		12222016DC2 11/23/16 TRAVEL EXP-FUEL-MAVERIK #342		73.00	18
		12222016DC3 11/28/16 TRAVEL EXP-FUEL-PILOT		55.00	18
		12222016DC4 11/28/16 TRAVEL EXP-FUEL-LOVES COUNTRY		64.00	18
CONF. & TRAV.		12222016DC5 12/5/16 TRAVEL EXP-BART FARE-BART SAN BRUN		8.60	18
SUPPLIES		12222016DC6 12/9/16 TRAVEL EXP-FUEL-LOVES COUNTRY		57.00	18
		12222016DC7 12/10/16 TRAVEL EXP-FUEL-CITY EXPRESS #5		68.00	18
		12222016DC8 12/10/16 TRAVEL EXP-FUEL-PILOT		57.25	18
CONF. & TRAV.		12222016DC9 12/14/16 TRAVEL EXP-PARKING-HYATT REGENCY		25.00	18
MACHINERY AND EQUIP MAINT MATE		12222016DM2 11/28/16 HANDLING FEE - EAST BAY MOTORSPOR		30.45	18
TRAINING		12222016EM1 12/12/16 2/14-2/17/17 WWTT OP CERT PREP RE		750.00	18
		12222016EM2 12/15/16 OWPSACSTATE-MFS LEADERSHIP TRAINI		113.68	18
SUPPLIES		12222016IS1 11/23/16 SVCW HOLIDAY EVENT SUPPLIES-HONEY		193.32	18
		12222016IS2 11/29/16 ANNUAL HOLIDAY EVENT REFRESHMENTS		66.34	18
		12222016IS3 12/7/16 ANNUAL HOLIDAY EVENT SUPPLIES-ICE-		11.53	18
ADMINISTRATIVE EXPENSES		12222016JF1 11/28/16 SR ENGINEER JOB POSTING-CWEA		285.00	18
		12222016JF2 11/28/16 SR ENGIN JOB POSTING-BROWN & CALD		200.00	18
		12222016JF3 12/6/16 JOB POSTING-SR PLANT MECHANIC ELEC		285.00	18
SUPPLIES		12222016LB1 12/1/16 11/16-12/14/16 FASTRAK-BRIDGE TOLL		160.00	18
MEMB. & MEET.		12222016MA1 12/20/16 FINANCE TEAM ORIENTATION-RANGOON		112.00	18
		12222016MH1 12/7/16 BAAQMD MEETING-BART FARE		8.00	18
SMALL TOOLS		12222016ND1 12/9/16 ICE CHEST-HOLDING GREASE/SEPTAGE H		38.12	18
MEMB. & MEET.		12222016TH1 12/14/16 TRAVEL EXP-CONVEYANCE SYSTEM CEQA		99.00	18
		12222016VV1 11/21/16 2017 ASCE-MEMBERSHIP DUES FOR TER		290.00	18
		12222016VV2 11/22/16 CWEA-MEMBERSHIP RENEWAL-ERIC HANS		172.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	19666		4,011.28		
SUPPLIES		12222016VV3 12/5/16 FINANCE SOFTWARE DEMONSTRATION LUN		260.09	18
		12222016VV4 12/6/16 FINANCE SOFTWARE DEMONSTRATION LUN		192.11	18
MACH & EQUIP MAINT SERVICES		12222016DC10 12/16/16 PUTNAM MAZDA AND VOLVO - AUTO RE		1,410.43	18
SUPPLIES		12222016DC11 12/16/16 TRAVEL EXP-FUEL-HOLLY GAS & DIES		12.50	18
		12222016DC12 12/20/16 TRAVEL EXP-FUEL-CHEVRON		26.00	18
		12222016DC13 12/20/16 TRAVEL EXP-FUEL-TA BARSTOW		49.00	18
		12222016DC14 12/21/16 AUTO SUPPLIES-MAVERIK #487		7.42	18
		12222016DC15 12/21/16 TRAVEL EXP-FUEL-MAVERIK #487		53.50	18
		12222016DC16 12/21/16 TRAVEL EXP-FUEL-MAVERIK #538		30.50	18
MISCELLANEOUS		1222216JD2TAX SALES TAX LIABILITY		-11.25	18
		12222016DM1TAX SALES TAX LIABILITY		-36.25	18
		12222016DM3TAX SALES TAX LIABILITY		-34.92	18
		12222016DM6TAX SALES TAX LIABILITY		-2.58	18
		12222016DM8TAX SALES TAX LIABILITY		-45.00	18
		12222016JD4TAX SALES TAX LIABILITY		-1.34	18
		12222016JD5TAX SALES TAX LIABILITY		-2.71	18
MACHINERY AND EQUIP MAINT MATE		122216JD1 12/1/16 VOLTAGE RELAY-BASLER		16.54	18
		122216JD1 12/1/16 VOLTAGE RELAY-BASLER		462.16	18
		12222016DM1 11/22/16 WATER FILTER & SCREENS - FRESH WA		393.38	18
		12222016DM1 11/22/16 WATER FILTER & SCREENS - FRESH WA		45.69	18
MISCELLANEOUS		12222016DM3 12/7/16 FIBERGLASS LIFE RING CABINET - CHE		474.92	18
MACHINERY AND EQUIP MAINT MATE		12222016DM4 12/8/16 EXTENSION CABLE - AMAZON.COM LLC		101.16	18
		12222016DM5 12/12/16 REBAR, LATH, SCREW - THE HOME DEP		15.19	18
		12222016DM5 12/12/16 REBAR, LATH, SCREW - THE HOME DEP		4.63	18
		12222016DM5 12/12/16 REBAR, LATH, SCREW - THE HOME DEP		20.71	18
SMALL TOOLS		12222016DM5 12/12/16 REBAR, LATH, SCREW - THE HOME DEP		12.26	18
MACHINERY AND EQUIP MAINT MATE		12222016DM5 12/12/16 REBAR, LATH, SCREW - THE HOME DEP		29.95	18
SUPPLIES		12222016DM6 12/14/16 PHONE CETIS SCITEC - AMAZON MKTPL		31.23	18
		12222016DM7 12/20/16 DESK & MAT - VARIDESK		430.56	18
		12222016DM7 12/20/16 DESK & MAT - VARIDESK		65.40	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	19667		1,541.83		
MISCELLANEOUS		12222016DM8 12/21/16 WATERPROOF JACKET - AMAZON MKTPLA		544.96	18
MACHINERY AND EQUIP MAINT MATE		12222016DM9 12/21/16 MOUNTING KIT - AVCO		237.53	18
MACH & EQUIP MAINT SERVICES		12222016DM9 12/21/16 MOUNTING KIT - AVCO		48.37	18
SMALL TOOLS		12222016JD2 12/8/16 SOLAR LIGHT-OUTDOOR SOLAR		136.25	18
MISCELLANEOUS		12222016JD3 12/9/16 WATER-COSTCO		385.00	18
MACHINERY AND EQUIP MAINT MATE		12222016JD4 12/12/16 LOCKING HALF SB-350-ANDERSON POWE		9.11	18
		12222016JD4 12/12/16 LOCKING HALF SB-350-ANDERSON POWE		97.77	18
SUPPLIES		12222016JD5 12/14/16 SUNSUN YT-304 AMAZON		8.53	18
		12222016JD5 12/14/16 SUNSUN YT-304 AMAZON		24.30	18
MACHINERY AND EQUIP MAINT MATE		12222016JD6 12/22/16 WINDOW FILM-ULINE		11.86	18
		12222016JD6 12/22/16 WINDOW FILM-ULINE		7.63	18
		12222016JD6 12/22/16 WINDOW FILM-ULINE		30.52	18
UNIVAR USA INC.	19668		7,521.38		
CHEMICAL SUPPLIES		SJ791489 12/26/16 SOD HYPO 12.5% LIQUICHLOR		2,103.44	18
		SJ791597 12/21/16 SOD HYPO 12.5% LIQUICHLOR		1,118.61	18
		SJ791626 12/27/16 SOD BISULFITE 25%		4,299.33	18
V&A CONSULTING ENGINEERS, INC.	19669		1,805.00		
CONSTRUCTION-CONTRACTOR		16542 9/24-12/31/16 ENG SVCS CCT COATING		1,805.00	20
VALLEY OIL COMPANY	19670		540.11		
SUPPLIES		17026 SVC CHARGE		243.63	18
		36282 SVC CHARGE		296.48	18
VALLEY OIL COMPANY (VEHICLE FU	19671		1,194.24		
SUPPLIES		439856 10/15-12/31/16 FUEL CHARGES		676.87	18
		442703 11/30/16-1/15/17 FUEL CHARGES		517.37	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VWR INTERNATIONAL, LLC	19672		2,030.50		
SUPPLIES		8047149100 QTY 3 LAB SUPPLIES S-AUREUS		766.50	18
		8047276048 QTY 8 HYDROGEN SULF		578.12	18
		8047280355 LAB SUPPLIES		60.19	18
		8047280355 LAB SUPPLIES		135.81	18
		8047280355 LAB SUPPLIES		119.51	18
		8047280355 LAB SUPPLIES		149.46	18
		8047280356 QTY 3 THERMOMETER, QTY 5 DISH WEIGH AL		48.99	18
		8047280356 QTY 3 THERMOMETER, QTY 5 DISH WEIGH AL		104.79	18
		8047285241 QTY 1 BUFFER SOL		67.13	18
WHITLEY, BURCHETT AND ASSOCIAT	19673		3,886.35		
CONSTRUCTION-DESIGN		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		365.56	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		60.93	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		60.93	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		167.55	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		121.85	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		182.78	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		167.55	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		30.47	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		213.24	20
		SVC1645 12/16 T.O.2016-02 CONVEYANCE SYSTEM PROGRAM MG		1,675.49	20
CONST.-ADMIN. & LEGAL		SVC16211 12/16 T.O.2016-01 SRF FINANCIAL SVCS		840.00	20
XEROX CORPORATION	19674		1,231.82		
RENTAL/LEASES		87585769 1/17 XEROX LEASE		419.30	18
		87585770 1/17 XEROX LEASE		247.61	18
		87585771 1/17 XEROX LEASE		303.34	18
		87585772 1/17 XEROX LEASE		261.57	18

TOTAL

\$1,113,138.90

SVCW WARRANT REGISTER

SVCW Warrant Register for January 31, 2017. Scanned copy was e-mailed to Commissioners on February 1, 2017.

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
UNIVAR USA INC.	19675		18,587.94		
CHEMICAL SUPPLIES		SJ790165 12/13/16 SOD HYPO 12.5%		2,014.39	18
		SJ792369 1/2/17 SOD BISULFITE 25%		3,973.03	18
		SJ790483 12/19/16 SOD BISULFITE 25%		4,334.57	18
		SJ793577 1/5/17 SOD HYPO 12.5% LIQUICHLOR		2,141.91	18
		SJ792988 1/3/17 SOD HYPO 12.5% LIQUICHLOR		2,007.55	18
		SJ792239 12/30/16 SOD HYPO 12.5%		2,102.99	18
		SJ790879 12/20/16 SOD HYPO 12.5%		2,013.50	18
		TOTAL		\$18,587.94	

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1/31/2017
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1/31/17

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VENDOR NAME..... VOUCHER TOTAL AMOUNT...

UNIVAR USA INC.	163506	\$2,014.39
UNIVAR USA INC.	163507	\$2,013.50
UNIVAR USA INC.	163508	\$2,102.99
UNIVAR USA INC.	163509	\$2,007.55
UNIVAR USA INC.	163510	\$2,141.91
UNIVAR USA INC.	163511	\$4,334.57
UNIVAR USA INC.	163512	\$3,973.03

\$18,587.94

===== ✓
\$18,587.94

7 records listed.

SVCW WARRANT REGISTER

SVCW Warrant Register for period covering December 31, 2016 to January 13, 2017.
Scanned copy was e-mailed to Commissioners on January 17, 2017.

01-13-17

SILICON VALLEY CLEAN WATER
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FUND RECAP

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NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	35,000.00
CAPITAL IMPROVEMENT FUND	14	241,866.84
OPERATION	18	586,682.86
PLANT - CIP BOND	20	411,515.58
TOTAL FOR APPROVAL		\$1,275,065.28

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9533 THROUGH 9546 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 19466 THROUGH 19541 INCLUSIVE, TOTALING IN THE AMOUNT OF \$1,275,065.28, 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,

 1.12.17
CONTROLLER DATE

 13 Jan 2017

 1-16-17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ACE AMERICAN INSURANCE COMPANY	19466		99,139.55		
CONST.-ADMIN. & LEGAL		1072154 12/16 REIMB FOR W/C D.NEILL CLAIM#498/29838394		99,139.55	20
AIR PRODUCTS GROUP INC	19467		897.88		
MISCELLANEOUS		80255 QTY 16 BOX FILTER		453.44	18
SUPPLIES		80255 QTY 16 BOX FILTER		100.00	18
MISCELLANEOUS		80255 QTY 16 BOX FILTER		344.44	18
AKELA, ARVIND	19468		85.00		
UTILITIES		12012016 REIMB-12/16 CELL/MEETING		45.00	18
MEMB. & MEET.		12012016 REIMB-12/16 CELL/MEETING		40.00	18
APPLEONE EMPLOYMENT SERVICES	19469		1,987.84		
PROFESSIONAL SERVICES		14249341 W/E 10/15/16 ACCT TEMP SVCS-WONG		993.92	18
		14263291 W/E 10/29/16 ACCT TEMP SVCS-WONG		993.92	18
BANK OF NEW YORK MELLON, THE	19470		1,250.00		
INTEREST EXPENSES		2521993009 12/01/16-11/30/17 TRUSTEE FEE		335.50	20
		2521993009 12/01/16-11/30/17 TRUSTEE FEE		607.12	20
		2521993009 12/01/16-11/30/17 TRUSTEE FEE		189.25	20
		2521993009 12/01/16-11/30/17 TRUSTEE FEE		118.13	20
BAY ALARM COMPANY	19471		788.35		
CONTRACT SERV. (NON-MAINT.)		13308629 10/1/16-1/1/17 FIRE MONITORING FEE		776.70	18
		13431814 10/1/16-1/1/17 LATE FEE - FIRE MONITORING		11.65	18
BAY AREA AIR QUALITY MANAGEMEN	19472		15,715.00		
ADMINISTRATIVE EXPENSES		238572 2/1/17-2/1/18 ANNUAL PERMIT RENEWAL - RWCPs		354.00	18
		238573 2/1/17-2/1/18 ANNUAL PERMIT RENEWAL - BLPS		354.00	18
		238589 2/1/17-2/1/18 ANNUAL PERMIT RENEWAL - MPPS		354.00	18
		3XN42 3/1/17-3/1/18 ANNUAL PERMIT RENEWAL - SITE A1534		14,653.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BEECHER ENGINEERING	19473		13,940.00		
PROFESSIONAL SERVICES		111645 10/25-11/24/16 T.O.2016-01 ELECTRICAL ENG SVCS		5,248.00	18
CONTRUCTION-DESIGN		121643 11/25-12/24/16 T.O.2016-03 12KV PLANNING & CONS		82.00	20
		121643 11/25-12/24/16 T.O.2016-03 12KV PLANNING & CONS		82.00	20
PROFESSIONAL SERVICES		121645 11/25-12/24/16 T.O.2016-01 ELECTRICAL ENG SVCS		7,216.00	18
CONTRUCTION-DESIGN		121647 11/25-12/24/16 T.O.2016-06 IT OUTAGE/POWER SURG		820.00	14
CONTRUCTION-DESIGN		121651 11/25-12/24/16 T.O.2016-04 WETSIDED REDUNDANT PO		492.00	20
BROWN & CALDWELL	19474		12,697.40		
CONTRUCTION-DESIGN		11282089 9/30-11/24/16 T.O.2012-01 PUMP STATION PREDES		339.75	20
		11282089 9/30-11/24/16 T.O.2012-01 PUMP STATION PREDES		339.75	20
		11282089 9/30-11/24/16 T.O.2012-01 PUMP STATION PREDES		339.75	20
		11282089 9/30-11/24/16 T.O.2012-01 PUMP STATION PREDES		339.75	20
		11282090 10/28-11/24/16 T.O.2014-06 36" GRAVITY SEWER		1,271.50	20
		11282091 10/28-11/24/16 T.O.2015-06 PST REHAB		1,834.50	20
		11282091 10/28-11/24/16 T.O.2015-06 PST REHAB		611.50	20
		11282198 10/28-11/24/16 T.O.2015-07 REC LIFT STATION C		7,620.90	20
BUCKLES SMITH ELECTRIC COMPANY	19475		2,039.63		
MACHINERY AND EQUIP MAINT MATE		301675500 CREDIT INV 148258800 32PT ML 1400 DC IN RELA		-777.83	18
		301192700 QTY 2 SOLID STATE TIMING RELAY		2,023.74	18
		301662600 QTY1 ML 1400 DC IN RELAY OUT		793.72	18
C.W.E.A. - SCVS	19476		1,260.00		
MEMB. & MEET.		11172016 6/16, 7/21, 8/18, 10/20, 11/17/16 CWEA DINNER		315.00	18
		11172016 6/16, 7/21, 8/18, 10/20, 11/17/16 CWEA DINNER		280.00	18
		11172016 6/16, 7/21, 8/18, 10/20, 11/17/16 CWEA DINNER		175.00	18
		11172016 6/16, 7/21, 8/18, 10/20, 11/17/16 CWEA DINNER		210.00	18
		11172016 6/16, 7/21, 8/18, 10/20, 11/17/16 CWEA DINNER		210.00	18
		11172016 6/16, 7/21, 8/18, 10/20, 11/17/16 CWEA DINNER		70.00	18

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CA ST DEPT OF FISH AND GAME (C CONST.-ADMIN. & LEGAL	19477	122216A NOTIF #1600-2012-0373-R3 AMENDMENT FEE LAKE/ST	1,221.00	1,221.00	20
CA ST DEPT OF FISH AND GAME (C CONST.-ADMIN. & LEGAL	19478	12222016 NOTIF #1600-2012-0373-R3 AMENDMENT FEE LAKE/S	562.00	562.00	20
CA ST-BOARD OF EQUALIZATION MISCELLANEOUS	19479	1132017 10/01/16-12/31/16 SALES TAX ACCRUAL 19-751218	2,088.00	2,087.56	18
		1132017 10/01/16-12/31/16 SALES TAX ACCRUAL 19-751218		0.44	18
CA ST-BOARD OF EQUALIZATION ADMINISTRATIVE EXPENSES	19480	1132017 2016 UNDERGROUND STORAGE TANK MNTC TAX#44-0253	140.00	140.00	18
CA ST-FRANCHISE TAX BOARD MISCELLANEOUS	19481	1132017 09/01/16-12/31/16 FORM 592V NONRESIDENT WITHHO	8,727.68	8,727.68	20
CALIFORNIA DETAILERS, INC. MACH & EQUIP MAINT SERVICES	19482	42984 12/10/16 FLEET VEHICLE WASH ON-SITE	275.00	275.00	18
CALIFORNIA GENERATOR SERVICE MACH & EQUIP MAINT SERVICES	19483	47741 CONTROL BOARD REPLACEMENT & GENERATOR RENTAL	13,380.71	13,380.71	18
CALIFORNIA SANITATION RISK MAN MISCELLANEOUS	19484	6044 12/31/16-12/31/17 PLP POOLED DEPOSIT LESS PLP RET	79,906.89	79,906.89	18
CALPERS - FISCAL SERVICES DIVI RETIREE MEDICAL PAYMENTS	19485	1132017 01/17 PREFUNDING OPEB	35,000.00	35,000.00	12
CASCADE INTEGRATION & DEVELOPM CONTRUCTION-DESIGN	19486	1231 12/16 T.O.2016-01 SOLIDS PROCE AUTO C#8007/18/21	9,990.00	3,330.00	20
		1231 12/16 T.O.2016-01 SOLIDS PROCE AUTO C#8007/18/21		3,330.00	20
		1231 12/16 T.O.2016-01 SOLIDS PROCE AUTO C#8007/18/21		3,330.00	20

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CDW GOVERNMENT, INC.	19487		789.82		
MACHINERY AND EQUIP MAINT MATE		GDX7918 QTY 2 APC REPLACEMENT BATT		789.82	18
CINTAS CORPORATION NO. 3	19488		778.86		
SUPPLIES		464688867 12/2016 LAUNDRY SERVICE		778.86	18
COLLABORATIVE STRATEGIES CONSU	19489		4,977.50		
CONTRUCTION-DESIGN		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		298.65	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		348.43	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		49.78	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		273.76	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		2,737.62	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		597.30	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		199.10	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		273.76	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		99.55	20
		5608SV1216 11/23-12/16/16 T.O.2016-08 ENHANCED PROJECT		99.55	20
CPI INTERNATIONAL INC	19490		136.34		
MISCELLANEOUS		20030562TAX SALES TAX LIABILITY		-8.81	18
SUPPLIES		20030562 LAB SUPPLIES		89.01	18
		20030562 LAB SUPPLIES		28.07	18
		20030562 LAB SUPPLIES		28.07	18
EDGLEY, KIP D.	19491		24,124.16		
CONTRUCTION-DESIGN		1230SV1612 11/28-1/1/17 T.O.2016-01 LABOR IN CA		14,769.00	20
		1230SV1612A 11/28-1/1/17 T.O.2016-01 LABOR OUTSIDE CA		4,387.50	20
		1230SV1612B REIM 11/28-1/1/17 T.O.2016-01 TRAVEL EXPEN		6,001.49	20
MISCELLANEOUS		1230SV1612C 11/28-1/1/17 T.O.2016-01 7% NON RESIDENT W		-1,033.83	20
ENVIRO-CARE INC	19492		27,435.30		
CONSTRUCTION-CONTRACTOR		WEC215303 PARTS C#9229 BEAST 1200 SEPATAGE REC STATION		27,435.30	20

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ENVIRONMENTAL RESOURCE ASSOCIA SUPPLIES	19493	812471 LAB CHEMICALS	227.80	227.80	18
ESPOSTO'S SUPPLIES	19494	51348A 25TH ANNUAL EMPLOYEE RECOGNITION EVENT 2/1/17 I	1,191.06	1,191.06	18
FASTENAL COMPANY SUPPLIES MISCELLANEOUS	19495	CASAA50592 VENDOR MANAGED RESTOCK CASAA50680 QTY 20 CARBON STEEL WELDING WIRE CASAA50819 QTY 100 SS CHANNEL NUT, QTY 2000 NYLON CABL CASAA50819 QTY 100 SS CHANNEL NUT, QTY 2000 NYLON CABL	711.92	134.84 130.02 343.07 103.99	18 18 18 18
FIVESKY CONTRACT SERV. (NON-MAINT.) SUPPLIES PROFESSIONAL SERVICES CONTRACT SERV. (NON-MAINT.) PROFESSIONAL SERVICES	19496	FSUSIN5853 11/9/16-11/8/17 DRUVA PHOENIX ENTERPRISE 1Y FSUSIN5855 WYSE THIN OS SOFTWARE & MAINTENANCE FSUSIN5856 VULNERABILITY SCANNING IT FSUSIN5857 IT SUPPORT FSUSIN5858 IT PERFORMANCE & RISK REPORT SERVICES	123,549.79	23,544.00 2,325.79 12,000.00 67,680.00 18,000.00	18 18 18 18 18
FREYER & LAURETA, INC CONTRUCTION-DESIGN CONSTRUCTION-CONTRACTOR CONTRUCTION-DESIGN	19497	16460 11/16 PLANT LAND USE PROJ C#6004/9160/9192/9221 16460 11/16 PLANT LAND USE PROJ C#6004/9160/9192/9221 16460 11/16 PLANT LAND USE PROJ C#6004/9160/9192/9221 16460 11/16 PLANT LAND USE PROJ C#6004/9160/9192/9221 16480 11/16 T.O.2016-03 PUMP STATION VALVE REPLACEMENT 16480 11/16 T.O.2016-03 PUMP STATION VALVE REPLACEMENT 16489 11/16 T.O.2014-04 CONVEYANCE SYST PROG C#6006 16489 11/16 T.O.2014-04 CONVEYANCE SYST PROG C#6006 16490 11/16 T.O.2015-06 WWTF LAND USE FACILITY CIP#600 16490 11/16 T.O.2015-06 WWTF LAND USE FACILITY CIP#600 16490 11/16 T.O.2015-06 WWTF LAND USE FACILITY CIP#600 16490 11/16 T.O.2015-06 WWTF LAND USE FACILITY CIP#600	7,921.57	231.78 231.78 231.79 231.79 2,278.65 2,278.65 170.00 170.00 524.28 524.28 524.28 524.29	20 20 20 20 14 14 20 20 20 20 20 20

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HACH COMPANY	19498		770.00		
SUPPLIES		10233390 QTY 1 EZ COD RECYCLING KIT		770.00	18
HANSEN, ERIC	19499		11.88		
CONF. & TRAV.		1132017 REIM-12/9/16 MILEAGE		11.88	18
HARRINGTON INDUST PLASTICS	19500		5,380.86		
MACHINERY AND EQUIP MAINT MATE		3K1825 PLUMBING SUPPLIES		1,284.24	18
		3K4147 CREDIT INV 3K1825 RETURN PARTS		-330.14	18
CONSTRUCTION-CONTRACTOR		3K3379 QTY 6 SANITARY BALL		1,204.19	20
MISCELLANEOUS		3K3379 QTY 6 SANITARY BALL		602.11	18
CONSTRUCTION-CONTRACTOR		3K3379 QTY 6 SANITARY BALL		1,754.66	20
MISCELLANEOUS		3K3379 QTY 6 SANITARY BALL		865.80	18
HILLYARD INC	19501		782.21		
MISCELLANEOUS		602335650 JANITOR SUPPLIES		126.13	18
		602335650 JANITOR SUPPLIES		75.93	18
		602335650 JANITOR SUPPLIES		31.24	18
		602335650 JANITOR SUPPLIES		333.40	18
		602335650 JANITOR SUPPLIES		79.30	18
		602335650 JANITOR SUPPLIES		136.21	18
HOME DEPOT CREDIT SERVICES	19502		145.93		
MACHINERY AND EQUIP MAINT MATE		1228201647388 PARTS		145.93	18
JENTECH SERVICES	19503		4,094.50		
MACH & EQUIP MAINT SERVICES		2221 12/30-1/6/17 INSTRUMENT CALIBRATION		2,755.00	18
		2221 12/30-1/6/17 INSTRUMENT CALIBRATION		1,339.50	18
JET-CARE INTERNATIONAL, INC	19504		2,730.75		
MISCELLANEOUS		43847TAX SALES TAX LIABILITY		-245.77	18
MACHINERY AND EQUIP MAINT MATE		43847 OIL SAMPLE BOTTLES JENBACHER ENGINES		2,976.52	18

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JW HEATING AND AIR	19505		140.00		
MACH & EQUIP MAINT SERVICES		20161747 12/20/16 FURNACE AND DUCTING		140.00	18
KEN GRADY COMPANY, INC	19506		285.96		
MACHINERY AND EQUIP MAINT MATE		2335 QTY 1 ATI POWER SUPPLY		285.96	18
MADCO WELDING SUPPLY CO	19507		83.75		
RENTAL/LEASES		8155 8/11-11/16/16 CYLINDER RENTAL		83.75	18
MCGUIREWOODS LLP	19508		44,887.50		
CONST.-ADMIN. & LEGAL		91814390 03/09/15-06/10/15 PROFESSIONAL SVCS		44,887.50	20
NAVIA BENEFIT SOLUTIONS	19509		182.20		
ADMINISTRATIVE EXPENSES		10070583 12/1-12/31/16 PARTICIPANT FEE		182.20	18
NEWARK ELEMENT14	19510		261.67		
MACHINERY AND EQUIP MAINT MATE		28518339 QTY 4 PLUG & SOCKET CONNECTOR PLUG		247.69	18
		28518339 QTY 4 PLUG & SOCKET CONNECTOR PLUG		13.98	18
O.K. LUMBER COMPANY	19511		317.34		
MACHINERY AND EQUIP MAINT MATE		404535 QTY 38 CONCRETE MIX, QTY 3 REBAR		54.50	18
		404535 QTY 38 CONCRETE MIX, QTY 3 REBAR		9.81	18
		404535 QTY 38 CONCRETE MIX, QTY 3 REBAR		231.91	18
SUPPLIES		405145 QTY 2 DOUG FIR STD BTR		21.12	18

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OFFICE DEPOT	19512		907.32		
SMALL TOOLS		886103878001 OFFICE SUPPLIES		52.31	18
OFFICE SUPPLIES		887333659001 OFFICE SUPPLIES		72.79	18
SUPPLIES		887333659001 OFFICE SUPPLIES		52.83	18
OFFICE SUPPLIES		887409917001 OFFICE SUPPLIES		263.49	18
		887827303001 OFFICE SUPPLIES		153.35	18
SUPPLIES		887827303001 OFFICE SUPPLIES		167.87	18
OFFICE SUPPLIES		887832398001 OFFICE SUPPLIES		6.62	18
		889654626001 OFFICE SUPPLIES		138.06	18
OTIS ELEVATOR COMPANY	19513		4,967.01		
MACH & EQUIP MAINT SERVICES		SJ04029117 1/1-3/31/17 ELEVATOR CONTRACT SERVICE		4,967.01	18
PACIFIC GAS AND ELECTRIC COMPA	19514		176,582.51		
UTILITIES		1221201690892 11/15-12/13/16 ELECT UTIL 1406		373.94	18
		1221201690892 11/15-12/13/16 ELECT UTIL 1406		443.77	18
		1121201619225 10/14-11/15/16 SCPS ELEC UTIL		5,633.35	18
		1128201626195 11/22-12/21/16 MPPS ELEC		4,722.75	18
		1130201683066 10/26-11/27/16 PLANT ELECTRIC		76,023.39	18
		1221201619225 11/15-12/13/16 SCPS ELEC UTIL		3,165.64	18
		1221201688673 11/15-12/13/16 BLPS ELEC UTIL		2,163.70	18
		1228201683066 11/28-12/26/16 PLANT ELEC		62,794.88	18
		1230201603894 11/23-12/22/16 LYNGSO ELEC		14.77	18
		75956250 11/2016 DEPARTING LOAD		10,757.51	18
		76031988 11/2016 PLANT DEPARTING LOAD		10,488.81	18
POWER ENGINEERING CONSTRUCTION	19515		80,842.26		
CONSTRUCTION-CONTRACTOR		1540 12/31/15-7/31/16 PRG PMT 3 PROJ#2013.034.40 C#901		2,725.00	20
		155711 11/16 PRG PMT 11 RWC PS 48" FM EMERG REPAIR C#7		78,117.26	20
PRE EMPLOYMENT, INC.	19516		45.00		
PROFESSIONAL SERVICES		31399 BACKGROUND CHECK-CHIU		45.00	18

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QPCS LLC	19517		1,745.00		
CONTRACT SERV. (NON-MAINT.)		12975 10/28/16 ONSITE TECH SUPPORT - INTERCOM SYSTEM		1,745.00	18
R & B COMPANY	19518		259.75		
MACHINERY AND EQUIP MAINT MATE		S1613138002 COMP FLANGE, REDUCING TEE, PVC SOC CROSS		11.22	18
		S1613138002 COMP FLANGE, REDUCING TEE, PVC SOC CROSS		9.07	18
		S1613138002 COMP FLANGE, REDUCING TEE, PVC SOC CROSS		11.99	18
		S1613138002 COMP FLANGE, REDUCING TEE, PVC SOC CROSS		98.17	18
		S1613138002 COMP FLANGE, REDUCING TEE, PVC SOC CROSS		129.30	18
REDWOOD CITY, CITY OF - FINANC	19519		146.71		
MACH & EQUIP MAINT SERVICES		BR42136 10/16-11/15/16 VEHICLE REPAIR/MAINTENANCE CHAR		146.71	18
REDWOOD CITY, CITY OF - WATER	19520		307.66		
UTILITIES		1222201632690 10/22-12/22/16 GREENDALE WATER		307.66	18
REYES, OSCAR	19521		2,928.41		
MISCELLANEOUS		1132017 COMPUTER LOAN PER ADMIN POLICY		2,928.41	18
SANDUL, DUANE	19522		1,700.00		
PROFESSIONAL SERVICES		12SVCW2016 12/16 PROFESSIONAL SERVICES		1,700.00	18
SILICON VALLEY CLEAN WATER (EE	19523		225.00		
SUPPLIES		1132017 02/17 EMPLOYEE ANNIVERSARY		225.00	18
SILICON VALLEY CLEAN WATER (SA	19524		1,910.00		
ADMINISTRATIVE EXPENSES		1132017 02/17 SAFETY INCENTIVE EARNED FOR FEBRUARY 201		1,910.00	18
SWRCB FEES - ST WATER RESOURCE	19525		11,195.00		
ADMINISTRATIVE EXPENSES		WD0121338 2016-2017 NPDES ANNUAL PERMIT FEE		11,195.00	18

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SYNAGRO TECHNOLOGIES INC	19526		66,973.92		
CONTRACT SERV. (NON-MAINT.)		3102714 11/2016 BIOSOLIDS HAULING		46,849.76	18
		3102714 11/2016 BIOSOLIDS HAULING		20,124.16	18
TANNER PACIFIC, INC.	19527		76,054.25		
CONSTRUCTION-CONTRACTOR		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		296.00	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		4,673.50	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		12,275.75	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		5,226.50	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		9,659.50	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		4,142.00	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		88.00	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		12,659.00	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		1,856.00	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		4,546.00	20
		216110 12/18-12/31/16 T.O.2016-01 VARIOUS CONSTRUCTION		5,028.00	20
PROFESSIONAL SERVICES		216111 9/25-12/31/16 T.O.2016-03 CONSTRUCTION ADVISORY		1,590.00	18
CONSTRUCTION-CONSTRUCTION MGMT		216112 12/18-12/31/16 T.O.2016-04 UPS UPGRADE PROJECT		3,178.50	14
		216113 10/9-12/31/16 T.O.2016-05 CONSTRUCTION MGMT		288.00	14
		216113 10/9-12/31/16 T.O.2016-05 CONSTRUCTION MGMT		288.00	14
		216114 12/4-12/31/16 T.O.2016-06 CONSTRU MGMT FOR SAN		1,913.50	14
		216115 10/23-12/31/16 T.O.2016-07 PS VALVE REPLACEMENT		4,173.00	14
		216115 10/23-12/31/16 T.O.2016-07 PS VALVE REPLACEMENT		4,173.00	14
VAPEX ENVIRONMENTAL TECHNOLOGI	19528		222,475.54		
CONSTRUCTION-CONTRACTOR		2161211 11/2016 ODOR CONTROL SYSTEM CIP 269		137,397.77	14
		2161212 11/2016 ODOR CONTROL SYSTEM CIP 269		85,077.77	14
VERIZON WIRELESS	19529		2,533.25		
UTILITIES		9777283176 11/20-12/19/16 VERIZON SERVICE		2,447.21	18
		9777283177 11/20-12/19/16 VERIZON SERVICE		76.02	18
		9777582122 11/24-12/23/16 VERIZON 4G BACKUP ROUTER PLA		10.02	18

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VINCENT ELECTRIC MOTOR COMPANY	19530		20,442.80		
MACH & EQUIP MAINT SERVICES		903237 11/18/16 BLOWER REBUILD		20,442.80	18
VWR INTERNATIONAL, LLC	19531		493.84		
SUPPLIES		8046962958 QTY 1 SOLUTION COD		20.50	18
		8046962959 QTY 3 STIRRING ROD, QTY 1 SODIUM THIOSULFAT		47.91	18
		8046962959 QTY 3 STIRRING ROD, QTY 1 SODIUM THIOSULFAT		10.24	18
		8047002043 QTY 1 DOUBLE SIDED RACK BENCHTOP		138.40	18
		8047023645 QTY 2 DOUBLE SIDED RACK BENCHTOP		276.79	18
WANDRO, ROBERT	19532		84.96		
MEMB. & MEET.		1132017 REIMB-12/21/16 BACWA LAB MEETING		39.96	18
UTILITIES		1132017A REIMB 11/18-12/17/16 CELL PHONE		45.00	18
WATSON-MARLOW INC	19533		2,929.78		
MISCELLANEOUS		SI026425TAX SALES TAX LIABILITY		-259.20	18
		SI026425 QTY 10 PVC BORE PVC TUBING, QTY 10 MARPRENE T		1,144.50	18
		SI026425 QTY 10 PVC BORE PVC TUBING, QTY 10 MARPRENE T		2,044.48	18
WELLS FARGO-COMML OPERATIONS	19534		21,494.27		
INTEREST EXPENSES		1611884352 LOC#7829596836 STATEMENT 12/23/16		688.00	20
		1611884352 LOC#7829596836 STATEMENT 12/23/16		429.43	20
		1611884352 LOC#7829596836 STATEMENT 12/23/16		2,207.16	20
		1611884352 LOC#7829596836 STATEMENT 12/23/16		1,219.68	20
		161184712942 LOC#7829596836 STATEMENT 12/21/16		8,232.61	20
		161184712942 LOC#7829596836 STATEMENT 12/21/16		4,549.38	20
		161184712942 LOC#7829596836 STATEMENT 12/21/16		2,566.23	20
		161184712942 LOC#7829596836 STATEMENT 12/21/16		1,601.78	20
WESTERN ENERGY SYSTEMS	19535		10,151.42		
MACH & EQUIP MAINT SERVICES		3682267 9/26-9/29/16 JENBACHER TRAINING		10,151.42	18

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WESTERN STATES OIL	19536		2,651.38		
MISCELLANEOUS		298776 QTY 165 SHELL MYSELLA S3 N 40W		2,651.38	18
WESTERN WEATHER GROUP INC	19537		1,330.00		
MACH & EQUIP MAINT SERVICES		13977 12/7/16 QUARTERLY AUDIT METEOROLOGICAL STATION		1,222.00	18
		13985 2017 - WEATHER UNDERGROUND DATA UPLOAD		108.00	18
WHITLEY, BURCHETT AND ASSOCIAT	19538		3,456.25		
CONTRUCTION-DESIGN		REISSVC14321 REISS CK#19053 DTD 11/4/16 7/16-8/16 T.O		3,456.25	20
WRA ENVIRONMENTAL CONSULTANTS	19539		3,281.34		
CONTRUCTION-DESIGN		201711628286 11/16 T.O.2015-03 CONVEYANCE SYSTEM CEQA		236.70	20
		201711628286 11/16 T.O.2015-03 CONVEYANCE SYSTEM CEQA		236.70	20
		201711628286 11/16 T.O.2015-03 CONVEYANCE SYSTEM CEQA		236.70	20
		201711628286 11/16 T.O.2015-03 CONVEYANCE SYSTEM CEQA		236.70	20
		201711628286 11/16 T.O.2015-03 CONVEYANCE SYSTEM CEQA		236.70	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		115.38	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		41.96	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		41.96	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		1,153.81	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		83.91	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		125.87	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		20.98	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		146.85	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		251.74	20
		201711828274 11/16 T.O.2016-01 CONVEYANCE SYSTEM CEQA		115.38	20
XEROX CORPORATION	19540		1,440.05		
RENTAL/LEASES		87351842 12/16 XEROX LEASE		1,184.00	18
		87351843 12/2016 XEROX LEASE		256.05	18

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
01/13/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ZUN ZUN	19541		2,500.00		
CONTRACT SERV. (NON-MAINT.)		4003 12/9-12/20/16 WASTERWATER AWARENESS PERFORMANCE		2,500.00	18

TOTAL

\$1,275,065.28



**SOLIDS PROCESS AUTOMATION (CIP #8007, 8018, 8021)
FINAL PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of Solids Process Automation Project (CIP #8007, 8018, 8021) and Authorization to File Notice of Completion.

BACKGROUND

SVCW's Commission has approved automation projects contained within the CIP as a high priority for implementation. The desired result of plant automation is to reduce manual operations, thereby improving permit compliance and overall treatment reliability while allowing for reductions in operations staff. Automation of a wastewater treatment process encompasses all equipment and systems necessary to achieve this desired result, including the Programmable Logic Control system (PLC), control strategies, conduit and wiring, electrical feeders, mechanical equipment, and reliable fail-safes. Removing a treatment plant Operator requires a significant capital investment with the goal being a reduction in long-term O&M expenses and continued compliance with all discharge permit requirements.

A project to automate the solids processes within the treatment plant was initiated in 2011. The processes were: thickening and digestion. Later, primary sedimentation was added. Work to automate these processes is extensive, complex, and time-consuming. With the completion of these systems, the automation program is approximately 50% complete.

DISCUSSION

Bids were opened on October 1, 2013 for the Solids Process Automation (SPA) project. Three bids were received, with Monterey Mechanical (MMC) being the low bid at \$11,149,000 (the two other bids were \$12,231,149 and \$13,956,525). The construction contract was awarded to MMC in October 2013. Work has been ongoing for the project since the Notice to Proceed was issued in November 2013. The original SPA project construction scope included improvements to the Gravity Thickening, Anaerobic Digestion and Dewatering, and Primary Sedimentation systems to automate their operation and replace mechanical and electrical equipment.

During project construction, the scope of work on two of the three solids processes needed to be modified. SVCW had to re-evaluate the sludge thickening systems due to catastrophic failures of two of the four existing gravity thickeners during a plant-wide power failure. This portion of the project was put on hold for MMC until a decision was made on thickening methods. Following a successful Gravity Belt Thickener pilot test, the Gravity Thickener scope was deleted from the Contract and Gravity Belt Thickener system scope was added. In March 2014, while the thickening scope was being reconsidered, work on the Primary Sedimentation system was suspended due to the potential for the sludge thickening system modifications to affect the Primary

Sedimentation design. The Primary Sedimentation work was ultimately released nearly eleven months later in January 2015.

Over the three-plus years of construction, there were a total of one hundred and one (101) contract change orders adding to a total cost of a \$1,858,784. There were four notable contract change order items, all related to the Gravity Thickener failures and resultant project suspension. The four items were presented to the Commission for approval at the costs and on the dates noted below.

- Gravity Belt Thickener procurement (\$489,798) Commission Approved July 2014
- Gravity Thickener deletion (-\$795,000). Commission Approved January 2015
- Gravity Belt Thickener Installation (\$1,285,000) Commission Approved January 2015
- Contract time and cost extension due to project suspension (\$441,930 and 239-day contract extension) Commission Approved August 2016

The overall project cost was \$13,007,784, or approximately 15 percent above the original Bid Amount. Minus the Commission approved change orders noted above, the total change order amount was \$437,056 or 3.92% of the original contract amount.

Substantial Completion was achieved and the certificate was issued December 23, 2016 (attached). A Punch List was issued upon Substantial Completion to be completed before final payment and release of retention. This project was extremely complex in and of itself; with the added complexity of changing major portions of the work, it was a significant coordination and cooperative work effort. The quality of work by the Contractor on this project is excellent and staff is now utilizing the new facilities.

FINANCIAL IMPACT

The Solids Process Automation project is funded from three CIP projects: 8007 – Primary Sedimentation Automation, 8018 – Thickening Process Automation, and 8021 – Anaerobic Digestion Automation. The 2015 CIP Update allocates \$21,200,972 for the three projects; as of December 31, 2016, \$20,615,623 has been expended.

RECOMMENDATION

Move approval to ACCEPT SOLIDS PROCESS AUTOMATION PROJECT (CIP #8007, 8018, 8021) AND AUTHORIZE FILING OF NOTICE OF COMPLETION – Monterey Mechanical Company

**Silicon Valley Clean Water
Solids Process Automation
CIP No. 8007, 8018, and 8021
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of Solids Process Automation - Location Code 14 and 23 are accepted as Substantially Complete in accordance with Specification Sections 00700-8.6 and 00800-1.5, Contract Change Order 041: "Substantial Completion Requirements", Contract Change Order 064: "Contract Time Extension," and as defined herein.

As of December 23, 2016, these portions of the Project are accepted:



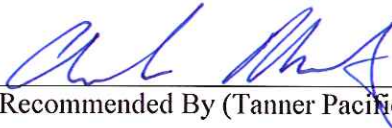

1. All work Location Code 14 Primary Sedimentation except as noted below:
 - a. All work on the attached Punch List, dated December 23, 2016.
2. All work on Digester No. 1 in Location Code 23 except as noted below:
 - a. All work on the attached Punch List, dated December 23, 2016.

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. Monterey Mechanical:
 - 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 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 December 23, 2016.

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 Silicon Valley Clean Water.

The undersigned hereby acknowledge agreement to the above provisions:

 _____ Accepted By (Monterey Mechanical Co.): Ed Moore, Project Engineer	 _____ Date
 _____ Recommended By (Tanner Pacific, Inc.): Andrew Matey, P.E., Construction Manager	 _____ Date

**ACTIONS IN SUPPORT OF PURSUING FEDERAL MONIES THROUGH THE WATER
INFRASTRUCTURE FINANCING AND INNOVATION (WIFIA) ACT**

ISSUE

Approval of Master Service Agreements and Task Orders for Financial Administrative Assistance Services Associated with the Water Infrastructure Finance and Innovation Act (WIFIA) Loan Program and other Governmental Finance Opportunities.

BACKGROUND

Since the inception of its 2008 Capital Improvement Program (CIP), Silicon Valley Clean Water (SVCW) completed over 100 projects and invested approximately \$227 million to rehabilitate and replace aging infrastructure. Total expenditures, once the CIP is complete, are estimated at \$813 million. The majority of the remaining expenditures are to replace a conveyance system built in the 1960s.

As described in the updated January 2017 Long Range Financial Plan, SVCW strives to fund the CIP with the most cost-effective financing possible. To date, the lowest cost source of funds has been the subsidized State Revolving Fund (SRF) program administered by the California State Water Resources Control Board (SWRCB). To illustrate, SVCW has thus far secured three separate SRF loans for a total of \$55 million at interest rates ranging from 1.6 to 2.6 percent.

In September 2016 the SWRCB advised that the SRF program is oversubscribed. They cautioned that unless the state takes significant additional funding action it is unable to satisfy the demand for SRF loans. SVCW will therefore pursue SRF loans along with all other government loan programs that may save money for ratepayers.

In December 2016 the federal government passed legislation to fund the Water Infrastructure Finance and Innovation Act (WIFIA). Administered by the United States Environmental Protection Agency (EPA), the WIFIA mission is to accelerate investments in water and wastewater infrastructure by providing long-term, low-cost supplemental credit assistance to creditworthy water and wastewater projects of national and regional significance. SVCW intends to pursue the WIFIA program due to its flexible borrowing structure and attractive interest rates (currently ~3.1 percent).

DISCUSSION

Governmental loan programs like WIFIA require considerable administrative and financial support during the application process. Activities where assistance is needed includes the development of effective communication to policy-makers, financial pro-forma, revenue feasibility studies, consultations with rating agencies, and proposed terms of any financing agreements. SVCW staff negotiated scopes of work and budgets for the administrative and financial support associated with the WIFIA loan process, and recommends securing the support of three organizations:

- Fieldman, Rolapp & Associates ("FRA") is a California municipal financial advisory firm with extensive experience in wastewater finance issues. The firm is

familiar with SVCW, having entered into a Master Services Agreement (MSA) in July 2015 to develop financial models and debt strategies useful for long range financial planning. Additionally, FRA has direct experience with debt issuance strategies that are aligned with SVCW goals to access capital at the lowest possible cost. Its activities over the next twelve months will include any financial modeling support needed during the WIFIA loan application process. Over the next twelve months, it is anticipated that fees paid to FRA will not exceed \$106,600.

- Ginger Bryant & Associates (“GBA”) is a public relations firm specializing in matters related to local and federal government interactions. GBA will prepare communication materials, including graphic design and branding concepts used during the WIFIA loan application process and in Washington DC meetings. Specific services include identifying the appropriate depth and substance of communication materials, developing talking points for use in Washington DC, and preparation of follow up information. Over the next twelve months, it is anticipated that fees paid to GBA will not exceed \$144,200.
- The Ferguson Group, LLC (“TFG”) provides federal advocacy services with a public sector client base and specializes in securing federal funding, grants, and authorizations for public agencies. TFG has partnered with GBA on other local water projects, and its expertise will be especially valuable in navigating the EPA’s recently-staffed WIFIA program. Over the next twelve months, it is anticipated that fees paid to TFG will not exceed \$126,000.

FINANCIAL IMPACT

Funds will derive from CIP Project #9158, CIP Financial Assistance, to be used for the duration of the CIP. To date, \$1.08 million remains unspent. The total budget for the requested task orders is \$376,800.

RECOMMENDATION

- i. Move approval of TASK ORDER NO. 2017-01 SCOPE AND BUDGET FOR WIFIA ADMINISTRATIVE SUPPORT (CIP #9158) IN AN AMOUNT NOT TO EXCEED \$106,600 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – Fieldman, Rolapp & Associates
- ii. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR PUBLIC RELATIONS CONSULTING SERVICES - Ginger Bryant & Associates
- iii. Move approval of TASK ORDER NO. 2017-01 SCOPE AND BUDGET FOR WIFIA PUBLIC RELATIONS SUPPORT (CIP #9158) IN AN AMOUNT NOT TO EXCEED \$144,200 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – Ginger Bryant & Associates

- iv. Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR INTERGOVERNMENTAL CONSULTING SERVICES - Ferguson Group, LLC
- v. Move approval of TASK ORDER NO. 2017-01 SCOPE AND BUDGET FOR WIFIA INTERGOVERNMENTAL CONSULTING SUPPORT (CIP #9158) IN AN AMOUNT NOT TO EXCEED \$126,000 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS –Ferguson Group, LLC

INSTALLATION OF FLO-BEAST SEPTAGE RECEIVING UNIT (CIP #9229)

ISSUE

Issue Installation Contract for a New Flo-Beast Septage Receiving Unit.

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 that is designed to remove inorganic material from FOG and has worked with the local manufacturer's representative, Enviro-Care, to pilot test the equipment. The equipment is called a "Flo-Beast" and removes debris and contaminants from FOG before the FOG enters the holding tank. Grease haulers connect to the inlet of the Flo-Beast via a quick-connect hose coupling and empty their tanks into it. From the Flo-Beast the now-clean FOG enters the holding tank and, from there, is injected into the digesters.

The Flo-Beast pilot unit has been operating since March 18, 2016 and the results of the pilot test have been stellar. Staff noticed significant removal of contaminants from the FOG (evidenced by the reject captured in the debris bin) and much cleaner FOG entering the holding tank. The maintenance of the equipment was near zero and the operational effort is very low requiring only the emptying of the dumpster on a weekly basis. Additionally, the transfer pipe is not clogging as it was without the Flo-Beast. The Operations and Maintenance Divisions are very satisfied with the operation of the unit.

DISCUSSION

On May 12, 2016 SVCW staff recommended, and the Commission approved, purchase of a Flo-Beast for permanent installation. SVCW received the unit in early January 2017 and is now ready to be installed.

To install the new Flo-Beast unit, SVCW staff prepared installation design documents and requested quotations from three contractors. Two contractors declined to provide quotes and D.W. Nicholson provided a quotation in the amount of \$96,432. This amount is in line with SVCW Engineering staff's expected cost for installation. The reasons provided by other contractors for not providing quotations is 1) an inability to procure the services of an electrical subcontractor 2) lack of resources (staff) to provide services in the amount of time requested by SVCW. D.W. Nicholson is both a General and an Electrical contractor and has performed work for SVCW for over 25 years. The work of D.W. Nicholson has been consistently superior.

FINACIAL IMPACT

The Flo-Beast installation will be 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 will be funded by SVCW and will be credited towards the matching funds committed under the CEC grant.

Several months ago, staff lowered the FOG disposal tipping fee for haulers to determine if this would increase the amount of deliveries. Nearly immediately, the amount of grease being received increased; for example, one hauler began to haul approximately 50,000 gallons per month which is more than half of the previous month's grease received from all haulers combined. Increased FOG received at the plant results in production of extra digester gas, in turn saving SVCW money through increased onsite power cogeneration and offsetting power purchases from PG&E. Also, even with the reduced tipping fee, year-to-date revenues from FOG deliveries are better than forecasted (\$56,984 actual versus \$48,750 budgeted; 16.9% to the positive). The net benefit is power savings and increased revenue for SVCW along with lower disposal cost for the haulers.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS FOR FLO-BEAST INSTALLATION CONTRACT - CIP #9229; AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT – (\$96,432) – D.W. Nicholson Corporation