

**COMMISSION OF SILICON VALLEY CLEAN WATER  
JOINT POWERS AUTHORITY  
REGULAR MEETING – Thursday, September 14, 2017  
8:00 a.m.**

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

**COMMISSIONERS**

MAYOR JOHN SEYBERT, REDWOOD CITY – CHAIR

COUNCIL MEMBER WARREN LIEBERMAN, PhD., BELMONT – VICE CHAIR

BOARD MEMBER GEORGE S. OTTE, P.E., WEST BAY SANITARY DISTRICT – MEMBER

MAYOR ROBERT GRASSILLI, SAN CARLOS – SECRETARY

**MANAGER:** DANIEL T. CHILD

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

**CONTROLLER/TREASURER:** KIMBRA MCCARTHY

**AMERICANS WITH DISABILITIES ACT**

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

**AGENDA**

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENT

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

5. SAFETY MOMENT and REPORTS

- A. Safety Moment
- B. Manager's Report (verbal)
- C. Financial Reports
  - 1. Investment Report July 31, 2017
  - 2. Quarterly Financial Update June 30, 2017
  - 3. CIP Financial Planning/Bond Issuance Presentation/Direction
- D. Engineering Projects Status Update August 2017
- E. Commission Requested Staff-Level Action Items
- F. RESCU Program Design-Build Project Status Update Presentation

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

8. BUSINESS ITEMS

- A. CONSIDERATION OF RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR THICKENING IMPROVEMENTS PHASE 1 PROJECT INSTALLATION OF TWO ROTARY DRUM THICKENERS (CIP #9168)

Proposed Action: Move adoption of RESOLUTION ACCEPTING CONTRACT DOCUMENTS AND ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER FOR THICKENING UPGRADE PHASE 1 (CIP #9168); REJECTING ALL OTHER BIDS, AUTHORIZING EXECUTION OF AGREEMENT FOR SAID WORK, DIRECTING RETURN OF SECURITY DEPOSITS THEREFORE, AND AUTHORIZE MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT (\$995,000) – C. OVERAA & CO.

- B. CONSIDERATION OF RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR THE SOLIDS HANDLING BUILDING HVAC DUCT REPAIR PROJECT (CIP #9169)

Proposed Actions:

- i. Move approval to SUSPEND COMPETITIVE BIDDING REQUIREMENTS FOR SOLIDS HANDLING BUILDING HVAC DUCT REPAIR PROJECT (CIP #9169) ON THE GROUNDS THAT THE PUBLIC INTEREST WOULD NOT BE SERVED BY STRICT COMPLIANCE WITH SAID REQUIREMENTS (5/7th WEIGHTED VOTE COUNT REQUIRED)
- ii. Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR THE SOLIDS HANDLING BUILDING HVAC DUCT REPAIR PROJECT (CIP #9169), ACCEPTING BID AND AUTHORIZING EXECUTION OF

AGREEMENT, AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT (\$193,500) – BLOCKA CONSTRUCTION

C. CONSIDERATION OF RESOLUTION RATIFYING MANAGER’S DECLARATION OF EXISTENCE OF AN “EMERGENCY CONDITION” AND APPROVING REPAIR OF ESSENTIAL FACILITIES

Proposed Action: Move adoption of RESOLUTION DECLARING EXISTENCE OF EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY AND APPROVING AND RATIFYING EXECUTION OF CONTRACTS FOR REPAIR OF ESSENTIAL PUBLIC FACILITIES RELATING THERETO (TREATMENT PLANT 12 KVA ELECTRICAL SUPPLY) (4/5<sup>ths</sup> weighted vote required)

9. CLOSED SESSION – NOT USED

10. 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.

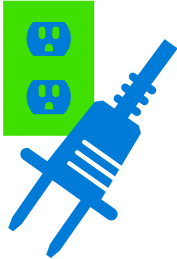
7. A. APPROVAL OF MINUTES – August 10, 2017

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED JULY 29, 2017 AND NECESSARY PAYMENTS THROUGH SEPTEMBER 1, 2017

C. CONSIDERATION OF MOTION ACCEPTING THE FINAL PROJECT AND FILING NOTICE OF COMPLETION FOR THE DUAL MEDIA FILTERS A1-A5 COATING PROJECT (CIP #9014, 9222, and 9226)

Proposed Action: Move approval to ACCEPT DUAL MEDIA FILTER A1 – A5 COATING PROJECT (CIP #'s 9014, 9222, and 9226) AND AUTHORIZE FILING NOTICE OF COMPLETION – ERS INDUSTRIAL SERVICES

.....**SAFETY MOMENT.**  
**BASIC ELECTRICAL SAFETY**



According to information from the Electrical Safety Foundation International, every year electrical accidents cause approximately 165,000 electrical fires, 900 deaths, and 7,000 injuries. Electrical accidents can be prevented by understanding how electricity works and recognizing potential hazards.

**Basic Electrical Information**

- Electricity naturally seeks the path of least resistance to the ground.
- If your body happens to be in the path of least resistance due to a shorted wire/receptacle or malfunctioning power tool or appliance, the electricity will pass through you and into the ground (i.e., the earth) unless you are standing on a non-conductive surface.
- You will experience a shock as the electricity passes from you to the ground.
- An electrical path of least resistance that passes through your vital organs can result in a serious injury.

**Basic Electrical Safety Practices**

- Remove frayed, defective, or damaged power cords/plugs, receptacles, switches, cover plates, appliances, and power tools from service by attaching a red tag that states "DO NOT USE." Complete red tag with appropriate information and notify your supervisor.
- Always insert plugs into receptacles with similar prong or blade patterns.
- Never alter a plug by removing, bending, or twisting the prongs or blades.
- Flickering/dimming lights, tripped circuit breakers, blown fuses, and warm receptacles or electric cords are signs of potentially overloaded circuits.
- If a circuit appears to be overloaded, reduce the load by disconnecting appliances or power tools from the circuit.
- A 15 amp circuit should not exceed a 1,500 watt load and a 20 amp circuit should not exceed a 2,000 watt load when used less than three hours. For more than three hours of continuous use, a 15 amp circuit and 20 amp circuit may not exceed 80% of their load or 1440 watts and 1,920 watts, respectively, unless the circuit breakers are rated and marked for 100% load.
- Never touch energized power tools or appliances that are wet or lying in water. Always de-energize wet tools or appliances before touching.
- Do not yank on power cords to disconnect equipment. Always grip the plug when disconnecting equipment.
- Never replace a correctly-sized fuse with a larger-sized fuse.
- Ground fault circuit interrupters (GFCIs) should be used whenever electricity and water are within six feet of each other. GFCIs should also be used with temporary wiring "during maintenance, remodeling, or repair of buildings, structures, or equipment or during similar activities" involving construction.
- A grounded three-prong adapter shall be used to connect a three-prong plug to a two-prong receptacle.
- Always be aware of the electrical hazards present in your work area.
- Plug power strips directly into wall outlets. Do not daisy chain two or more together to increase length.

## SILICON VALLEY CLEAN WATER

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SILICON VALLEY CLEAN WATER  
INVESTMENT LISTING  
July 31, 2017

Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
Annual OPS and CAP Budget Reserve								
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	1.81	29,859	29,999	30,932	543
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2020	5.000%	1.97	53,292	55,112	56,223	1,086
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.48	60,000	61,277	61,842	908
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.65	30,000	29,753	30,417	490
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.25	85,000	85,570	85,940	1,073
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/17/2018	1.950%	1.37	100,000	100,717	101,440	1,384
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.269%	1.09	50,000	50,066	49,959	546
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.41	125,000	127,648	129,480	1,801
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.44	50,000	52,805	52,543	758
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/13/2019	4.500%	1.46	100,000	106,332	108,206	1,556
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.53	30,000	29,996	30,378	460
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.62	100,000	99,670	99,882	1,617
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.66	100,000	99,058	99,610	1,645
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.32	60,000	60,230	60,686	796
FEDERAL NATL MTG ASSN GTD REMIC	NR	09/25/2019	2.171%	1.71	140,727	141,895	142,574	2,429
FEDERAL NATL MTG ASSN	AA+	09/25/2020	1.750%	1.65	100,000	100,058	100,822	1,648
FEDERAL HOME LN MTG CORP MULTICLASS	NR	11/25/2019	1.869%	1.73	130,000	130,298	129,817	2,254
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.36	30,000	30,209	30,506	411
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.44	30,000	29,867	30,194	429
FEDERAL HOME LN MTG CORP MULTICLASS	N.A.	04/15/2020	4.000%	1.92	26,596	27,039	27,394	519
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2019	5.500%	1.90	39,746	40,840	42,031	776
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	03/01/2020	5.500%	1.84	14,710	14,798	15,243	272
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2020	5.000%	1.98	25,111	25,879	26,508	512
GNMA II PASSTHRU CTF POOL #003421	N.A.	08/20/2018	4.500%	2.11	10,107	10,114	10,589	213
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.449%	1.39	75,000	75,163	74,771	1,046
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.37	50,000	50,938	51,280	696
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.51	25,000	25,213	25,583	380
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.40	50,000	50,853	51,588	712
SMALL BUSINESS ADMIN GTD LN POOL	N.A.	02/25/2019	4.075%	2.89	31,613	31,858	32,804	921
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.46	50,000	50,271	50,076	731
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	1.73	50,000	50,106	49,712	868
WELLS FARGO & CO NEW SR GBL NT	A+	12/11/2017	5.625%	1.41	50,000	50,760	50,997	714
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.38	80,000	79,618	80,000	1,096
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	1.73	100,000	98,730	100,049	1,709
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	1.90	100,000	102,066	104,648	1,935
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.12	100,000	102,211	104,828	2,170
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.70	110,000	116,425	118,630	1,973
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.61	80,000	79,738	80,000	1,280
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.07	60,000	59,828	60,000	1,239
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.16	40,000	39,978	40,000	862
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.70	80,000	79,908	80,000	1,355
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	1.66	150,000	149,673	150,000	2,482
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	1.54	70,000	69,719	69,549	1,073
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	1.77	70,000	68,946	69,020	1,217
CASH & EQUIVALENTS	-	-	-	0.91	-	530,338	530,338	4,826
Annual OPS and CAP Budget Reserve Total						\$ 3,501,567	\$ 3,527,087	\$ 53,411



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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
<b>Capital Improvement Program Reserve</b>								
APPLE INC SR FLT NT	AA+	02/07/2020	1.430%	1.38	100,000	100,419	99,821	1,381
BERGEN CNTY N J TAXABLE GO BDS 2008	N.A.	11/01/2019	6.000%	1.55	100,000	105,630	106,498	1,634
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.43	100,000	103,051	103,892	1,475
CALIFORNIA ST GO BDS TAXABLE	AA-	10/01/2019	6.200%	2.03	100,000	109,268	110,063	2,214
CHEVRON CORPORATION SR NT	AA-	03/03/2019	4.950%	1.59	100,000	105,234	105,848	1,669
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.65	125,000	133,360	132,768	2,198
COLGATE PALMOLIVE CO MTNS FR	AA-	11/01/2018	1.500%	1.36	100,000	100,095	100,242	1,364
EXXON MOBIL CORP SR FLT NT	AA+	03/15/2019	1.396%	1.34	100,000	100,178	99,935	1,340
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	1.81	10,039	10,086	10,400	183
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	2.05	40,977	41,970	43,205	860
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.48	340,000	347,239	345,416	5,146
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.65	100,000	99,177	101,391	1,632
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	12/01/2017	2.500%	1.05	500,000	502,625	503,890	5,283
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/05/2018	4.500%	1.17	500,000	507,655	508,785	5,919
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/22/2017	5.000%	0.98	25,000	25,156	25,517	245
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/22/2018	5.050%	1.43	20,000	20,703	20,717	295
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/06/2020	5.300%	1.66	450,000	493,605	497,601	8,194
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/29/2017	4.750%	0.86	500,000	503,275	509,524	4,333
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/03/2019	5.320%	1.46	50,000	53,956	54,588	787
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	02/27/2018	4.670%	1.20	450,000	458,879	466,313	5,511
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/08/2017	2.250%	1.08	250,000	250,298	251,623	2,708
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.62	60,000	62,276	62,914	1,009
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	2.625%	1.28	500,000	502,465	504,220	6,422
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.25	25,000	25,168	25,277	316
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	1.47	250,000	250,448	250,000	3,669
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.46	60,000	64,418	65,302	942
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	4.625%	1.59	200,000	217,086	216,520	3,452
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/14/2018	3.750%	1.38	250,000	258,133	259,088	3,562
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.44	25,000	26,403	26,272	379
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	4.125%	1.49	125,000	132,789	134,414	1,976
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.53	700,000	746,760	750,700	11,396
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.48	100,000	100,425	101,676	1,481
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.53	50,000	49,994	50,630	767
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.62	170,000	169,439	169,783	2,748
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.62	325,000	327,808	332,137	5,320
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.66	240,000	237,739	239,651	3,949
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.32	150,000	150,575	151,715	1,991
FEDERAL HOME LN MTG CORP MULTICLASS	NR	06/25/2020	3.531%	1.87	100,000	104,268	106,188	1,946
FEDERAL HOME LN MTG CORP	AA+	06/13/2018	4.875%	1.27	115,000	118,588	119,370	1,507
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.35	500,000	519,585	522,673	7,025
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.36	50,000	50,348	50,843	685
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.44	50,000	49,779	50,323	714
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	2.92	250,000	251,878	266,641	7,355
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	2.680%	1.94	470,467	476,649	490,021	9,247
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	1.940%	1.74	462,466	463,248	466,802	8,061
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	5.000%	1.92	53,913	55,141	56,828	1,059
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	2.42	205,432	216,605	227,901	5,242
INTERNATIONAL BUSINESS MACHS SR GLBL	A+	02/06/2018	1.369%	1.27	100,000	100,121	99,977	1,272
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.37	25,000	25,469	25,640	348
MICROSOFT CORP NT	AAA	06/01/2019	4.200%	1.46	100,000	104,803	104,647	1,531
MONONA WIS TAXABLE PROM NTS 2015B	N.A.	06/01/2020	3.250%	2.48	100,000	101,911	101,838	2,525
NEW YORK N Y GOBDS 2011 C TAXABLE	AA	10/01/2018	3.480%	1.51	100,000	102,190	102,255	1,539
OHIO ST GO BDS 2009 C TAXABLE	AA+	03/01/2018	4.371%	1.44	100,000	101,748	102,842	1,461
PASADENA CALIF PUB FING AUTH L LEASE	AA	03/01/2018	4.224%	1.57	25,000	25,300	25,496	397
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.55	500,000	510,660	516,625	7,905
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.41	25,000	25,380	25,498	357
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.38	100,000	99,523	100,000	1,369
MONTGOMERY CNTY MD CTF5 PARTN COPS	N.A.	11/01/2019	1.200%	1.73	100,000	98,730	100,049	1,709
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	1.90	100,000	102,066	104,648	1,935
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	2.01	100,000	101,417	102,982	2,042
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	11/01/2020	3.410%	2.09	117,465	122,397	125,834	2,558
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	1.87	100,000	102,054	103,730	1,912
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.05	100,000	98,698	100,127	2,022
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.12	225,000	229,975	235,863	4,882
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.70	165,000	174,638	177,944	2,960
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	1.94	260,000	258,812	260,000	5,026
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.61	260,000	259,150	260,000	4,159
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.85	340,000	339,204	340,000	6,268
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.07	80,000	79,771	80,000	1,652
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.16	120,000	119,933	120,000	2,586
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.70	80,000	79,908	80,000	1,355
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	1.66	220,000	219,520	220,000	3,640
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.07	220,000	219,336	220,000	4,547
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.22	220,000	219,831	219,505	4,871
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	1.54	120,000	119,518	119,227	1,839
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	1.77	140,000	137,892	138,040	2,434
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	1.83	310,000	316,981	317,712	5,804
FEDERAL NATL MTG ASSN	AA+	01/05/2022	2.000%	1.84	310,000	312,418	311,600	5,739
CASH & EQUIVALENTS	-	-	-	0.91	-	1,495,244	1,495,244	13,607
<b>Capital Improvement Program Reserve Total</b>						<b>\$ 16,204,464</b>	<b>\$ 16,333,243</b>	<b>\$ 248,843</b>

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Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
<b>Stage 2 Capacity Reserve</b>								
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.43	100,000	103,051	103,885	1,475
CEDAR PARK TEX CTFB OBLIG TAXABLE	AA	08/15/2018	5.280%	1.57	50,000	51,836	52,469	814
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.65	75,000	80,016	79,661	1,319
CONOCOPHILLIPS NT	BBB+	05/15/2018	5.200%	-	50,000	51,375	51,784	-
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	2.05	40,977	41,970	43,205	860
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	11/01/2020	4.500%	1.87	40,729	41,616	42,459	778
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.48	100,000	102,129	103,070	1,514
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.65	100,000	99,177	101,391	1,632
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/29/2018	0.875%	1.26	100,000	99,650	100,070	1,253
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	05/15/2018	4.500%	1.36	100,000	102,728	103,088	1,400
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/29/2017	4.750%	0.86	250,000	251,638	254,690	2,167
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/28/2018	4.780%	1.38	55,000	57,253	57,709	788
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/08/2017	2.250%	1.08	250,000	250,298	251,623	2,708
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.62	60,000	62,276	62,914	1,009
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.25	100,000	100,670	101,106	1,262
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	1.47	200,000	200,358	200,000	2,935
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.269%	1.09	50,000	50,066	49,959	546
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.46	50,000	53,682	54,418	785
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.41	75,000	76,589	77,688	1,081
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.44	100,000	105,610	105,086	1,517
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.53	125,000	133,350	133,931	2,035
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.48	100,000	100,425	101,676	1,481
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.53	100,000	99,987	101,260	1,534
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.62	100,000	99,670	101,038	1,617
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.62	175,000	176,512	178,843	2,865
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.66	180,000	178,304	180,262	2,962
FEDERAL NATL MTG ASSN	AA+	01/14/2019	3.275%	1.47	100,000	102,830	102,562	1,514
FEDERAL HOME LN MTG CORP MULTICLASS	NR	10/25/2020	2.788%	1.75	62,833	63,705	64,404	1,114
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.35	250,000	259,793	261,276	3,512
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.36	100,000	100,695	101,685	1,369
FEDERAL HOME LN MTG CORP	AA+	08/01/2019	1.250%	1.41	100,000	99,719	101,099	1,403
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.44	100,000	99,558	100,645	1,429
FEDERAL HOME LN MTG CORP	AA+	04/09/2018	0.750%	1.21	100,000	99,671	99,836	1,204
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	2.92	200,000	201,502	213,313	5,884
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2020	4.000%	1.97	71,242	73,831	74,648	1,454
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	2.42	171,824	181,170	190,618	4,384
GARNER N C GO PUB IMPT BDS TAXABLE	AA+	02/01/2018	3.050%	1.54	50,000	50,340	50,791	777
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.449%	1.39	100,000	100,217	99,695	1,395
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.37	100,000	101,875	102,559	1,392
JPMORGAN CHASE & CO SR NT	A-	03/01/2021	2.550%	2.25	50,000	50,430	51,073	1,133
LANCASTER CNTY NEB SCH DIST NO SCH	AA	01/15/2021	4.550%	2.52	50,000	53,469	54,457	1,346
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.51	50,000	50,425	51,165	759
NORFOLK VA GO CAP IMPT BDS 2010 B	AA	03/01/2019	4.650%	2.00	100,000	104,246	105,244	2,081
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.40	100,000	101,705	103,176	1,425
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.55	200,000	204,264	206,530	3,162
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.46	100,000	100,541	100,151	1,463



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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
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	1.73	50,000	50,106	49,712	868
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.41	100,000	101,519	101,993	1,427
XTO ENERGY INC SR NT	AA+	06/15/2018	5.500%	1.50	100,000	103,406	104,092	1,552
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.38	200,000	199,046	200,000	2,739
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	11/01/2019	1.200%	1.73	100,000	98,730	100,049	1,709
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	2.01	150,000	152,126	154,473	3,062
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	1.87	150,000	153,081	155,595	2,869
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.05	100,000	98,698	100,127	2,022
FEDERAL HOME LN MTG CORP	AA+	08/25/2021	1.250%	2.09	90,000	88,835	90,000	1,852
METRO WASTEWTR RECLAMATION DIS REV	AA+	04/01/2019	4.718%	1.85	100,000	105,150	107,178	1,945
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.70	55,000	58,213	59,315	987
FEDERAL HOME LN MTG CORP	AA+	03/30/2021	1.500%	1.81	60,000	59,216	60,000	1,070
FEDERAL HOME LN MTG CORP	AA+	09/30/2021	1.050%	2.56	100,000	98,063	99,900	2,514
FEDERAL NATL MTG ASSN	AA+	09/30/2019	1.250%	1.56	60,000	59,671	59,985	930
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	1.94	60,000	59,726	60,000	1,160
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.85	100,000	99,766	100,000	1,844
FEDERAL NATL MTG ASSN	AA+	08/24/2020	1.875%	1.90	250,000	249,968	250,000	4,757
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.07	80,000	79,771	80,000	1,652
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.16	60,000	59,966	60,000	1,293
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.70	40,000	39,954	40,000	678
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/05/2022	2.240%	2.27	120,000	119,886	120,000	2,721
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.07	150,000	149,547	150,000	3,100
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.22	150,000	149,885	149,663	3,321
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	1.77	80,000	78,795	78,880	1,391
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	1.83	120,000	122,702	122,985	2,247
FEDERAL NATL MTG ASSN	AA+	01/05/2022	2.000%	1.84	120,000	120,936	120,619	2,222
CASH & EQUIVALENTS	-	-	-	0.91	-	2,053,644	2,053,644	18,688
Stage 2 Capacity Reserve Total						\$ 9,780,623	\$ 9,856,419	\$ 147,156
Subtotal, Bank of the West						\$ 29,486,654	\$ 29,716,748	\$ 449,411
California Local Agency Investment Fund	LAIF	-	-	1.051		\$ 4,675,135	\$ 4,675,135	49,136
TOTAL UNRESTRICTED INVESTMENTS						\$ 34,161,789	\$ 34,391,883	\$ 498,547
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%	-	-	4,334	4,334	-	-
2009 Reserve Account - Federal National Mortgage Assn 313G3Q73	Aaa	7/26/2019	1.150%	1.16	4,742,047	4,780,000	55,008	-
2009 Reserve Account - BMW BK North Amer Salt Lake 05580ACK8	Aa	7/24/2019	2.000%	1.98	151,177	150,000	2,993	-
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	0.000%	-	-	100,367	100,367	-	-
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	0.000%	-	-	62,656	62,656	-	-
2009 Revenue FD Account - Morgan Stanley Treas Sec X9USDMORS	-	0.000%	-	-	535	535	-	-
2014 Revenue Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	-	425	425	-	-
2014 Revenue Account - Cash	-	0.000%	-	-	3	1,400,053	-	-
2014 Interest Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	-	13	13	-	-
2014 Principal Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	-	7	7	-	-
2014 Project Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	-	3,256	3,255	-	-
2014 Project Account - Cash	-	0.000%	-	-	20	20	-	-
2014 COI Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	0.000%	-	-	5,135	5,133	-	-
2014 COI Account - Cash	-	0.000%	-	-	31	31	-	-
2015 Project Account - LAIF	-	0.000%	-	1.051	383,063	383,063	4,026	-
2015 Project Account - Cash	-	0.000%	-	-	744	744	-	-
2015 Revenue Account - JP Morgan Prime MMKT Instl X9USDJPMP	-	0.000%	-	-	163	163	-	-
2015 Revenue Account - Cash	-	0.000%	-	-	1	1	-	-

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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 - Cash		-	0.000%	-		7,579,525	7,579,525	-
2009 Escrow - United States Treasury 912828UJ7	Aaa	1/31/2018	0.875%	0.88		598,125	599,629	5,264
2009 Escrow - Resolution Funding Corp Interest Strip 76116EFS4	Aaa	7/15/2018	0.000%	-		333,359	329,183	-
2009 Escrow - United States Treasury 912828VQ0	Aaa	7/31/2018	1.375%	1.37		263,279	265,978	3,607
2009 Escrow - United States Treasury 912828B33	Aaa	1/31/2019	1.500%	1.50		604,694	610,349	9,070
2009 Escrow - Tunisia Government Aid Bonds 066716AG6	Aaa	7/16/2019	1.686%	1.68		40,469,700	40,944,692	679,891
2009 Escrow - Cash		-	0.000%	-		950,779	950,779	-
Subtotal, Bank of New York (Trustee)						\$ 56,253,451	\$ 58,170,948	\$ 759,859
Less Amounts held in Escrow for 2008 and 2009 Bond Defeasance						\$ (50,799,462)	\$ (51,280,135)	\$ (697,832)
Net Total, Bank of New York (Trustee)						\$ 5,453,990	\$ 6,890,813	\$ 62,027
Uninvested Operating Cash		-				2,213,059	2,213,059	-
TOTAL CASH & INVESTMENTS, UNRESTRICTED AND WITH TRUSTEE						\$ 41,828,838	\$ 43,495,756	560,574
							Weighted Average Yield to Maturity %	1.34%

Summary by Investment Type:	Market Value
US Treasuries	\$ 167,906
Agencies	24,389,531
Commercial Paper / Corporate Bonds	2,474,880
Municipal Bonds / Notes	3,436,240
Money Market / Certificates of Deposit	6,302,082
Local Agency Investment Fund	5,058,198
<b>TOTAL</b>	<b>\$ 41,828,838</b>

Summary by Purpose / Restriction Level	Market Value
Working Capital	\$ 6,888,194
Operations & Capital Budget Reserve	3,501,567
Capital Improvement Program Reserve	16,204,464
Stage 2 Capacity Reserve	9,780,623
Debt Reserve	5,070,019
Debt Proceeds	383,970
<b>TOTAL</b>	<b>\$ 41,828,838</b>

Summary by Liquidity:	Market Value
0-1 years	\$ 18,050,050
1-2 years	10,494,540
2-3 years	6,145,331
3-5 years	7,138,917
<b>TOTAL</b>	<b>\$ 41,828,838</b>

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

  
M. Anderson

**FINANCE STATUS REPORT**ISSUE

Review of the Operating Fund Financial Update as of June 30, 2017. This Update is a Preliminary Estimate for the full 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:** For the full fiscal year, actual revenue exceeded budget by nearly \$162 thousand (0.7%). SVCW received \$130 thousand more grant revenue than anticipated from PG&E, reflecting better-than-expected performance of cogeneration engines. Additionally, grease & septic revenue was \$99 thousand higher than budget, as volume increased in response to SVCW dropping rates.

There are other minor adjustments, including the write-off of fixed assets, that had a negative impact to revenue for the year. All Member contributions were paid in full and on time. The final audit will capture all adjustments that are not currently reflected in the above numbers.

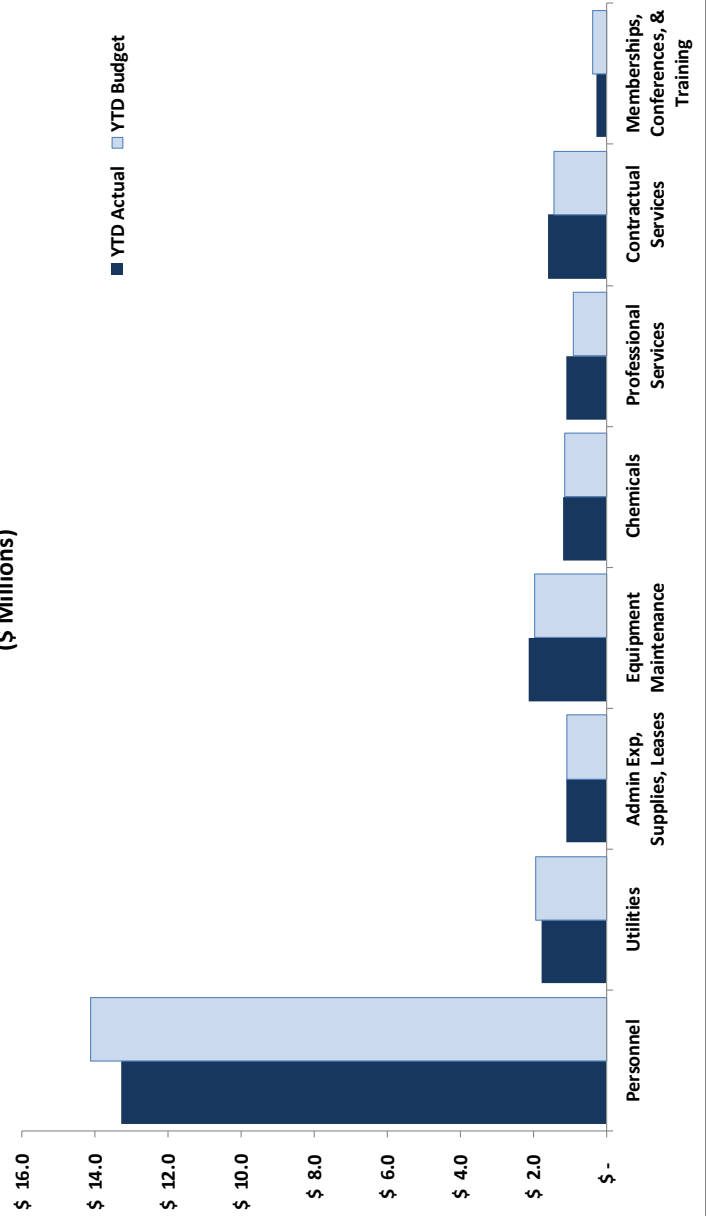
**Expense:** For the full fiscal year, operating expenses were \$553 thousand or 2.4% less than the \$22.97 million budget. Notable variances include:

- Personnel expense was \$856 thousand (6.1%) below budget due to a combination of two unfilled positions, plus the reversal of an accrued liability related to pension contribution payments.
- Utilities expense was \$148 thousand (7.7%) less than budget as cogeneration engines continue to perform better than planned.
- Equipment Maintenance costs were \$165 thousand (8.4%) higher than budget due to unexpected repairs of drying bed operating equipment.
- Chemicals expense was \$46 thousand (4%) more than budget. Certain favorable price advantages were outweighed by the negative cost impact of wet weather.
- Professional Services expense was \$198 thousand more than budget, related to a compensation survey, contracting policy review, as well as legal counsel for a CalPERS audit and changes in Fair Labor Standards Act case law.
- Contractual Services expense was \$153 thousand (10.6%) higher than budget. The extraordinarily wet weather resulted in more expensive biosolids hauling. SVCW also performed unplanned landscape cleanup around its stormwater retention ponds to maintain efficiency and prevent plugging.
- Memberships, Conferences, & Training expense was \$110 thousand (29.3%) less than budget. Engineering opted not to join a recycled water membership, several conferences were not attended, some training was deferred, and a portion of safety training was performed in-house rather than outsourced.

**SVCW Operating Revenue and Expenditures versus Budget - Through June 30, 2017**

Description	YTD Actual	YTD Budget	\$ Better/ (Worse)	% Better/ (Worse)	Comment
<b>Revenue:</b>					
	\$ 23,137,517	\$ 22,975,931	\$ 161,586	0.7%	\$130K of additional grant revenue for cogeneration incentive payments. Revenue from restaurant grease deliveries doubled the amount budgeted after a rate reduction.
<b>Expenditures:</b>					
Personnel	\$ 13,276,161	\$ 14,132,794	\$ 856,633	6.1%	Reversed an accrued liability related to pension contribution funds. Additional savings from two vacant positions for several months.
Utilities	1,777,805	1,925,638	147,833	7.7%	Cogeneration engines outperformed expectations. Additionally, point-to-point I.T. connectivity lowered solution.
Admin Exp, Supplies, Leases	1,088,220	1,088,983	763	0.1%	
Equipment Maintenance	2,129,892	1,964,975	(164,917)	(8.4%)	Repairs to drying bed tractor and dump truck equipment, pump repairs outsourced.
Chemicals	1,181,551	1,135,875	(45,676)	(4.0%)	Chemical usage was above budget due to extraordinary wet weather conditions.
Professional Services	1,105,678	907,539	(198,139)	(21.8%)	Additional compensation survey activity, legal contracting advice, and legal counsel related to Fair Labor Standards Act changes and CalPERS audit.
Contractual Services	1,598,442	1,445,077	(153,365)	(10.6%)	Biosolids disposal costs higher than budgeted due to extended wet weather season. Utilized temp staffing in lieu of filling utility worker vacancy. Additional landscaping around stormwater retention ponds. Safety-related unbudgeted polymer sludge disposal.
Memberships, Conferences, & Training	265,189	375,050	109,861	29.3%	Timing of training and conferences.
<b>TOTAL Expenditures:</b>	<b>\$ 22,422,939</b>	<b>\$ 22,975,931</b>	<b>\$ 552,993</b>	<b>2.4%</b>	

**Operating Expenditures through June 30, 2017**  
(\$ Millions)





## UPDATE REGARDING FINANCIAL PLANNING FOR CAPITAL IMPROVEMENT PROGRAM; 2018 REVENUE BONDS

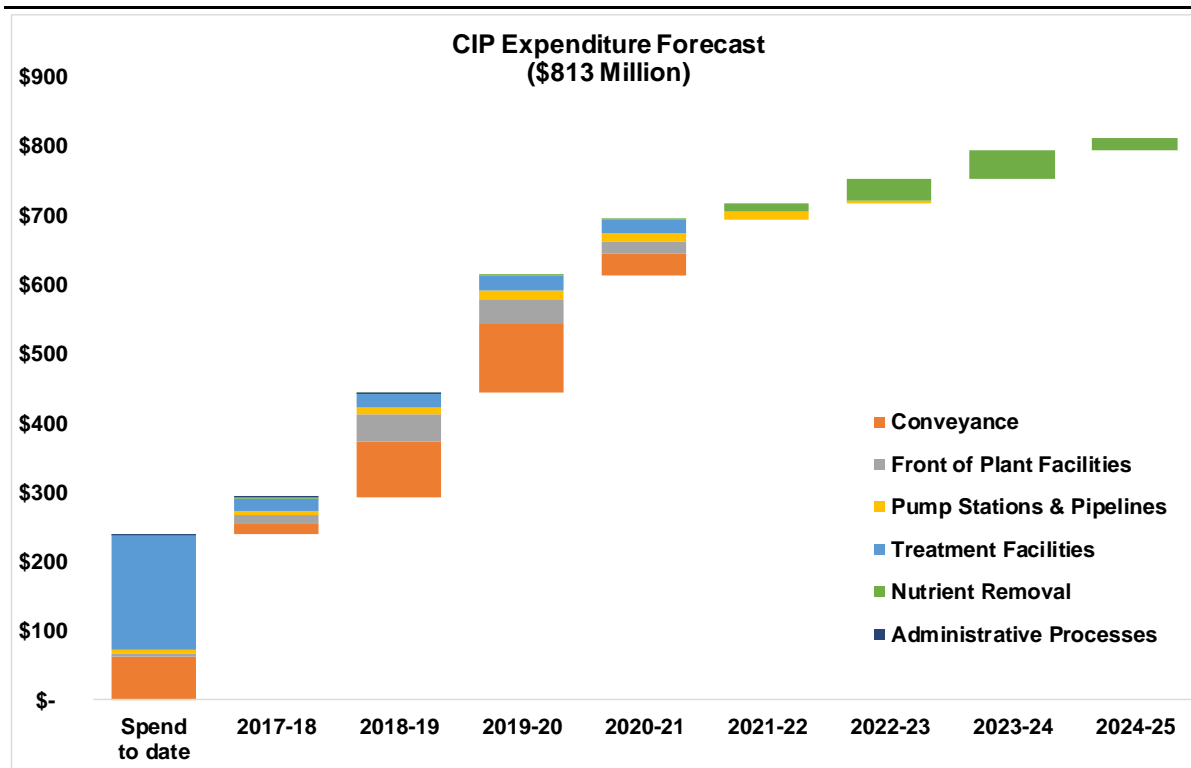
### ISSUE

Receive an Update Regarding Debt Strategies to Fund the Capital Improvement Program (CIP) and Direct Manager to Enter Into Agreements for Financial Advisory and Legal Counsel Related to Bond Issuance.

### BACKGROUND

Since its inception in 2008, the CIP strategy has replaced, rehabilitated and modernized substantial pieces of an aged wastewater treatment plant and conveyance system. Examples of completed projects include replacement of the 48-inch portion of the forcemain, a new control building, and the section of effluent pipeline located on land. Additionally, major upgrades were made to treatment processes, digester tanks and mixing systems, as well as electrical and control systems. Expenditures to date are nearly \$240 million, and per the 2015 CIP plan update will total approximately \$813 million when complete.

CIP Expenditures - Forecast (\$ Millions)										
CIP Program	Spend to date	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	Total
Conveyance	\$ 63.3	\$ 17.0	\$ 80.0	\$ 100.0	\$ 32.0	\$ -	\$ -	\$ -	\$ -	\$ 292.3
Front of Plant Facilities	2.6	10.0	40.0	34.0	17.0	-	-	-	-	103.6
Pump Stations & Pipelines	7.4	6.4	10.0	15.0	12.0	12.0	5.0	-	-	67.8
Treatment Facilities	164.6	19.0	19.0	20.0	20.0	-	-	-	-	242.6
Nutrient Removal	0.6	0.5	0.5	0.5	0.5	10.4	31.1	41.5	18.4	104.1
Administrative Processes	1.0	1.0	1.0	-	-	-	-	-	-	3.0
<b>TOTAL</b>	<b>\$ 239.6</b>	<b>\$ 53.9</b>	<b>\$ 150.5</b>	<b>\$ 169.5</b>	<b>\$ 81.5</b>	<b>\$ 22.4</b>	<b>\$ 36.1</b>	<b>\$ 41.5</b>	<b>\$ 18.4</b>	<b>\$ 813.4</b>



Remaining CIP expenditures are currently estimated at \$573 million over eight years. Design-build contracts for the Gravity Pipeline and Front-of-the-Plant programs will soon be authorized, contributing to significant CIP expenditures (approximately \$400 million, or approximately 2/3 of all remaining CIP expenditures) over the next three to four years.

Thus far, SVCW has financed the CIP through a combination of Revenue Bonds, Member Agency cash contributions, and State Revolving Fund (SRF) loans. Proceeds from these sources are nearly exhausted.

SVCW CIP Funding Overview (\$ millions)			
Description	Max CIP Proceeds	Available Proceeds	All-in TIC / Interest Rate
<b>Bonds</b>			
2008 Bonds	\$ 10.0	\$ -	5.03%
2009 Bonds	55.9	-	5.12%
2014 Bonds	65.5	-	4.18%
2015 Bonds	30.0	0.4	3.51%
Subtotal - Bonds	161.4	0.4	
<b>Cash in lieu of Debt</b>			
Belmont, pre-2015	17.1	-	-
Redwood City	10.0	-	-
Subtotal - Cash	27.1	-	
<b>State Revolving Fund Loans</b>			
Control Building (100% drawn)	11.4	-	2.60%
WWTP Improvements (100% drawn)	31.5	-	1.80%
Conveyance Planning * (90% drawn)	12.6	1.4	1.60%
Subtotal - SRF	55.5	1.4	
<b>Line of Credit</b>			
Wells Fargo	30.0	27.6	70% of LIBOR + 70 bps
<b>TOTAL</b>	<b>\$ 274.0</b>	<b>\$ 29.4</b>	

Note that only \$1.8 million of cash is currently available for projects, though SVCW can draw from a \$30 million line of credit while preparing to issue debt in early 2018.

## DISCUSSION

In accordance with its Long-Range Finance Plan (LRFP), SVCW strives to obtain the lowest-cost financing available through government-subsidized loan programs. To date, this has included three State Revolving Fund (SRF) loans totaling \$55.5 million. More recently, SVCW submitted a Letter of Interest to the United States Environmental Protection Agency (EPA) seeking a \$194 million loan through the Water Infrastructure Finance and Innovation Act (WIFIA) program. Unfortunately the SRF program is oversubscribed through 2022 and the EPA did not select SVCW in its 2017 funding round. While SVCW staff will continue to pursue low-cost governmental loans, staff now

recommends issuing revenue bonds in very early 2018 to provide adequate funding for the coming CIP expenditures.

A preliminary calendar highlights key activities and participation as follows:

- Sep 2017: Commission authorizes SVCW to retain municipal advisor and bond counsel
- Oct: Preliminary analysis and recommendations
- Nov-Dec: SVCW and Member Finance Staff develop prospectus
- Dec: SVCW Commission, Member Councils adopt resolutions.  
SVCW and Member Finance Staff participate in Credit reviews;
- Jan 2018: Pricing
- Jan 2018: Closing documents, Funds delivered

Staff recommends retaining professional and technical services for the purposes of debt issuance. This includes hiring Fieldman, Rolapp & Associates as municipal advisor to compute the size and design structure of the debt issue, developing a schedule, review and edit the Official Statement, develop a credit presentation, plan and schedule rating agency presentations and investor briefings, conduct market analysis and evaluate timing of market entry, recommend the award of debt issuance, and provide pre-closing and closing assistance.

As in previous debt issuances, Jones Hall, a professional law corporation, is recommended to be hired as special bond counsel responsible for drafting specific legal documents including the Official Statement, Indenture of Trust, Bond Purchase Agreement, Escrow Agreement, Financing Agreements, as well as all Commission, Board and Council Resolutions.

#### FINANCIAL IMPACT

As compared to the January 2017 LRFP, the unavailability of SRF and WIFIA loans has accelerated the need for issuance of revenue bonds. Despite delays in obtaining low-cost government-subsidized loans, initial analysis indicates that current near record-low tax-exempt interest rates and an attractive bond market could still produce debt service payments within LRFP estimates. As a result, it is expected at this time that Member Agencies can continue to follow their current rate-setting strategies.

The cost of retaining a financial advisor is estimated at \$165 thousand and bond counsel fees are estimated at \$120 thousand. Municipal advisory services will be charged on an hourly basis as needed. An important point to note, is that for these services, payment is only made upon successful close of a debt issuance and paid with proceeds from said issuance. SVCW will have no direct cash outlay as these consultants will be paid directly from the bond proceeds, and not until the process is complete and the funds are distributed.

RECOMMENDATION

PROVIDE DIRECTION TO STAFF TO PROCEED WITH THE FINANCIAL ADVISORY AND LEGAL CONTRACT REVIEW PROCESS ASSOCIATED WITH ISSUANCE OF 2018 REVENUE BONDS.



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

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

The DMF 6A and 6B project will provide reliability for wet weather events; wet weather flows are sometimes diverted around the filters when storm flows reach approximately 60 to 65 MGD. Completion of this work will allow higher flow to be treated before it is necessary to divert some or all flow around the filters. The practice of diverting flow around the filters is currently allowed in SVCW's NPDES permit, but is expected to be eliminated in upcoming permits. This work will duplicate the systems already installed in the ten active filters. The construction work was performed by ERS with design assistance from Kennedy/Jenks. The project was completed as a Contract Change Order to the DMF 1A-5A coating project.

Planned Commission Actions: Accept Project – September 2017

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

The SVCW plant is currently being operated with one gravity thickener (of the original four). In September 2015, the Commission authorized a task order for the design of the rehabilitation of the thickeners. The construction cost estimate provided by the designer exceeded the budget of the project, so it was deferred. In order to save money in both construction and O&M costs, the decision was made to run the existing thickeners until near-failure and then replace them with rotary drum thickeners. The gravity thickeners experienced a significant failure in February 2017. At the March 2017 meeting, the Commission authorized purchase of two rotary drum thickeners; these have been ordered and delivery is expected within the next 45 days. The Rotary Drum Thickeners will also be used to facilitate future recuperative thickening of the digester contents to improve digester volatile solids destruction resulting in increased digester gas production. Simultaneous with the manufacturing of the RDTs, the construction and installation contract documents were publicly advertised for bidding.

Planned Commission Actions: Approve Installation Contract – September 2017

**Solids Handling Building HVAC Duct Repair (9169):** Repair and reroute damaged duct work in the Solids Handling Building.

The ventilation system in the SHB was experiencing vibration that eventually led to damage of some of the duct work. Brown and Caldwell provided design documents

and SVCW solicited quotes from three contractors. Blocka Construction provided the lowest responsive quote.

Planned Commission Actions: Approve Construction Contract – September 2017

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

In January 2016, the Commission approved a policy outlining procedures for using the Design-Build method for project delivery. In January 2017, the Commission provided direction to staff to prepare Requests for Qualifications for two RESCU projects: Gravity Pipeline and Front of Plant using a Progressive Design Build (PDB) procurement method. Statements of Qualifications were received and three PDB firms were shortlisted for each project. Requests for Proposals (RFPs) were issued for each project to the respective shortlisted firms. A recommendation for the Gravity Pipeline Progressive Design Build firm will be presented to the Commission in October 2017 and a recommendation for the Front of Plant Progressive Design Build firm will be presented to the Commission in November 2017. The recommended scope of work will be for Stage 1 services (design to 60% completion). Staff will also present task orders for Owner's Advisor Services and Quality Assurance services for each project.

Planned Commission Actions: Approve PDB Entity Selection and Stage 1 Contracts and Task Orders for Owner's Advisors and Quality Assurance consultants – October and November 2017

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

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

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

Planned Commission Actions: Accept Project – November 2017

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

Staff has submitted an application to the State Water Resources Control Board to obtain a loan for a number of wastewater treatment plant improvements. Previously,

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

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

**SVCW Capital Improvement Program**  
**Actual Expenditure vs. Plan**  
**Through June 30, 2017**

Project Phase	Project Count	Amended 2015 CIP Update	Actual Spent thru June 2017	\$ Unspent/ Remaining	% Unspent/ Remaining
Completed	100	\$ 138,476,806	\$ 136,615,704	\$ 1,861,102	1.3%
In Construction	29	76,767,255	67,923,333	8,843,922	11.5%
Planning & Design	35	461,021,145	30,461,394	430,559,751	93.4%
Other	37	136,873,865	4,532,509	132,341,356	96.7%
TOTAL	201	* \$ 813,139,071	\$ 239,532,939	\$ 573,606,131	70.5%

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



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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Complete	6001	48-inch Force Main Reliability Improvement	Replace the entire length of 48-inch diameter section of force main from RCPS to SCPS. This project incorporated CIP #6005 which was deleted in the CIP Update.	\$ 2,539,400	\$ 43,060,000	\$ 40,000,000	\$ 41,204,050
Complete	6002	Conveyance System Master Plan (CSMP)	Planning for replacement and/or repair of force main and all five pump stations, including screening at the treatment 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	-	3,000,000	3,128,769	3,083,722
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 proejct (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	7,637,390	7,636,947
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	-	8,003
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	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	4,024,258	4,024,258
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	-

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Complete	9028	Laboratory Building Roof Rehabilitation	Rehabilitate laboratory building roof.	23,400	80,000	106,978	106,978
Complete	9029	Solids Handling Building Control Room HVAC/Scrubber	Air scrubbing to protect sensitive equipment, includes new breaker in (E) MCC, disconnect switch, conduit & wire for air handling unit.	473,400	349,334	390,681	390,764
Complete	9030	Secondary Clarifier Collector Drive Rehabilitation	Project complete. Work done in conjunction with	251,200	435,000	471,182	471,182
Complete	9032	Wireless Network Access Expansion	Extend wireless network throughout plant.	185,900	250,000	-	-
Complete	9035	Effluent Pipe Access Hatch	Install an access hatch to the effluent pipe to facilitate inspection, cleaning, and repairs.	215,300	215,300	123,508	123,508
Complete	9036	Primary Sludge Piping Rehabilitation	Combined with Bilge Pit and Pumping project (221)	136,300	541,152	559,131	559,131
Complete	9038	Moyno Progressive Cavity Pump Replacement	Replace all Moyno pumps throughout the plant; replacement parts no longer available.	814,600	-	-	-
Complete	9040	Digester #2 Cleaning	Clean D2; 1 digester every 5 years	269,100	162,630	162,630	162,630
Complete	9075	IMS System Equipment Replacement	Purchase replacement and additional servers for overall Plant computer information management system.	572,800	572,800	67,517	52,474
Complete	9076	Digester Mix Pump Rehabilitation	Rebuild one pump every three years; purchase a spare pump.	275,000	-	-	-
Complete	9095	Digester #2 Cover Repair	Scheduled repair and recoat of D2; expect to replace 15-20 years out	788,200	3,000,000	3,303,733	3,303,733
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	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	734,796	734,796
Complete	9154	Cogeneration Engine Replacement	Upgrade cogeneration engine to enable full utilization of biogas produced.	7,227,900	10,005,000	13,500,000	17,554,800
Complete	9155	Natural Gas to Plant	Pipe natural gas from front entrance to enable its use as fuel blending for the cogeneration engines and in administration building.	181,500	401,042	419,640	419,640
Complete	9156	Administration and Plant Control Building Replacement	Build a new administration and control building at existing location.	11,408,900	20,000,000	21,247,355	21,236,430
Complete	9157	Solids Handling Building Roof Replacement	Replace the roof on SHB; leaks occurring.	226,200	70,203	70,203	70,203
Complete	9163	Demolition of Abandoned Equipment in Solids Handling Building	Demolish/remove equipment in SHB that has not been in operation for over 25 years.	-	1,469,383	1,557,091	0
Complete	9167	Boiler Replacement	Replace boilers due to age and undersized for future use. Includes replacement of piping. Project is being constructed as a CCO to the Cogen Project.	-	400,000	108,050	-
Complete	9178	Levee Repair behind Warehouse	Levee leaks when the stormwater retention basin fills to a certain level; this project repairs the levee.	-	375,000	10,782	-
Complete	9179	Pretreatment Program Sample Room	Provide a wet lab receiving area for source control to prepare samples prior to analysis and also storage of equipment.	-	389,000	575,000	633,142
Complete	9180	Maintenance Shop Reconfiguration	Reconfigure maintenance spaces that have been displaced by other projects.	-	1,372,800	228,038	280,541
Complete	9183	Stage 1 Screening at Plant Influent	Construct a screening facility at influent end of plant. Originally to be funded partially via CIP and partially from Operating budget in approximately 25/75 split.	-	858,000	4,844,000	4,216,719
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	-

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

14-Apr-17

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

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Complete	9162	Digester Mix System Improvements	Combine w/CIP #9012; Replace three existing Digester Mixing Pumps with three screw centrifugal pumps and one spare to improve pumping and digester operation and reduce maintenance. The work is included with the Digester #3 Rehabilitation and Upgrade Project (CIP 9012).	-	-	-	-
Complete	9166	Digestion System Enhancements	Combine w/CIP #8021 and transfer budget. Upgrade existing digestion system to allow enhanced operation with three primary digesters in service. Enhancements include a third heat exchanger and replacement of the aging sludge recirculation pumps for all three digesters.	-	-	-	-
Complete	9182	Property Acquisition	Per Engin 7/16, Transfer costs to Proj 264	-	2,540,000	2,540,000	-
Complete	9191	Cathodic Protection at WWTP	This project replaces the worn out Plant rectifier for cathodic protection on the influent and effluent pipes. Delete project from CIP; work done in house.	-	130,000	-	-
Complete	9201	Dimminutor procurement and installation	Purchase and install 2 dimminutors for each MPPS and SCPS. Purchase 1 spare for emergency installation. Budget allocated out of 9152	-	334,814	374,323	374,442
Complete	9203	Central Chillers Replacement	Existing Chillers 1 and 2 are undersized and have reached the end of their useful lives and provide no redundancy. Chiller #1 has stopped functioning and is no longer serviceable. This project replaces the two chillers with three new chillers, providing one for redundancy and greatly enhancing reliability. Budget allocated out of 9152	-	996,448	1,109,003	1,109,003
Complete	9204	MPPS Concrete Repair	Severe corrosion and spalling concrete have been witnessed at the Menlo Park Pump Station, compromising the integrity of the structure and posing a safety hazard to SBSA Utility Workers. This project will also remove the chemical storage tanks, piping, and pumps that are no longer used. Budget allocated out of 9152	-	68,155	68,155	68,155
Complete	9211	Secondary Clarifier 6" Water Line Replacement	Replace the 6-inch water line situated on the eastern wall of the secondary clarifiers under the Activated Sludge Automation project. Project pulled from CIP #9152.	-	70,000	59,496	59,496
Complete	9213	Area Lighting	Replacement of Plant area lighting to LED lights by in-house staff and broken out from CIP #9152.	-	56,000	55,547	68,415
Complete	9227	Sodium Bisulfite Tank Alarms & Controls	Provide additional level indicating device, alarms for chemical loading, and controls for heat trace equipment. Currently the 4 tank system has only a single LIT; for safety and critical process control, a redundant LIT is needed. Project will also install visual and audible alarms.	-	-	-	-
Complete	9801	12 kV Primary Switchgear Replacement	Replace primary switchgear due to existing one's obsolescence. Project includes full enclosure and SCADA connection, cabling to T1&T2. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,152,470	3,188,875
Complete	9802	Motor Control Center P-1,2,3, &4 Replacement	Replace all main Motor Control Center Panels P1 through P4 which have reached the end of their useful lives. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,130,760	3,160,662
Complete	9803	Electrical System Redundancy	Replace Power Distribution Panels PD1 and PD2 due to obsolescence. Includes tie-breakers for flexibility between T1 and T2. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,134,080	3,163,940
Complete	9805	Cogeneration System Connection to Primary Switchgear	Work completed under Power Reliability Improvements (9801 to 9804). Project Complete.	-	800,000	3,429	-
Complete	9804	Standby Power Upgrade	Install new standby bus for P1 through P5. Including new ATS's and cabling to P-6 and 2 new standby generators rated at 1MW each. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,412,623	3,506,324
<b>TOTALS - COMPLETED PROJECTS</b>				<b>\$45,130,636</b>	<b>\$124,064,488</b>	<b>\$138,476,806</b>	<b>\$136,615,704</b>



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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Constr	6003	Influent Force Main Emergency Repair	As-needed repairs if leaks in the influent force main occur.	\$ 2,145,000	\$ 3,645,000	\$ 3,840,157	2,751,562
Constr	6012	Effluent Pipeline and Outfall Reliability Improvement	Improve reliability of Effluent Pipeline and Outfall, which have historically experienced leaks	-	12,450,438	\$ 10,063,562	11,024,033
Constr	7012	Pump Stations Processor Upgrade & T-1 Transition for Primary Communications	Install new PLC processors for existing Pump Station Controls	-	-	\$ 298,151	89,782
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	\$ 5,592,029	6,506,023
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	\$ 6,425,219	8,082,704
Constr	8021	Anaerobic Digestion Process Automation	Automate digester process. Part of SPA project.	2,589,600	8,882,096	\$ 9,701,615	8,041,234
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	187,096
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	3,771,759
Constr	9015	Hypochlorite Dosing System Rehabilitation Automation	Replaces pipe, valves, pumps, manifold to allow chlorination for disinfection & odor control; work done in house. Current project replaces the two tanks with double-walled tanks.	372,900	1,350,000	\$ 820,044	616,146
Constr	9034	Electrical Conductor Replacement - MCC Room to Wetside/Dryside Loads	Multiple year project to replace old and corroded electrical cabling throughout the Plant.	4,903,500	2,400,000	\$ 2,791,033	308,844
Constr	9067	Dewatering Process Control System Upgrade	Work being completed under CIP #8021, SPA project. Adds new SCADA View at existing location, programming for cutover of new controls. Delete budget from this project.	108,400	-	\$ -	-
Constr	9080	Primary Sedimentation Tanks Collector System Replacement	Replace or rebuild collector drive system, including chains and filghts; one tank every 2 years.	1,929,100	1,929,100	\$ 4,309,732	3,099,414
Constr	9096	Plant Architectural Painting	Plant-wide painting including pumps, piping, equipment and structures. Painting necessary to prevent corrosion & for longevity of Plant's assets.	1,564,900	1,564,900	\$ 1,813,307	388,692
Constr	9118	SCADA Integration with Integrated Business Management System	Information Management System and SCADA to be tied together for asset management and maintenance scheduling.	481,000	2,168,560	\$ 2,458,093	2,026,758
Constr	9128	PST 3 & 4 Protective Coatings	Complete with 9080 - PST Collector System Replacement	714,150	714,150	\$ 2,869,160	2,281,529
Constr	9131	Plant Service Road Resurfacing-Phase 2	Plant site grading and paving.	1,089,000	821,310	\$ 1,066,488	274,669
Constr	9152	Small Capital Equipment Replacement	Ongoing replacement of equipment for maintenance needs throughout plant	3,714,000	1,954,500	\$ 2,238,071	1,230,902
Constr	9164	Dewatering and Solids Handling Improvements - Phase I	Recommendations from the Biosolids Master Plan for dewatering improvements.	-	3,897,253	\$ 5,565,212	6,379,530
Constr	9177	Implement Security Plan Enhancements	Implement enhancements outlined in Security Document; conjoin with capital improvements as they are being implemented.	-	1,920,000	\$ 1,165,990	526,952
Constr	9188	DMF Underdrain Access Hatches	There is no access point to the DMF underdrains. This project will provide such access.	-	105,600	\$ 116,871	2,307
Constr	9214	Alternate Bisulfite Injection Point	Provide an alternate bisulfite injection point in order to reduce the chance of permit violation	-	423,660	\$ 457,631	10,519
Constr	9222	Dual Media Filters 6A and 6B	Construct two new Dual Media Filters and associated valves and piping. Work is being performed as a CCO by ERS.	-	3,452,571	\$ 2,053,201	871,627
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	527,319
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	1,084,765

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Constr	9806	Wetside Redundant Power Improvements	Addition of two standby power generators to PDP2 switchgear. In order to save monies, PDP2 was constructed to be completely ready for new generators and was originally proposed to allow existing generators to backfeed through existing primary transformers T1 and T2. Concerns raised during the Rule 21 process caused this plan to be superceded with standalone generators.	-	-	\$ 2,941,000	7,431,279
<b>TOTALS - PROJECTS IN CONSTRUCTION</b>				\$ 26,520,850	\$ 57,118,423	\$ 76,767,255	\$ 67,923,333

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Planning	6004	Flow Equalization Facility	Build wet weather and diurnal storage facilities on plant property	\$8,981,300	\$28,600,000	\$ 18,171,592	641,362
Planning	6006	Conveyance System CEQA	Project Development, CEQA, and Planning for the Conveyance System Project Elements	-	839,000	\$ 5,100,580	4,358,551
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	10,366,070
Planning	6010	Force Main Conveyance System Program - General Support	Provides support and funding for general requirements of projects contained within the Conveyance System Program.	-	200,000	\$ 208,810	207,798
Planning	6013	Receiving Lift Station	Construct new pump station to lift flow out of the gravity pipeline and into headworks of the plant.	-	-	\$ 50,573,002	854,073
Planning	6014	Influent Connector Pipe	Install new pipeline that connects headworks process to current plant influent.	-	-	\$ 9,081,206	662,563
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	179,843
Planning	7005	Redwood City Pump Station Rehabilitation	Replace Redwood City Pump Station to accommodate Conveyance System needs	23,400,000	25,140,000	\$ 30,216,325	3,776,157
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	33,725
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	343,752
Planning	9017	Plant #1 Water System Pipe Repair and Supply Upgrade	Rehabilitate potable water system: replace air gap tank or install backflow preventer, hydropneumatic tank, and pumps.	148,400	365,474	\$ 456,925	458,760
Planning	9033	Future Plant Electrical System Panel Replacement	Complete replacement and addition of additional panels and subpanels	5,748,600	5,570,322	\$ 6,357,363	4,013,473
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	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	138,919
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	35,287
Planning	9144	Solids Handling Program - General Support	Project provides support and funding for general requirements of projects contained within the Solids Handling Program through the life of the CIP.	-	100,000	\$ 141,165	243,247
Planning	9145	Plant Energy System Program - General Support	Provides support and funding for general requirements of projects contained within the Plant Energy System Program.	-	75,000	\$ 87,192	64,082
Planning	9160	WWTP Headworks and Screening Facility	Project provides for a new headworks and screening facility at the WWTP. Pump station predesign efforts will take headworks needs into account.	-	16,422,000	\$ 43,011,190	1,082,615
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	220,443

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Planning	9175	Security Program for New Conveyance System Pump Stations	Conduct an evaluation of the security and monitoring needs (required and optional) to be designed into the new conveyance system pump stations. The goal is to have a list of design criteria to give to the pump station design firm to ensure consistency of security equipment and controls. This project will investigate remote monitoring alternatives desired for operational needs. The project includes SVCW making decisions on security equipment, software and integration into the plant data system assuming this project will be conducted before the Plant Security Assessment and Plan project.	-	200,000	\$ 15,113	(0)
Planning	9176	Plant Vulnerability Assessment and Security Plan	Conduct a Site Vulnerability Security Assessment and prepare a Security Plan. This is to identify the security needs at the plant based on potential for vandalism and the planned elimination of night time staffing. This plan will incorporate the decisions made in the Pump Station Security Program (CIP #9175) for software, I/C, and overall network controls. Additional hardware and equipment specific to the plant will be evaluated.	-	250,000	\$ 66,986	-
Planning	9189	DMF Pump and Discharge Piping Replacement	Replace motors and drives on DMF Pumps.	-	858,000	\$ 1,793,236	14,928
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	1,563
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	-	-	\$ 532,137	162,164
Planning	9236	CEC-SAF-MBR	Build a pilot facility using CEC grant monies and in-kind services using a new treatment process developed at Stanford University. The process is called Staged Anaerobic Fluidized-Bed Membrane Bioreactor (SAF-MBR). This process could facilitate nutrient removal, recycled water production and, possibly, replace SVCW's secondary treatment processes. Up to \$500,000 was approved by the Commission for funding this project; monies will be allocated from CIP #9232, Long Term Strategic Recycled Water Planning.			\$ 500,000	1,215
Design	9168	Thickening Improvements - Phase I	Rehabilitate Thickeners 2 and 3	-	2,808,000	\$ 1,448,690	343,394
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	362,370
Design	9206	Site Waste Piping and Pump Replacement	Replace discharge piping and header and add one new pump due to significant number of leaks in the system.	-	99,528	\$ 109,901	9,172
Design	9220	Aeration Basin Venturi Removal	Remove a bottleneck to allow peak flow of 80 mgd	-	1,150,857	\$ 1,243,488	19,033
Design	9229	Food Waste: Receiving Station and Digester Improvements	Plan, Design and Construct Receiving Station for Accepting Food Waste from SBWMA. Project would include new receiving station and interconnection to Digesters	-	-	\$ 14,330,203	1,136,752
<b>TOTALS - PROJECTS IN PLANNING &amp; DESIGN</b>				<b>\$66,580,700</b>	<b>\$196,975,295</b>	<b>\$461,021,145</b>	<b>\$30,461,394</b>

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

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Project On Hold	9071	Plant Gallery Floor and Wall Crack Sealing	Seal gallery floors to prevent infiltration of GW. Unplug in-slab drain pipes.	250,000	484,832	561,364	129,652
Project On Hold	9113	Evaluation of Plant Underslab Piping	TV or otherwise investigate various piping embedded in concrete throughout the Plant	371,800	371,800	434,129	-
Project On Hold	9192	Drying Beds Northern Expansion	Expands the drying bed to the north with a new 3-acre bed.	-	1,656,000	37,337	114,636
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	1,372
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	-	1,149
Project Not Started	9173	Dewatering and Solids Handling Improvements - Phase III	Implement the dewatering improvements recommended by the Biosolids Master Plan, including installation of a fourth rotary press.	-	1,123,200	1,311,493	-
Project Not Started	9174	Digester Supernatant Piping Upgrades	The existing supernatant piping only allows for supernatant to Digester 3 from Digesters 1 and 2 and there is no passive overflow system at any of the Digesters. This project will investigate the future need for additional supernatant piping and alternative destinations for receiving supernatant flow. The project cost assume \$50,000 for the evaluation and a placeholder of \$250,000 for implementation.	-	300,000	350,292	-
Project Not Started	9185	Water Cannons at Aeration Basins	Provide 3W piping and appurtenances required to supply high volume, high pressure water for aeration basin wash-down.	-	107,250	118,783	-
Project Not Started	9187	Secondary Clarifier Weir Washers	Install weir washers on secondary clarifier weirs to facilitate routine daily washing and in support of eventual single shift operations and maintenance.	-	248,820	275,576	-
Project Not Started	9196	Electronic O&M Manuals	Develop Electronic O&M manuals to replace existing paper manuals. Extent of e-manuals will be determined to coincide with full plant automation requirements.	-	1,000,000	1,036,600	-
Project Not Started	9197	In-Plant Recycled Water System Expansion	Expand the recycled water pipeline installed under CIP 9018 to supply cooling water to the new emergency generators in the SHB and the new chillers in the Thickener gallery.	-	231,660	256,570	1,830
Project Not Started	9212	Security Arm Gates	Install security lift arm gates to block access to cars from areas of the plant past the parking lot.	-	80,000	86,488	-

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

14-Apr-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	Amended 2015 CIP Update (2015 \$s)	Actual Spent thru June 2017
Project Not Started	9225	DCP2 Processor Upgrade	DCP2 Control Logix Upgrade (Dual Chassis) for central data collection and Critical Alert Alarm (CAA) system monitoring and management. The current system is beyond it's useful life and has no redundancy.	-	-	107,599	-
Project Not Started	9233	Strategic Technology Testing Assistance	Set aside a small project budget to assist with future possible pilot studies. Do not fund project at this time.	-	-	-	-
Project Not Started	9235	Digester Gas Storage	Construct storage for digester gas gas equalization in support of optimizing the cogeneration engine operation/electricity output. Gas production expected to rise with introduction of co-digestion materials (food waste and FOG)	-	-	1,451,240	-
Project Merged	6005	Influent Force Main - Rehabilitation or Parallel	Project redefined into pipeline segments; retire this CIP #. Repair and Replacement work on the SBSA Force Main as joints fail (start to leak). The force main has approximately 4,000 single "O" ring bell and spigot joints while the entire pipe rests in bay mud and moves constantly.	125,053,500	2,786,934	3,031,955	3,031,955
Project Merged	8014	Primary Sludge Piping System Valve Automation	Install valve actuators and new valves as needed to facilitate automation of the primary sludge system. Delete project and merge with 8007.	281,700	-	-	-
Project Merged	8024	Thickening Pump #1-6 Remote on / off / speed controls	Combined with Thickener Automation (CIP 8018) via SPA project. Includes effort for motor replacement.	360,600	10,978	26,869	0
Project Merged	8030	Automation: Instrumentation & SCADA Program - General Support	Provides support and funding for general requirements of projects contained within the Energy and Automation Program. Do not fund project in 2015 Update	-	670,509	433,801	456,493
Project Merged	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	9,384	-
Project Merged	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	\$ 256,951	24,432
Project Merged	9108	Scum Flowmeter	Combined with Thickener Automation (CIP 8018).	29,200	-	-	-
Project Merged	9124	Biosolids Master Plan	Master plan for handling, hauling and disposal/reuse of biosolids.	6,373,600	694,523	0	0
Project Merged	9165	Seismic Upgrade of Digester Mix Room and Boiler Room Piping	Do work under SPA project, CIP # 8021.	-	111,500	-	-
Project Merged	9205	1406 Radio Road Property Improvements	Provide for general improvements at the newly purchased property at 1406 Radio Road	-	1,135,000	121,550	121,500
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	-
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	-
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	-
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	0
Admin	9184	LOC Funding - Phase I	Fees for setting up and managing LOC with Bank of the West. Process complete.	-	105,431	11,124	(0)
Admin	9209	LOC Funding - Phase II	Initial Set-up and Annual fee for LOC with Wells Fargo as of 2015.	-	120,000	129,731	-
<b>TOTALS - REMAINING PROJECTS</b>				<b>\$141,752,600</b>	<b>\$31,068,897</b>	<b>\$136,873,865</b>	<b>\$4,532,509</b>

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

Commissioners' Requested Action Items  
Updated: 08/30/2017

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
8/10/2017	1	CalPERS Subcommittee formation	9/14/2017		✓			Subcommittee formed consisting of Commissioner Otte and Commissioner Grassilli. Present a time table for meeting(s) to both and resolve a date/time upon of return of Commissioner Otte
	2	Operating Budget/Staffing	4/1/2018		✓			Ensure SVCW's salaries and benefits maintain competitive with the industry in the development of next FY's budget, especially as it reflects the challenge of hiring engineering or other hard to find/keep staff.
7/13/2017		No new items at this meeting						
6/8/2017	1	Public Policy	7/13/2017			✓	8/10/2017	Draft a letter for Commission signature thanking Congresswoman Anna Eshoo will be available at the August 10th meeting of the Commission.
5/11/2017	1	Progressive Design-Build	5/18/2017			✓	5/15/2017	Send a link of the Requests for Qualifications to Commissioner Otte.
4/13/2017	1	Progressive Design-Build	Ongoing	✓				Provide Selection Criteria, Scoring Process and routine updates on the Design-Build selection process for Front of the Plant and Gravity Sewer projects to the Commission .
	2	CIP Project Public Outreach Efforts	NA	✓				Continue comprehensive public outreach efforts with regular project updates to the public and implement webcam(s) at project site(s).
	3	Management Personnel Performance Pay Policy	NA			✓	6/8/2017	Update the Performance Pay Policy to meet CalPERS standards and requirements including update of annual Performance Evaluation forms to meet same. Present to Commission as part of the approval of the publish annual consolidated pay schedule to be publicly posted.
3/23/2017	1	Long Term Compensation Stability Program/Policy	1/11/2018		✓			Develop methodology for regular updates to compensation schedules with defined increases and practices to insure SVCW compensation stays current with local trends and practices to maintain Authority competitiveness in the marketplace. Develop for Commission approval to facilitate inclusion in the FY 18/19 budget/salary process.



Commissioners' Requested Action Items

Updated: 08/30/2017

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
	2	Manager Performance Evaluation	4/13/2017			✓	7/13/2017	Manager provided self evaluation and blank performance evaluation forms to Commissioners at the April meeting; Commissioners have sent their evaluation of Dan's performance directly to Commissioner Seybert. Commission met with Dan on June 8, 2017 and discussed the performance evaluation and compensation.
2/9/2017	1	Provide PIN and keycards to Commissioners	3/23/2017			✓	2/15/2017	Provided to Commissioners at the February meeting.
	2	Compensation Study	3/23/2017			✓	3/23/2017	Report complete and accepted by the Commission.
	3	March meeting agenda	3/17/2017			✓	3/23/2017	Kept agenda items to a minimum and/or on Consent Calendar due to budget focus.
1/12/2017	1	CalPERS actions on performance pay	Ongoing	✓				Keep all persons who received a letter from CalPERS regarding the eligibility of their Performance Incentive Pay for retirement benefits, informed of the status of the proceedings and what actions the Commission is taking in SVCW's argument that the payments are eligible for CalPERS retirement benefits. This is anticipated to be a long lasting ordeal and multiple updates will be provided as information becomes available. A hearing was held with an Administrative Law Judge on July 10, 2017. The Judge's ruling may be available on or after November 1, 2017, but likely later.
	2	SVCW Financial Reports	2/9/2017	✓		✓	2/9/2017	Send warrant registers for review by Commissioners via email prior to Commission meeting they will approve them at. Do not send hard copies with agenda packet.
	3	SRF Funding	<1/30/2017			✓	1/19/2017	Sent a letter from the Commission to state legislatures for SRF funding prior to January 30th meeting w/SWRCB
	4	Long Term Financial Plan	2/9/2017			✓	2/9/2017	Added statements to LRFP re: debt and generational equity; and re: debt interest due to not having \$ for pay-as-you-go.
	5	CIP Funding	Fall 2017		✓			Present a recommendation to Commission re: timing for bond issuance. Issuance currently expected in Fall/Winter 2017.

Commissioners' Requested Action Items  
Updated: 08/30/2017

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
12/8/2016	1	Prepare discussion re: financing the CIP (bonds/no bonds)	1/12/2017			✓	1/12/2017	Preliminary discussion with the Long Range Financial Plan presentation in January
11/10/2016	1	Discuss 2017 Commission Meeting Dates	12/8/2016			✓	12/9/2016	Commissioners confirmed meeting dates.
	2	Conveyance System DEIR	>12/8/2016			✓	4/13/2017	Commission certified the EIR at the April 13, 2017
	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	Notified public of planned IT shutdown via website.
	2	Conveyance System DEIR	>12/8/2016			✓		Commission certified the EIR at the April 13, 2017.
	3	SRF Funding Availability	January or February			✓	1/19/2017	Letter sent to State legislators and SWRCB advocating CA issuing more bonds to fund the SRF program drafted and presented to Commission.
	4	Conveyance System Commission sub-committee	NA			✓	11/7/2016	Subcommittee (Commissioners Lieberman and Moritz) met on Nov 7 to discuss conveyance system progress.
	5	Greendale property construction progress	12/1/2017		✓			After redesign for required retention wall improvements, the contractor has begun construction again and is expected to complete work in late August to mid-September. Additional costs are being tabulated on a direct time and materials basis with no mark up by contractor.
9/8/2016	1	Job Classification and Total Compensation Study	1/31/2017			✓		Report complete and accepted by the Commission.
	2	Control Building HVAC System	8/31/2017			✓		SVCW Legal Counsel is evaluating the potential of a damage from the Architect of Record for design deficiencies related to environmental protection of computer servers and related equipment. A Legal Opinion Letter will be presented to the Commission at the August 10, 2017 meeting. No further action at this time.
	3	JPA re-write: prepare RFP and concurrently reach out to Legal Counsels of each member agency.	NA		✓			Staff and SVCW Legal Counsel are developing the list of significant issues, expected in September 2017, for presentation to JPA legal specialists to allow evaluation and development of proposals for the update of the JPA. It is expected to take two or more years to complete the update of the JPA once a firm is hired.

Commissioners' Requested Action Items  
Updated: 08/30/2017

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. Expect to address at the November 2017 Commission Meeting.
> One Year	1	MOU Negotiations	NA		✓			From 06/19/2016 Meeting: When MOU negotiations occur, present status updates to the Commission - anticipated in early 2018.

**MINUTES OF SILICON VALLEY CLEAN WATER  
REGULAR MEETING – AUGUST 10, 2017**

**ITEM 1**

**CALL TO ORDER**

Commissioner Seybert called the meeting to order at 8:00 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  
Mayor Robert Grassilli, San Carlos – Secretary  
Board Member George S. Otte, P.E., West Bay Sanitary District

**Staff, Consultants and Visitors Present**

Christine C. Fitzgerald, SVCW Legal Counsel  
Daniel T. Child, SVCW Manager  
Teresa Herrera, SVCW Assistant Manager / Chief Engineering Officer  
Matt Anderson, SVCW Chief Financial Officer / Administration Manager  
Monte Hamamoto, SVCW Chief Operating Officer  
Jennifer Flick, SVCW Human Resources Director  
Kim Hackett, SVCW Engineering Director  
Bruce Burnworth, SVCW Senior Engineer  
Cindy Hui, SVCW Financial Analyst  
Ilana Schmidt, SVCW Administrative Assistant  
Keith McClure, SVCW Operations Supervisor  
Derek Rampone, City of Redwood City  
Bill Tanner, Tanner Pacific, Inc.  
Aren Hansen, Brown & Caldwell  
Charlie Joyce, Brown & Caldwell  
Roanne Ross, West Yost

**ITEM 3**

**PLEDGE OF ALLEGIANCE**

Commission Chair Mr. Seybert led those attending the meeting in the recital of the Pledge of Allegiance.

**ITEM 4**

**PUBLIC COMMENT**

There was no Public Comment

**ITEM 5A**  
SAFETY MOMENT

Mr. Child shared an article about water safety and tips to prevent accidents while in the pool.

**ITEM 5B**  
MANAGER'S REPORT

SVCW Jackets: Mr. Child presented the Commissioners with jackets that were presented to SVCW employees in recognition of their successful efforts in dealing with last winter's record flows in the SVCW system.

Letter to Anna Eshoo: Commission Chair Seybert signed a letter to Congress Woman Anna Eshoo thanking her for supporting SVCW's pursuit of WIFIA money. Unfortunately, the Agency wasn't selected as a recipient in this round and Mr. Child stated it is SVCW staff's intent to apply again in the next round.

Bioforcetech Ribbon-Cutting: Mr. Child shared the success of Bioforcetech's "Grand Opening" adding there were about forty people from various areas of the state and even from Denmark in attendance.

**ITEM 5C**  
FINANCIAL REPORTS

There were no questions on the Financial Reports.

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

Ms. Herrera provided an update on the selection process for both the Front of Plant and Gravity Pipeline Projects as well as the timeline for when items will be coming to the Commission for approval.

Mr. Grassilli asked what happens if SVCW can't negotiate a contract. Ms. Herrera replied that the draft contract documents were included in the RFP and respondents were asked to provide comments on items they saw as challenges or needing attention. All the proposers provided feedback that is very proactive. Preliminary discussions are already occurring and staff expects reaching agreement on a contract is likely.

Mr. Seybert and Mr. Lieberman inquired about evaluating how well the teams work with SVCW and if there are any relationship concerns. Ms. Herrera replied that this concern is shared by staff and is one of the identified primary items being evaluated in the selection process. She stated she is confident in the shortlisted firms and will continue to evaluate how they work with SVCW staff. Ms. Herrera also mentioned that working well together with the selected proposer is especially important as the plan is for the designer, contractor,

supporting staff and sub-contractors and SVCW staff and consultants will be working side by side in office trailers dedicated to the RESCU program.

#### **ITEM 6**

##### **MATTERS OF COMMISSION MEMBER'S INTEREST**

Commissioner Lieberman and Commissioner Otte announced they will not be in attendance at the September Commission meeting and their alternates plan to attend.

Commissioner Seybert formed a Commission subcommittee to discuss the CalPERS Performance Pay Incentive program SVCW currently has in place. Commissioner Grassilli and Commissioner Otte will serve and Mr. Child will follow up with a timetable once Commissioner Otte returns from his vacation.

#### **ITEM 7**

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

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

The Motion carried by Unanimous Roll Call Vote.

#### **ITEM 8A**

##### **CONSIDERATION OF MOTIONS APPROVING TASK ORDER'S FOR PRELIMINARY DESIGN SERVICES - MENLO PARK PUMP STATION PROJECT (CIP #7004) AND REDWOOD CITY PUMP STATION PROJECT (CIP #7005)**

Ms. Herrera displayed an aerial photo of the two conveyance system components, the Menlo Park Pump Station and the Redwood City Pump Station which are next on the schedule for rehabilitation and replacement. The Menlo Park Pump Station project will be a rebuild of the pump station within the existing footprint, while the Redwood City Pump Station is a total replacement of the existing pump station. Ms. Herrera proceeded to show an overhead photograph of the Menlo Park Pump Station site which shows the lack of available space to build a replacement pump station. Due to this lack of space the pump station is anticipated to be rehabilitated within the footprint of the existing building.

A significant challenge for both pump stations is the complexity of keeping the existing pump stations operating while doing the work within the restraints of the available footprint. Redwood City Pump Station has more available room and will be slightly easier. Ms. Herrera showed an aerial view of the planned new pump station directly adjacent to the existing pump station in Redwood City. The existing building is planned to be repurposed as a motor control center, however, it is during the initial pre-design phase that this type of decision is evaluated for final implementation. Ms. Herrera concluded with the recommendation to award Brown and Caldwell task orders that will take the design of the Redwood City and Menlo Park pump stations to the 30% design level.



Commissioner Grassilli asked if the pump stations are paid for directly by the member agency associated with that pump station. Mr. Child stated that Amendment No. 6 to the Joint Powers Agreement changed the cost sharing strategy and he could not recall exactly how pump station costs are allocated. Mr. Child stated he believes each City is responsible for their own pump station, but he was not one-hundred percent sure and will report back to the Commission at the next meeting in September.

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

- i. Move approval of TASK ORDER SCOPE AND BUDGET FOR PRELIMINARY DESIGN SERVICES FOR THE MENLO PARK PUMP STATION PROJECT (CIP #7004) IN AN AMOUNT NOT TO EXCEED \$580,691 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL
- ii. Move approval of TASK ORDER SCOPE AND BUDGET FOR PRELIMINARY DESIGN SERVICES FOR THE REDWOOD CITY PUMP STATION PROJECT (CIP #7005) IN AN AMOUNT NOT TO EXCEED \$590,316 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 8B**

CONSIDERATION OF MOTION APPROVING TASK ORDER SCOPE AND BUDGET FOR PROGRAM MANAGEMENT SUPPORT SERVICES FOR THE RESCU PROGRAM (CIP #6006)

Ms. Herrera provided a brief background on the support provided to SVCW's Program Management and Engineering Director from West Yost & Associated (formerly Whitley & Burchett) and due to the complexity of the RESCU Program and the upcoming extended leave of SVCW's Engineering Director, ongoing support is crucial. Ms. Herrera added that task orders are developed for twelve-month durations, though they typically have lasted fifteen to sixteen months. She concluded with recommending the Commission approve the proposed task order for an extension of services.

Mr. Seybert asked if the task order would extend through the life of the project. Ms. Herrera said due to West Yost's involvement in different projects, this task order is specifically for the RESCU Program for a twelve-month period.

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

Move approval of TASK ORDER SCOPE AND BUDGET FOR PROGRAM MANAGEMENT SUPPORT SERVICES FOR THE RESCU PROGRAM (CIP #6006) IN AN AMOUNT NOT TO EXCEED \$398,022 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN

PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS –  
WEST YOST ASSOCIATES

The Motion carried by Unanimous Roll Call Vote.

**ITEM 8C**

CONSIDERATION OF MOTION APPROVING TASK ORDER SCOPE AND BUDGET FOR  
PROFESSIONAL CONSTRUCTION MANAGEMENT SERVICES FOR SVCW CIP AND  
CAPITAL PROJECTS

Ms. Herrera provided a brief background on Tanner Pacific, Inc. (TPI) and the wide range of construction management services they provide to SVCW. Ms. Herrera explained that there are multiple projects TPI oversees with a staff of fourteen and their scope of work changes yearly depending on what projects are underway and planned. This “Global” Task Order, presented to the Commission for approval, covers multiple projects with a construction value of approximately Twenty-Seven Million Dollars in the coming twelve months. Using outside Construction Management services allows SVCW to control costs. A consultant is able to shift staff to meet demand versus the need for a public agency to hire staff that may be more than is needed for the workload at certain times.

Commissioner Otte asked if the Construction Management for the Design-Build Projects is encompassed in this task order. Ms. Herrera replied that SVCW staff expects to use the same firm, but the Design-Build work is not included in this Task Order and different Task Orders will be presented to the Commission in relation to the various projects of the Design-Build work. Commissioner Otte acknowledge that he believes this approach makes sense due to the different approach needed for Design-Build work.

Commissioner Lieberman inquired about what happens to the money if less is used during the year identified in the Task Order. Ms. Herrera replied that task order timeframes have traditionally been extended if money is not used and the twelve-month period is not set in stone. This is what has been done in the past and the Agency will not lose any funds as SVCW Task Orders are based on the “Time and Materials” billing process.

Commissioner Seybert added that in his experience twelve percent is a very common cost for Construction Management. Ms. Herrera concurred and stated that SVCW anticipates thirteen percent in the development of expected CIP costs based on prior experience.

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

Move approval of TASK ORDER SCOPE AND BUDGET FOR CONSTRUCTION  
MANAGEMENT SERVICES IN AN AMOUNT NOT TO EXCEED \$3,308,106 AND  
AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR  
ADDITIONAL WORK ON AN AS-NEEDED BASIS - TANNER PACIFIC INC.

The Motion carried by Unanimous Roll Call Vote.

#### **ITEM 8D**

#### **CONSIDERATION OF RESOLUTION APPROVING MASTER SERVICES AGREEMENT AND TASK ORDER FOR OPERATIONS, MAINTENANCE AND ENGINEERING COORDINATION SERVICES**

Ms. Herrera provided a brief background on Mr. E.J. Shalaby of DNS Strategic Partners and his highly-regarded reputation in the wastewater industry. Mr. Shalaby recently became available as a consultant and both Ms. Herrera and Mr. Child are confident he is the appropriate person to help bridge the gap between completed projects and the handoff to Operations and Maintenance staff. This has been a challenge and DNS will assist with coordinating training and support, as well as provide Mr. Shalaby's expertise with key large wastewater initiatives. Ms. Herrera shared that SVCW has been trying to hire Engineers for over six-months and has been unsuccessful in finding qualified staff. Mr. Shalaby's skills will alleviate the significant need for immediate assistance and allow SVCW to continue the search for qualified engineers. Mr. Shalaby's contract is based on time and materials and covers a five-year period.

Commissioner Lieberman asked if Mr. Shalaby would be considered full-time and calculated his fees to be close to Four-Hundred Thousand Dollars. Mr. Child replied that the rate is based on a Two-Hundred Dollar per hour consultant fee and it is expected that he will work close to full time on SVCW project needs.

Commissioner Lieberman proceeded to ask if Mr. Shalaby will perform the role of the Engineer positions SVCW is advertising for and asked what the salary range is for the open Engineer position. Ms. Herrera replied that he will partially fill one of the roles and the top of the salary range for the advertised position is nearly Two-Hundred Thousand Dollars. Mr. Child again added what a tremendous challenge it is to find qualified Engineers who are able to perform the duties required.

Commissioner Lieberman stated that he understands the burdened costs of employment and wants to ensure this is a cost-effective way of doing it because it is a fairly significant cost for a consultant versus having someone on staff. Mr. Child said there is a premium for bringing on someone with expertise such as Mr. Shalaby and he has full confidence that he is the right one to get the job done correctly.

Commissioner Seybert asked if down the road someone comes along who is qualified for the Engineer position, can the contract be revisited and Mr. Child replied that the contract can be revisited at any time and is time and materials based.

Commissioner Seybert requested staff make a note, that at budget development time staff looks at all salaries to ensure SVCW remains competitive in the industry as previously directed by the Commission.

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

Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT AND TASK ORDER SCOPE AND BUDGET FOR OPERATIONS-MAINTENANCE-ENGINEERING COORDINATION SERVICES IN AN AMOUNT OF \$2.1 MILLION AND

AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR  
ADDITIONAL WORK ON AN AS-NEEDED BASIS – DNS STRATEGIC PARTNERS, LLC

The Resolution carried by Unanimous Roll Call Vote.

**ITEM 9**

**CLOSED SESSION**

Closed Session was called to order at 8:31 a.m.

**A. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION**

(Government Code §54956.9(d)(4)) Number of Potential Cases: 1

**ITEM 10**

**RECONVENE IN OPEN SESSION**

Open Session reconvened at 8:44 a.m. Ms. Fitzgerald reported that discussion was held on the above items and instructions were given to Staff and Counsel by the Commission and no action was taken.

**ITEM 11**

**ADJOURN**

There being no further business, the meeting adjourned at 8:45 a.m.

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Robert Grassilli, Secretary

By: Daniel T. Child, Manager

**SVCW WARRANT REGISTER**

SVCW Warrant Register for the period covering July 29, 2017 to August 11, 2017. A scanned copy was e-mailed to Commissioners on August 18, 2017.

08-11-17

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
FUND RECAP

PAGE 9897


NAME	FUND	AMOUNT
PAYROLL REVOLVING	11	70.00
CAPITAL IMPROVEMENT FUND	14	2,406.00
OPERATION	18	513,867.85
RECYCLED WATER FUND	19	22,659.32
PLANT - CIP BOND	20	375,942.11
TOTAL FOR APPROVAL		\$914,945.28

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9880 THROUGH 9897 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21180 THROUGH 21258 INCLUSIVE, TOTALING IN THE AMOUNT OF \$914,945.28, 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,

  
.....  
DEPUTY TREASURER

8/11/17  
.....  
DATE

  
8/14/2017

7/29/17-8/11/17

7B-2



SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
08/11/17

PAGE 9880

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VALLEY OIL COMPANY (VEHICLE FUEL SUPPLIES	21180	465383B 6/19-6/29/17 FUEL CHARGES COMPANY VEHICLES	544.24	544.24	18
RODAN BUILDERS, INC CONSTRUCTION-CONTRACTOR	21181	FINPMTPO10673C FINAL PAYMENT - WET SIDE REDUNDANT POW	103,251.70	103,251.70	20
BANNER BANK CONSTRUCTION-CONTRACTOR	21182	FINPMTPO10673B FINAL ESCROW PAYMENT- WET SIDE REDUNDA	20,660.25	20,660.25	20
AKELA, ARVIND MEMB. & MEET. UTILITIES MEMB. & MEET. TRAINING	21183	8112017 REIM-5/22/17 PE LICENSE RENEWAL 8112017B REIM-5/17-6/17 CELL PHONE EXPENSE 8112017C REIM-7/13/17 WEF-CWEA MEMBERSHIP RENEWAL 8112017D REIM-7/14/17 WEFTEC 2017 CONFERENCE REGISTRAT	1,441.00	115.00 90.00 312.00 924.00	18 18 18 18
ALLIED IRON CO., INC. MACHINERY AND EQUIP MAINT MATE	21184	131815 QTY 2X2X.25" ANGLE SS3106 X 21' 131839 QTY 1 18 GA GALV SHEET 4'X10'	1,012.36	797.03 215.33	18 18
ALPHA ANALYTICAL LABORATORIES CONTRACT SERV. (NON-MAINT.)	21185	CM01312017 CREDIT MEMO FOR INV 6082550 DUPLICATE PAYME 7042375RPSVCW PLANT PERMIT LAB ANAYISIS 7051429RPSVCW PLANT PERMIT LAB ANALYSIS 7052273RPSVCW SAN CARLOS LAB ANALYSIS 7053488RPSVCW SAN CARLOS LAB ANALYSIS 7062649RPSVCW PLANT PERMIT LAB ANALYSIS 7063531RPSVCW PLANT PERMIT LAB ANALYSIS 7071926RPSVCW PLANT PERMIT LAB ANALYSIS 7072239RPSVCW RWC LAB ANALYSIS 7072240RPSVCW SAN CARLOS LAB ANALYSIS	25.00	-1,645.00 105.00 190.00 595.00 85.00 105.00 105.00 315.00 85.00 85.00	18 18 18 18 18 18 18 18 18 18

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
08/11/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
AT&T	21186		330.66		
UTILITIES		707201701511 7/7-8/6/17 SCPS AT&T SERVICE		66.89	18
		707201715339 7/7-8/6/17 RWCPS AT&T SERVICE		98.44	18
		707201724836 7/7-8/6/17 MPPS AT&T SERVICE		98.44	18
		707201796059 7/7-8/6/17 BLPS AT&T SERVICE		66.89	18
BANK OF NEW YORK MELLON, THE	21187		1,500.00		
CONTRACT SERV. (NON-MAINT.)		2522042024 8/1/17-7/31/18 TRUSTEE FEE		1,500.00	18
BIOFORCETECH CORPORATION	21188		1,603.20		
CONTRACT SERV. (NON-MAINT.)		1003 6/17 BIOSOLIDS TREATMENT PROCESS - BIODRYING		1,603.20	18
BORGES & MAHONEY COMPANY	21189		548.86		
MISCELLANEOUS		REISS138766 REISS CK#20148 DTD 4/7/17 VARIOUS PARTS		483.48	18
		REISS138766 REISS CK#20148 DTD 4/7/17 VARIOUS PARTS		30.63	18
		REISS138766 REISS CK#20148 DTD 4/7/17 VARIOUS PARTS		15.76	18
		REISS138766 REISS CK#20148 DTD 4/7/17 VARIOUS PARTS		18.99	18
BROWN & CALDWELL	21190		84,648.91		
CONTRUCTION-DESIGN		11293653 3/31-5/25/17 T.O.2015-08 SPA-ENG AUTOMATION S		1,823.75	20
		11296151 12/30/16-6/30/17 T.O.2015-06 PRIM SEDIMENTATI		2,964.75	20
		11296151 12/30/16-6/30/17 T.O.2015-06 PRIM SEDIMENTATI		988.25	20
PROFESSIONAL SERVICES		11296220 5/26-6/30/17 T.O.2016-06 ENG OPERATION BUDGET		3,146.50	18
CONTRUCTION-DESIGN		11296810 5/26-6/29/17 T.O.2016-09 MPPS PROJ PLANNING R		1,346.20	20
		11296811 5/26-6/29/17 T.O.2016-11 FOP PROJ/PHASE1 OWNE		24,579.73	20
		11296811 5/26-6/29/17 T.O.2016-11 FOP PROJ/PHASE1 OWNE		24,579.74	20
		11296811 5/26-6/29/17 T.O.2016-11 FOP PROJ/PHASE1 OWNE		24,579.74	20
		11296983 5/26-6/29/17 T.O.2015-08 SPA-ENG AUTOMATION S		640.25	20

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BUCKLES SMITH ELECTRIC COMPANY	21191		4,681.50		
MISCELLANEOUS		304350800 VARIOUS ELECTRICAL PARTS		4,154.52	18
MACHINERY AND EQUIP MAINT MATE		304414801 VARIOUS ELECTRICAL PARTS		205.62	18
		304414801 VARIOUS ELECTRICAL PARTS		196.71	18
		304414801 VARIOUS ELECTRICAL PARTS		124.65	18
C.W.E.A. - SCVS	21192		210.00		
MEMB. & MEET.		8112017 7/20/17 CWEA DINNER MEETING		70.00	18
		8112017 7/20/17 CWEA DINNER MEETING		70.00	18
		8112017 7/20/17 CWEA DINNER MEETING		35.00	18
		8112017 7/20/17 CWEA DINNER MEETING		35.00	18
CALIFORNIA DETAILERS, INC.	21193		275.00		
MACH & EQUIP MAINT SERVICES		44590 7/10/17 FLEET VEHICLE ON-SITE WASH		275.00	18
CALIFORNIA ENVIRONMENTAL DEWAT	21194		22,659.32		
CHEMICAL SUPPLIES		1340 7/18/17 45520 CED 1004 POLYMER		21,781.32	19
		1340 7/18/17 45520 CED 1004 POLYMER		878.00	19
CALIFORNIA WATER SERVICE CO	21195		336.64		
UTILITIES		7172017 6/15-7/14/17 SCPS WATER SERVICE		336.64	18
COLLABORATIVE STRATEGIES CONSU	21196		17,010.00		
CONTRUCTION-DESIGN		18501SV0717 6/30-7/27/17 T.O.2017-01 PROPERTY ACQUISIT		1,575.00	20
		18605SV0717 6/30-7/27/17 T.O.2016-05 RWCPS REPLACEMENT		7,140.00	20
		18606SV0717 6/30-7/27/17 T.O.2016-06 MPPS REHABILITATI		6,405.00	20
		19601SV0717 6/30-7/27/17 T.O.2016-01 BELMONT FORCE MAI		1,890.00	20
COMCAST CORPORATION	21197		13,923.85		
UTILITIES		55670015 8/2017 COMCAST PHONE CHARGES		6,160.24	18
		55673596 7/2017 COMCAST PHONE CHARGES 1400 RADIO RD		393.86	18
		547458367 7/2017 COMCAST PHONE CHARGES		7,369.75	18

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CONSOLIDATED PARTS INC.	21198		1,564.37		
MISCELLANEOUS		5040784 QTY 6 KEYPAD MTG KT		256.49	18
		5040784 QTY 6 KEYPAD MTG KT		1,307.88	18
DELL MARKETING L.P.	21199		3,655.22		
SUPPLIES		XK1K9M837 CREDIT MEMO FOR INV XK1J53X19 PO27508		-1,859.21	18
MACH & EQUIP MAINT SERVICES		10157391299 DELL TECHNICAL SUPPORT SERVICES TO 4/11/20		1,796.00	18
SUPPLIES		XK1J53X19 DELL LAPTOP		3,718.43	18
ENVIRONMENTAL BIOTECH INTERNAT	21200		329.95		
MISCELLANEOUS		16857TAX SALES TAX LIABILITY		-26.25	18
SMALL TOOLS		16857 QTY 1 DIP STICK PRO WITH 4' EXTENSION		356.20	18
ENVIRONMENTAL EXPRESS, INC	21201		1,179.28		
SUPPLIES		1000473452 QTY 4 SYRINGE FILTERS		1,179.28	18
FASTENAL COMPANY	21202		2,637.34		
SUPPLIES		CASAA53834 VENDOR MANAGED RESTOCK		1,487.81	18
		CASAA53835 VENDOR MANAGED RESTOCK		1,149.53	18
FED EX	21203		144.81		
SUPPLIES		587229539 6/9-7/5/17 FED EX CHARGES		89.21	18
		587229539 6/9-7/5/17 FED EX CHARGES		14.02	18
		587229539 6/9-7/5/17 FED EX CHARGES		41.58	18
FERGUSON ENTERPRISES INC	21204		4,322.81		
MISCELLANEOUS		1285912 QTY 3 50 LINE SWING CHECK VALVE		4,322.81	18
FISHER SCIENTIFIC COMPANY	21205		58.10		
SUPPLIES		3517846 LAB SUPPLIES		58.10	18

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FITZGERALD LAW OFFICES	21206		12,171.90		
CONST.-ADMIN. & LEGAL		8112017 7/17 PROF LEGAL SVCS - 63" FORCE MAIN RELIABIL		3,480.00	20
		8112017B REIM-7/17 PROF LEGAL SVCS-63" FORCE MAIN RELI		100.20	20
PROFESSIONAL SERVICES		8112017C 7/17 GENERAL LEGAL SERVICES		8,491.50	18
		8112017D REIM-7/17 GENERAL LEGAL SERVICES		100.20	18
FIVESKY	21207		43,480.79		
MACH & EQUIP MAINT SERVICES		FSUSIN6366 CISCO SMARTNET RENEWAL TO 6/30/18		43,480.79	18
FOURNIER INDUSTRIES, INC.	21208		2,653.50		
MISCELLANEOUS		L132643 QTY 24 GLAND COVER SEAL FOR CHANNEL 36"		2,653.50	18
FRANK A. OLSEN CO.	21209		4,136.85		
MACHINERY AND EQUIP MAINT MATE		238278 QTY 2 GEARBOX/HANDWHEEL, QTY 1 DEZURIK, QTY 1 T		1,618.20	18
MISCELLANEOUS		238278 QTY 2 GEARBOX/HANDWHEEL, QTY 1 DEZURIK, QTY 1 T		2,518.65	18
GABLE, ERIC	21210		229.98		
SUPPLIES		8112017 REIM-8/1/17 SAFETY SHOES		229.98	18
GRAINGER	21211		51.29		
MACHINERY AND EQUIP MAINT MATE		9506964247 RESTOCK ITEMS		51.29	18
GROENIGER & COMPANY INC	21212		2,996.06		
MISCELLANEOUS		1280421 QTY 1 8 FLANGE L&W CHK VALVE		2,996.06	18
HUBBARD, JEFF	21213		203.49		
SUPPLIES		8112017 REIM-7/10/17 LIGHT BULBS, 50' EXT CORDS, HEAT		203.49	18
IDEXX DISTRIBUTION, INC	21214		880.61		
SUPPLIES		3019297175 QTY 5 GAMMA IRRAD COLILERT-18		880.61	18

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INDUSTRIAL SAFETY SUPPLY CORPO	21215		58.68		
MISCELLANEOUS		1049732 SAFETY PRODUCTS		58.68	18
JENTECH SERVICES	21216		7,986.53		
MACH & EQUIP MAINT SERVICES		2235 7/21-8/3/17 INSTRUMENT CALIBRATION		1,425.00	18
		2235 7/21-8/3/17 INSTRUMENT CALIBRATION		285.00	18
		2235 7/21-8/3/17 INSTRUMENT CALIBRATION		3,610.00	18
		2235 7/21-8/3/17 INSTRUMENT CALIBRATION		285.00	18
		2235 7/21-8/3/17 INSTRUMENT CALIBRATION		2,316.10	18
		2235 7/21-8/3/17 INSTRUMENT CALIBRATION		65.43	18
KELLER CANYON LANDFILL CO.	21217		755.66		
CONTRACT SERV. (NON-MAINT.)		4212000025968 7/10/17 SEWER GRIT SCRIN DRYING BED HAULI		755.66	18
KENNEDY/JENKS CONSULTANTS, INC	21218		7,080.50		
CONTRUCTION-DESIGN		113987 THRU 7/21/17 T.O.2017-04 GRAVITY PIPELINE ADMIN		3,111.50	20
		113988 THRU 7/28/17 T.O.2017-05 GRAVITY PIPELINE ADMIN		142.86	20
		113988 THRU 7/28/17 T.O.2017-05 GRAVITY PIPELINE ADMIN		242.11	20
		113988 THRU 7/28/17 T.O.2017-05 GRAVITY PIPELINE ADMIN		1,909.09	20
		113988 THRU 7/28/17 T.O.2017-05 GRAVITY PIPELINE ADMIN		1,321.68	20
		113988 THRU 7/28/17 T.O.2017-05 GRAVITY PIPELINE ADMIN		190.51	20
		113988 THRU 7/28/17 T.O.2017-05 GRAVITY PIPELINE ADMIN		162.75	20
MENLO PARK, CITY OF	21219		255.28		
UTILITIES		727201735494 6/22-7/21/17 MPPS WATER SERVICE		255.28	18
MID-PENINSULA WATER DISTRICT	21220		125.87		
UTILITIES		731201762000 7/1-7/31/17 BLPS WATER SERVICE		125.87	18
MURPHY, NATHAN	21221		260.00		
TRAINING		8112017 REIM-6/2/17 CONTINUED EDUCATION - THOMPSON LEA		160.00	18
		8112017B REIM-7/26/17 DIR ELECTRICIAN CERTIFICATION FU		100.00	18

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NAVIA BENEFIT SOLUTIONS	21222		186.10		
ADMINISTRATIVE EXPENSES		10096269 7/2017 PARTICIPANT FEE		186.10	18
NEXLEVEL INFORMATION TECHNOLOG	21223		1,225.00		
CONST.-ADMIN. & LEGAL		20170731 7/17 ERP PROCUREMENT ENGAGEMENT		1,225.00	20
O.K. LUMBER COMPANY	21224		799.70		
SUPPLIES		428727 QTY 4 PLYWOOD		124.32	18
MACHINERY AND EQUIP MAINT MATE		428727A QTY 2 REBAR, QTY 5 CONCRETE		18.27	18
		428727A QTY 2 REBAR, QTY 5 CONCRETE		28.82	18
		429170 QTY 4 55# CEMENT, QTY 4 25# CEMENT		84.82	18
		429170 QTY 4 55# CEMENT, QTY 4 25# CEMENT		123.98	18
		432007 PLYWOOD		62.16	18
		432007 PLYWOOD		266.22	18
MISCELLANEOUS		432007A PLYWOOD		91.11	18
OFFICE DEPOT	21225		672.32		
OFFICE SUPPLIES		940891608001 OFFICE SUPPLIES		100.91	18
		944042182001 OFFICE SUPPLIES		252.29	18
		947395437001 OFFICE SUPPLIES		179.55	18
SUPPLIES		947395437001 OFFICE SUPPLIES		139.57	18
OGASAWARA LANDSCAPE MAINTENANC	21226		3,700.00		
CONTRACT SERV. (NON-MAINT.)		24188 7/17 MISC LANDSCAPING		1,200.00	18
		24242 7/17 LANDSCAPE SERVICE		2,500.00	18

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PACIFIC GAS AND ELECTRIC COMPA UTILITIES	21227		158,298.75		
		76587088 5/17-6/17 DEPARTING LOAD		12,760.24	18
		76587088 5/17-6/17 DEPARTING LOAD		12,612.46	18
		719201724970 6/10-7/11/17 GREENDALE GAS AND ELECTRIC S		1,326.76	18
		720201719225 6/14-7/14/17 SCPS ELECTRIC SERVICE		5,679.91	18
		720201788673 6/15-7/14/17 BLPS ELECTRIC SERVICE		3,525.96	18
		720201790892 6/15-7/14/17 1406 RADIO RD GAS & ELECTRIC		559.51	18
		728201783066 6/27-7/26/17 PLANT ELECTRIC SERVICE		102,751.89	18
		801201703894 6/26-7/25/17 RCPS ELECTRIC SERVICE		23.61	18
		801201726195 6/22-7/25/17 MPPS ELECTRIC SERVICE		6,982.24	18
		804201765919 6/30-7/31/17 PLANT GAS SERVICE		772.08	18
		8041201743834 6/26-7/25/17 RCPS ELECTRIC SERVICE		11,304.09	18
POLYDYNE, INC. CHEMICAL SUPPLIES	21228		43,446.71		
		1154592 7/12/17 41400 CLARIFLOC C-6265		43,446.71	18
R & B COMPANY MACHINERY AND EQUIP MAINT MATE	21229		1,767.76		
		S1664479001 PLUMBING SUPPLIES		894.32	18
		S1664479001 PLUMBING SUPPLIES		118.56	18
		S1664479001 PLUMBING SUPPLIES		321.92	18
		S1664479001 PLUMBING SUPPLIES		217.60	18
MISCELLANEOUS		SA1663737001 PLUMBING SUPPLIES		215.36	18
RED WING SHOE STORE SUPPLIES	21230		1,269.53		
		13152 7/2017 SAFETY SHOES-VARIOUS EMPLOYEES		1,269.53	18
REDWOOD CITY, CITY OF - WATER UTILITIES	21231		4,104.36		
		728201706774 6/28-7/28/17 RCPS WATER SERVICE		75.95	18
		728201719903 6/28-7/28/17 1406 WATER, SEWER, GARBAGE S		211.97	18
		728201719929 6/28-7/28/17 1406 FIRE SERVICE		96.00	18
		728201786984 6/28-7/28/17 PLANT WATER, GARBAGE SERVICE		3,720.44	18

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ROYAL WHOLESALE ELECTRIC	21232		16,037.06		
SUPPLIES		7003640525 VARIOUS CONDUIT PARTS		422.09	18
MACHINERY AND EQUIP MAINT MATE		7003640525 VARIOUS CONDUIT PARTS		163.13	18
SUPPLIES		7003640525 VARIOUS CONDUIT PARTS		557.89	18
MACHINERY AND EQUIP MAINT MATE		7003640525 VARIOUS CONDUIT PARTS		5,127.63	18
		7003640525 VARIOUS CONDUIT PARTS		490.03	18
MACH & EQUIP MAINT SERVICES		7003642717 VARIOUS CONDUIT PARTS		59.81	18
MISCELLANEOUS		7003642717 VARIOUS CONDUIT PARTS		119.63	18
SUPPLIES		7003642917 VARIOUS CONDUIT PARTS		154.96	18
		7003642917 VARIOUS CONDUIT PARTS		154.97	18
MACHINERY AND EQUIP MAINT MATE		7003642917 VARIOUS CONDUIT PARTS		2,119.32	18
SUPPLIES		7003642917 VARIOUS CONDUIT PARTS		131.12	18
		7003642917 VARIOUS CONDUIT PARTS		235.88	18
MACHINERY AND EQUIP MAINT MATE		7003642917 VARIOUS CONDUIT PARTS		717.75	18
		7003642917 VARIOUS CONDUIT PARTS		242.08	18
		7003642917 VARIOUS CONDUIT PARTS		103.75	18
		7003642917 VARIOUS CONDUIT PARTS		138.33	18
		7003642917 VARIOUS CONDUIT PARTS		138.33	18
SUPPLIES		7003642917 VARIOUS CONDUIT PARTS		493.29	18
		7003642917 VARIOUS CONDUIT PARTS		399.46	18
		7003642917 VARIOUS CONDUIT PARTS		260.87	18
MACHINERY AND EQUIP MAINT MATE		7003642917 VARIOUS CONDUIT PARTS		3,580.59	18
MACH & EQUIP MAINT SERVICES		7003643599 VARIOUS CONDUIT PARTS		226.15	18
SAFETY COMPLIANCE MANAGEMENT I	21233		6,780.00		
CONSTRUCTION-CONTRACTOR		8260 7/18-7/19/17 TRAINING-CONFINED SPACE RESCUE STAND		6,780.00	20
SANDUL, DUANE	21234		1,700.00		
PROFESSIONAL SERVICES		7SVCW2017 7/2017 PROFESSIONAL SERVICES		1,700.00	18
SILICON VALLEY CLEAN WATER (SA	21235		1,800.00		
ADMINISTRATIVE EXPENSES		8112017 9/17 SAFETY INCENTIVE		1,800.00	18

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STATIONARY ENGINEERS LOCAL 39	21236		70.00		
MISCELLANEOUS		8112017 ONE TIME INITIATION FEE FOR ANTHONY BERTOLUCCI		70.00	11
STEVEN ENGINEERING INC.	21237		381.72		
MACHINERY AND EQUIP MAINT MATE		243871100 QTY 1 UTC SIGNALING TONE		381.72	18
SUNSTATE EQUIPMENT CO.	21238		5,730.16		
CONSTRUCTION-CONTRACTOR		7079594001 RENTAL QTY 3 FAN-36" BOX ELECTRIC		405.08	20
		7079628001 RENTAL-GENERATOR-TOWABLE 20KW DIESEL, POWER		1,704.17	20
		7079734001 RENTAL QTY 1 MANLIFT-20' SELF PROP ELECTRIC		722.96	20
		7079735001 RENTAL QTY 1 MANLIFT-20' SELF PROP ELECTRIC		502.96	20
		7080044001 RENTAL-GENERATOR-TOWABLE 20KW DIESEL, POWER		2,394.99	20
SYNAGRO TECHNOLOGIES INC	21239		78,596.36		
CONTRACT SERV. (NON-MAINT.)		3102904 5/17 BIOSOLIDS HAULING		40,169.28	18
		3102937 6/17 BIOSOLIDS HAULING		38,427.08	18

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TANNER PACIFIC, INC.	21240		121,579.09		
CONSTRUCTION-CONTRACTOR		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		5,780.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		11,516.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		300.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		1,236.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		21,472.19	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		9,542.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		22,998.40	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		200.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		134.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		15,192.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		6,643.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		239.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		5,864.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		12,462.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		115.50	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		2,540.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		384.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		680.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		134.00	20
		217064 7/16-7/29/17 T.O.2016-01 CONSTRUCTION MGMT VARI		1,741.00	20
CONSTRUCTION-CONSTRUCTION MGMT		217065 7/16-7/29/17 T.O.2017-03 PUMP STATION VALVE REP		1,203.00	14
		217065 7/16-7/29/17 T.O.2017-03 PUMP STATION VALVE REP		1,203.00	14
TELEPACIFIC COMMUNICATIONS	21241		10,262.69		
UTILITIES		927293690 7/9-8/8/17 TELEPACIFIC SERVICE		10,262.69	18
THOMAS FISH CO.	21242		127.00		
SUPPLIES		21873 QTY 110 RAINBOW TROUT FISHES		127.00	18
TSUKUSHI, RICHARD	21243		105.00		
MACH & EQUIP MAINT SERVICES		5480 7/18/17 BLPS BACKFLOW SERVICE		105.00	18

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U.S. BANK CORPORATE PAYMENT SY	21244		4,038.84		
SUPPLIES		72420173 7/12/17 REFRESHMENTS FOR SVCW COMMISSION MTG		16.66	18
MEMB. & MEET.		7242017BB1 7/6/17 MEMBERSHIP RENEWAL - MISAC		160.00	18
SUPPLIES		7242017BB2 7/14/17 SERVER LICENSE RENEWAL - MS 0365 MI		56.00	18
		7242017BB3 7/14/17 USER LICENSING RENEWAL - MS 0365 MI		180.00	18
MEMB. & MEET.		7242017DC1 6/21/17 DINNER MEETING - ALT INSURANCE, SKY		67.00	18
SUPPLIES		7242017DC2 6/28/17 FUEL EXPENSE - 76 HILLCREST		107.50	18
		7242017DC3 6/29/17 FUEL EXPENSE - MAVERIK #342		78.00	18
		7242017DC4 7/2/17 FUEL EXPENSE - MAVERIK #484		31.50	18
		7242017DC5 7/2/17 FUEL EXPENSE - MAVERIK #538		57.00	18
		7242017DC6 7/2/17 FUEL EXPENSE - PILOT		68.00	18
		7242017DC7 7/3/17 FUEL EXPENSE - MAVERIK #453		68.00	18
		7242017DC8 7/3/17 FUEL EXPENSE - PILOT		87.00	18
		7242017DC9 7/3/17 FUEL EXPENSE - CHEVRON		71.50	18
MEMB. & MEET.		7242017EM1 6/28/17 CWEA ANNUAL MEMBERSHIP RENEWAL - T		172.00	18
TRAINING		7242017EM2 6/29/17 CWEA TCP CERTIFICATION - MT-4 T POW		98.00	18
MEMB. & MEET.		7242017EM3 6/29/17 CWEA ANNUAL MEMBERSHIP RENEWAL - J		172.00	18
		7242017EM4 6/29/17 CWEA ANNUAL MEMBERSHIP RENEWAL - E		172.00	18
		7242017EM5 6/29/17 CWEA ANNUAL MEMBERSHIP RENEWAL - C		172.00	18
TRAINING		7242017EM6 6/29/17 CWEA ANNUAL MEMBERSHIP RENEWAL/TCP		83.00	18
MEMB. & MEET.		7242017EM6 6/29/17 CWEA ANNUAL MEMBERSHIP RENEWAL/TCP		172.00	18
TRAINING		7242017EM7 6/29/17 CWEA MEMBERSHIP RENEWAL/TCP CERT -		98.00	18
MEMB. & MEET.		7242017EM7 6/29/17 CWEA MEMBERSHIP RENEWAL/TCP CERT -		172.00	18
		7242017EM8 6/29/17 CWEA MEMBERSHIP RENEWAL/TCP CERT -		172.00	18
TRAINING		7242017EM8 6/29/17 CWEA MEMBERSHIP RENEWAL/TCP CERT -		83.00	18
		7242017EM9 6/29/17 CWEA TCP CERTIFICATION MT-4 - M DAL		98.00	18
SUPPLIES		7242017IS1 6/28/17 SVCW BUSINESS CARDS - 3 EE'S VISTAP		107.86	18
MEMB. & MEET.		7242017IS2 7/6/17 ANNUAL MEMBERSHIP DUES - CHAMBER RWC		395.00	18
SUPPLIES		7242017IS4 7/18/17 REFRESHMENTS FOR SVCW DIRECTORS MTG		8.58	18
		7242017IS5 7/20/17 REFRESHMENTS FOR DIRECTORS MTG - SP		182.34	18
TRAINING		7242017IS6 7/22/17 NOTARY RENEWAL COURSE & EXAM - NNA		632.90	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	21245		4,451.27		
TRAINING		7242017JF1 7/6/17 WEBINAR - STRATEGIES FOR TACTICS AT		70.00	18
ADMINISTRATIVE EXPENSES		7242017JF2 7/17/17 JOB POSTING - MATERIALS SVCS SUPV,		285.00	18
		7242017JF3 7/17/17 JOB POSTING - MATERIALS SVCS SUPV,		200.00	18
		7242017JF4 7/17/17 JOB POSTING - MATERIALS SVCS SUPV,		195.00	18
		7242017JF5 7/17/17 JOB POSTING - MATERIALS SVCS SUPV,		145.00	18
		7242017JF6 7/20/17 JOB POSTING - BUSINESS ANALYST, CA		285.00	18
		7242017JF7 7/20/17 JOB POSTING - BUSINESS ANALYST, BRO		200.00	18
SUPPLIES		7242017LB1 7/5/17 FASTER TOLLS		160.00	18
		7242017LB2 7/7/17 REFRESHMENTS FOR MONTHLY EE MEETING		90.00	18
		7242017LB3 7/12/17 REFRESHMENTS FOR MONTHLY EE MEETING		30.00	18
CONST.-ADMIN. & LEGAL		7242017MA1 6/27/17 TAXI CHARGE TO YLWD - KIM TAXI		55.40	20
		7242017MA2 6/27/17 MEAL EXPENSE - WORKING LUNCH YLWD,		60.81	20
CONF. & TRAV.		7242017MA3 6/29/17 DINNER MEETING - GASTHOF ZUR GEMUTL		98.08	18
CONST.-ADMIN. & LEGAL		7242017MA4 6/29/17 LODGING EXPENSE - MATT A, COMFORT S		138.19	20
		7242017MA5 6/29/17 LODGING EXPENSE - BOB H, COMFORT SU		138.19	20
		7242017MA6 6/29/17 LODGING EXPENSE - ROSENDO G, COMFOR		138.19	20
CONF. & TRAV.		7242017MA7 6/30/17 PARKING FEE - ANZA PARKING CORP		32.41	18
		7242017MA8 7/13/17 FUEL EXPENSE - 76-J S T LLC		26.55	18
		7242017MA9 7/13/17 FUEL EXPENSE - EXXONMOBIL		45.82	18
MACH & EQUIP MAINT SERVICES		7242017MH1 6/29/17 SVCW VEHICLE CAR WASH		23.99	18
		7242017MH2 7/3/17 FLOOR MAT FOR SVCW VEHICLE		156.61	18
SUPPLIES		7242017ND1 6/26/17 QTY 5 BUCKETS AND LIDS - HOME DEPOT		26.43	18
SMALL TOOLS		7242017ND2 7/17/17 QTY 1 BUNGEE CORD, QTY 1 HANDTRUCK		42.36	18
CONF. & TRAV.		7242017RH1 6/23/17 AIRFARE - FLIGHT TO NEMC CONFERENCE		567.41	18
		7242017RH2 6/23/17 BAGGAGE FEE - FLIGHT TO NEMC CONFER		25.00	18
		7242017RH3 6/23/17 BAGGAGE FEE - FLIGHT TO NEMC CONFER		25.00	18
		7242017RH4 6/23/17 PREFERRED SEAT FEE - FLIGHT TO NEMC		40.00	18
SUPPLIES		7242017RH5 6/24/17 PH/TEMP METERS - VWR INTERNATIONAL		112.41	18
		7242017RH6 6/28/17 QTY 3 SULFIDE 10N TUBES 10PK - TFS		429.02	18
TRAINING		7242017RH7 7/13/17 AIRFARE - ATL TITAN, TIFFANY I, UNI		609.40	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	21246		3,371.46		
MEMB. & MEET.		7242017RH8 7/15/17 TNI MEMBERSHIP FEE - BOB W, THE NEL		75.00	18
CONF. & TRAV.		7242017RH9 7/15/17 NEMC CONFERENCE FEE - BOB W, THE NE		495.00	18
SUPPLIES		7242017TH1 7/2/17 FUEL EXPENSE - CHEVRON		52.01	18
		7242017TH2 7/6/17 FUEL EXPENSE - MONTCLAIR GAS & AUTO		53.69	18
MEMB. & MEET.		7242017TH3 7/12/17 PARKING FEE - ASCE DINNER MTG, PORT		5.25	18
SUPPLIES		7242017TH4 7/20/17 FUEL EXPENSE - COARSEGOLD KWIK SERV		29.17	18
OFFICE SUPPLIES		7242017VV1 6/22/17 MEAL EXPENSE - FOP INTERVIEW PANEL,		303.35	18
		7242017VV2 7/3/17 MEAL EXPENSE - FOP INTERVIEW PANEL,		373.84	18
SUPPLIES		7242017DC10 7/4/17 FUEL EXPENSE - CHEVRON		17.25	18
		7242017DC11 7/6/17 FUEL EXPENSE - CHEVRON		48.50	18
		7242017DC12 7/8/17 FUEL EXPENSE - CHEVRON		30.01	18
CONF. & TRAV.		7242017DC13 7/11/17 LODGING EXPENSE - RESIDENCE INN		155.31	18
SUPPLIES		7242017DC14 7/22/17 RETURN OF KEYLESS CAM ACC COMBO, 6		-140.29	18
SMALL TOOLS		7242017EM10 7/7/17 PRESSURE WASHER NOZZLE - BEAST/FOG,		78.19	18
CONSTRUCTION-DESIGN		7242017EM11 7/11/17 FOLDING CHAIRS - CONVEYANCE SYST S		217.28	20
MACHINERY AND EQUIP MAINT MATE		7242017EM12 7/12/17 FUSES FOR GAS SKID SYSTEM - J LOST		187.28	18
CONSTRUCTION-DESIGN		7242017EM13 7/13/17 MEAL EXPENSE FOR OPERATIONS DURING		165.10	20
CONF. & TRAV.		7242017MA10 7/16/17 FUEL EXPENSE - 76 DAILY CITY 76		51.33	18
SUPPLIES		7242017RH10 7/19/17 SYRINGE FILTERS FOR IC ANALYSIS -		624.39	18
		7242017RH11 7/20/17 OPTO 22 240D25-17 DC CONTROL SOLID		49.15	18
MISCELLANEOUS		7242017DM1TAX SALES TAX LIABILITY		-47.94	18
		7242017DM3TAX SALES TAX LIABILITY		-5.33	18
		7242017DM8TAX SALES TAX LIABILITY		-254.68	18
		7242017DM9TAX SALES TAX LIABILITY		-27.30	18
		7242017JD2TAX SALES TAX LIABILITY		-36.75	18
		7242017JD4TAX SALES TAX LIABILITY		-12.21	18
		7242017MH2TAX SALES TAX LIABILITY		-1.44	18
		7242017DM1 6/21/17 CAP PROX PL M18 NPN - CARLO GAVAZZI		595.95	18
MACHINERY AND EQUIP MAINT MATE		7242017DM1 6/21/17 CAP PROX PL M18 NPN - CARLO GAVAZZI		148.99	18
SMALL TOOLS		7242017DM10 7/19/17 QTY 1 HOOVER T SERIES WINDTUNNAL R		141.36	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	21247		8,955.15		
SUPPLIES		7242017DM11 7/22/17 QTY 2 RUBBERMAID COMMERCIAL HEAVY		377.32	18
		7242017DM2 7/2/17 PUR MINERAL CLEAR FAUCET AND FILTER		49.41	18
SMALL TOOLS		7242017DM2 7/2/17 PUR MINERAL CLEAR FAUCET AND FILTER		31.34	18
MACHINERY AND EQUIP MAINT MATE		7242017DM3 7/7/17 CURRENT SWITCH MINI SPLIT CORE - VER		205.54	18
CONTRUCTION-DESIGN		7242017DM4 7/10/17 QTY 7 FOLDING TABLE, QTY 6 50 QT CO		304.35	20
		7242017DM4 7/10/17 QTY 7 FOLDING TABLE, QTY 6 50 QT CO		117.25	20
CONTRACT SERV. (NON-MAINT.)		7242017DM5 7/10/17 GE 5.6 CU FT MINI REFRIGERATOR - HO		449.41	18
CONTRUCTION-DESIGN		7242017DM6 7/10/17 QTY 8 RUBBERMAID 50 QT COOLER - HOM		156.70	20
MACHINERY AND EQUIP MAINT MATE		7242017DM7 7/13/17 QTY 2 ALL TRAIL II 25X9-12, QTY 2 F		565.38	18
MISCELLANEOUS		7242017DM8 7/14/17 QTY 1 EPDM-SIL/SIL 1HP, QTY 1 2*X1.		2,225.76	18
		7242017DM8 7/14/17 QTY 1 EPDM-SIL/SIL 1HP, QTY 1 2*X1.		1,105.99	18
		7242017DM9 7/18/17 QTY 4 VARIOUS RUSCO SPIN DOWN FILTE		84.23	18
		7242017DM9 7/18/17 QTY 4 VARIOUS RUSCO SPIN DOWN FILTE		84.23	18
		7242017DM9 7/18/17 QTY 4 VARIOUS RUSCO SPIN DOWN FILTE		85.43	18
		7242017DM9 7/18/17 QTY 4 VARIOUS RUSCO SPIN DOWN FILTE		85.43	18
		7242017JD1 6/26/17 COFFEE SUPPLIES - COSTCO		94.97	18
MACHINERY AND EQUIP MAINT MATE		7242017JD2 6/27/17 PUMP MOTOR - MCQUEEN LABS		456.75	18
CONTRUCTION-DESIGN		7242017JD3 7/5/17 DROPPER BOTTLES - AMAZON		121.37	20
		7242017JD3 7/5/17 DROPPER BOTTLES - AMAZON		60.89	20
		7242017JD3 7/5/17 DROPPER BOTTLES - AMAZON		15.89	20
SUPPLIES		7242017JD4 7/9/17 LAB SUPPLIES FOR AQUARIUM - AMAZON		151.71	18
MACH & EQUIP MAINT SERVICES		7242017JD5 7/11/17 FLOWMETER - FLEXIM AMERICAS		50.00	18
MACHINERY AND EQUIP MAINT MATE		7242017JD5 7/11/17 FLOWMETER - FLEXIM AMERICAS		2,075.80	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
UNIVAR USA INC.	21248		32,519.66		
CHEMICAL SUPPLIES		SJ307802 CREDIT MEMO FOR INV SJ818797		-178.56	18
		SJ825696 7/9/17 4600 GAL SOD HYPO		2,441.22	18
		SJ825767 7/11/17 4198.3769 GAL SOD BISULFITE		5,935.45	18
		SJ826308 7/12/17 4589 GAL SOD HYPO		2,435.38	18
		SJ826848 7/15/17 4499 GAL SOD HYPO		2,387.61	18
		SJ827305 7/18/17 4384 GAL SOD BISULFITE		6,323.00	18
		SJ827447 7/17/17 3994 GAL SOD HYPO		2,119.61	18
		SJ828088 7/20/17 4499 GAL SOD HYPO		2,387.61	18
		SJ829293 7/27/17 4501 GAL SOD HYPO		2,388.69	18
		SJ829411 7/27/17 4441.8395 GAL SOD BISULFITE		6,279.65	18
VALLEY OIL COMPANY (VEHICLE FUEL SUPPLIES)	21249		426.41		
		468306 7/1-7/13/17 FUEL CHARGES COMPANY VEHICLES		426.41	18
VERIZON WIRELESS UTILITIES	21250		10.02		
		9789836956 6/24-7/23/17 VERIZON SERVICE		10.02	18
VWR INTERNATIONAL, LLC SUPPLIES	21251		889.84		
		8049280134 LAB SUPPLIES		351.78	18
		8049302392 LAB SUPPLIES		509.39	18
		8049302392 LAB SUPPLIES		28.67	18
WANDRO, ROBERT UTILITIES	21252		79.78		
		8112017 REIM-7/17 CELL PHONE EXPENSE		45.00	18
MEMB. & MEET.		8112017B REIM-7/11/17 MILEAGE EXPENSE - HIRE PANEL AT		34.78	18
WATSON-MARLOW INC MISCELLANEOUS	21253		3,777.30		
		SI042188 QTY 4 BORE PVC TUBING, QTY 8 LOADSURE MARPREN		952.31	18
		SI042188 QTY 4 BORE PVC TUBING, QTY 8 LOADSURE MARPREN		796.05	18
		SI043107 QTY 10 BORE PVC TUBING		2,028.94	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WELLS FARGO-COMML OPERATIONS	21254		5,965.19		
INTEREST EXPENSES		1711049793 LOC#7829596836 7/3-7/31/17 INTEREST FEE-LIN		903.13	20
		1711049793 LOC#7829596836 7/3-7/31/17 INTEREST FEE-LIN		2,897.29	20
		1711049793 LOC#7829596836 7/3-7/31/17 INTEREST FEE-LIN		1,601.06	20
		1711049793 LOC#7829596836 7/3-7/31/17 INTEREST FEE-LIN		563.71	20
WESTERN ENERGY SYSTEMS	21255		8,651.78		
TRAINING		R025962J 7/10-7/13/17 JENBACHER TRAINING		8,651.78	18
WESTIN ENGINEERING, INC.	21256		1,900.00		
PROFESSIONAL SERVICES		3232 THRU 7/28/17 PROFESSIONAL SERVICES		550.00	18
		3232A THRU 7/28/17 PROFESSIONAL SERVICES		1,350.00	18
WSP USA INC	21257		2,294.00		
CONTRUCTION-DESIGN		PB20AR701292 10/1/16-1/31/17 T.O.2016-03 63" FORCE MAI		2,294.00	20
XEROX CORPORATION	21258		7,093.91		
UTILITIES		89762524 7/17 XEROX LEASE		534.01	18
		89762525 7/17 XEROX LEASE		256.53	18
		89762526 7/17 XEROX LEASE		282.59	18
		89762527 7/17 XEROX LEASE		290.38	18
		89762528 7/17 XEROX LEASE		705.08	18
		89762529 7/17 XEROX LEASE		1,178.95	18
		89762530 7/17 XEROX LEASE		370.74	18
		90116723 8/17 XEROX LEASE		462.17	18
		90116724 8/17 XEROX LEASE		271.78	18
		90116725 8/17 XEROX LEASE		354.67	18
		90116726 8/17 XEROX LEASE		250.55	18
		90116727 8/17 XEROX LEASE		550.03	18
		90116728 8/17 XEROX LEASE		1,237.98	18
		90116729 8/17 XEROX LEASE		348.45	18
		TOTAL	\$914,945.28		

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**SVCW WARRANT REGISTER**

SVCW Warrant Register dated August 11, 2017. A scanned copy was e-mailed to Commissioners on August 18, 2017.

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VALLEY OIL COMPANY (VEHICLE FU SUPPLIES	21180	465383B 6/19-6/29/17 FUEL CHARGES COMPANY VEHICLES	544.24	544.24	18
RODAN BUILDERS, INC CONSTRUCTION-CONTRACTOR	21181	FINPMTPO10673C FINAL PAYMENT - WET SIDE REDUNDANT POW	103,251.70	103,251.70	20
BANNER BANK CONSTRUCTION-CONTRACTOR	21182	FINPMTPO10673B FINAL ESCROW PAYMENT- WET SIDE REDUNDA	20,660.25	20,660.25	20
TOTAL			\$124,456.19		

*DB* 8/11/17  
*ml* 8/17/2017

8/11/17

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*J.T. Chao* 8-17-17

**SVCW WARRANT REGISTER**

SVCW Warrant Register for the period covering August 12, 2017 to August 25, 2017. A scanned copy was e-mailed to Commissioners on August 28, 2017.

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SILICON VALLEY CLEAN WATER  
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FUND RECAP

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NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	35,000.00
CAPITAL IMPROVEMENT FUND	14	21,717.65
OPERATION	18	282,211.53
RECYCLED WATER FUND	19	631.83
PLANT - CIP BOND	20	616,590.97
TOTAL FOR APPROVAL		\$956,151.98

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9903 THROUGH 9919 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21295 THROUGH 21393 INCLUSIVE, TOTALING IN THE AMOUNT OF \$956,151.98, HAVE BEEN CHECKED IN DETAIL AND APPROVED BY THE PROPER OFFICIALS, AND IN MY OPINION REPRESENT FAIR AND JUST CHARGES AGAINST THE AUTHORITY IN ACCORDANCE WITH THEIR RESPECTIVE AMOUNTS AS INDICATED THEREON.

RESPECTFULLY SUBMITTED,

  
.....  
DEPUTY TREASURER

8,23,17  
DATE

 8/25/2017

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ABEL PUMPS CORP	21295		1,624.77		
MISCELLANEOUS		411223TAX SALES TAX LIABILITY		-22.32	18
		411223 QTY 2 BLADDER DISCHARGE DAMPENERS		809.10	18
MACHINERY AND EQUIP MAINT MATE		411223 QTY 2 BLADDER DISCHARGE DAMPENERS		837.99	18
ACCURATE AIR ENGINEERING, INC.	21296		1,515.53		
MISCELLANEOUS		L069837 QTY 1 AIRSMART CONTROLLER W/LTUS & FSP HF616		1,515.53	18
ALHAMBRA & SIERRA SPRINGS	21297		96.67		
SUPPLIES		5056091080117 BOTTLED WATER SERVICE		96.67	18
ALPHA ANALYTICAL LABORATORIES	21298		2,871.25		
CONTRACT SERV. (NON-MAINT.)		7073014RPSVCW SAN CARLOS LAB ANALYSIS		190.00	18
		7073035RPSVCW RWC LAB ANALYSIS		190.00	18
		7073036RPSVCW RWC LAB ANALYSIS		190.00	18
		7073037RPSVCW SAN CARLOS LAB ANALYSIS		190.00	18
		7073038RPSVCW SAN CARLOS LAB ANALYSIS		190.00	18
		7073060RPSVCW PLANT PERMIT LAB ANALYSIS		105.00	18
		7073061RPSVCW SAN CARLOS LAB ANALYSIS		85.00	18
		7073569RPSVCW PLANT PERMIT LAB ANALYSIS		105.00	18
		7081672RPSVCW RWC LAB ANALYSIS		380.00	18
		7081920RPSVCW PLANT PERMIT LAB ANALYSIS		105.00	18
		7082453RPSVCW PLANT PERMIT LAB ANALYSIS		86.25	18
		7082454RPSVCW WBSD LAB ANALYSIS		155.00	18
		7082540RPSVCW RWC LAB ANALYSIS		590.00	18
		7082581RPSVCW RWC LAB ANALYSIS		155.00	18
		7082583RPSVCW WBSD LAB ANALYSIS		155.00	18
ANDREINI BROTHERS INC	21299		4,682.00		
CONSTRUCTION-CONTRACTOR		131155739 SMALL & LARGE POND WEED ABATEMENT		4,682.00	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
APPLEONE EMPLOYMENT SERVICES	21300		29,890.00		
ADMINISTRATIVE EXPENSES		1458588460458 PLACEMENT FEE FOR ADMIN ASSISTANT IN ENG		14,945.00	18
		1458609860531 PLACEMENT FEE FOR ADMIN ASSISTANT IN ENG		14,945.00	18
ASBURY ENVIRONMENTAL SERVICES	21301		120.00		
CONTRACT SERV. (NON-MAINT.)		I50000219856 USED OIL SERVICE CHARGE		120.00	18
AT&T	21302		330.66		
UTILITIES		807201701511 8/7-9/6/17 SCPS AT&T SERVICE		66.89	18
		807201715339 8/7-9/6/17 RWCPS AT&T SERVICE		98.44	18
		807201724836 8/7-9/6/17 MPPS AT&T SERVICE		98.44	18
		807201796059 8/7-9/6/17 BLPS AT&T SERVICE		66.89	18
BANK OF NEW YORK MELLON, THE	21303		250.00		
ADMINISTRATIVE EXPENSES		2522043287 8/8/17 TERMINATION FEE		250.00	18
BARKERBLUE	21304		219.60		
CONST.-ADMIN. & LEGAL		597195 SPEC'S/MASTER TO FILE (DFS) FOR THICKENING IMPR		184.60	20
		597196 ELECTRONIC BID PKG COMPILATION-THICKENING IMPRO		35.00	20
BAY AREA NEWS GROUP - EAST BAY	21305		140.61		
CONST.-ADMIN. & LEGAL		2059326 7/3/17 CLASSIFIED AD, SAN MATEO COUNTY TIMES		140.61	20
BAY CITY ELECTRIC WORKS	21306		55,982.00		
CONSTRUCTION-CONTRACTOR		JC108166 STARTUP SVCS FOR GENERATORS		55,982.00	20
BEECHER ENGINEERING	21307		2,460.00		
CONSTRUCTION-DESIGN		71747 6/26-7/24/17 T.O.2016-03 12KV PLANNING & CONSULT		1,230.00	20
		71747 6/26-7/24/17 T.O.2016-03 12KV PLANNING & CONSULT		1,230.00	20
BIG JOE HANDLING SYSTEMS	21308		210.44		
MACH & EQUIP MAINT SERVICES		449375 SCHEDULED MAINTENANCE OF LIFT TRUCK		210.44	18

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SILICON VALLEY CLEAN WATER  
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BUCKLES SMITH ELECTRIC COMPANY	21309		27,813.60		
CONSTRUCTION-CONTRACTOR		304859800 VARIOUS ELECTRICAL PARTS		5,655.21	20
MISCELLANEOUS		304859800 VARIOUS ELECTRICAL PARTS		2,827.61	18
CONSTRUCTION-CONTRACTOR		304874200 VARIOUS ELECTRICAL PARTS		172.65	20
		304874200 VARIOUS ELECTRICAL PARTS		203.48	20
		304874200 VARIOUS ELECTRICAL PARTS		5,161.93	20
		304874200 VARIOUS ELECTRICAL PARTS		4,281.05	20
		304874200 VARIOUS ELECTRICAL PARTS		2,558.06	20
		304874200 VARIOUS ELECTRICAL PARTS		919.63	20
		304874200 VARIOUS ELECTRICAL PARTS		650.97	20
		304874200 VARIOUS ELECTRICAL PARTS		2,827.61	20
		304874200 VARIOUS ELECTRICAL PARTS		434.27	20
		304874200 VARIOUS ELECTRICAL PARTS		1,083.48	20
		304874200 VARIOUS ELECTRICAL PARTS		54.96	20
		304874200 VARIOUS ELECTRICAL PARTS		599.00	20
		304874200 VARIOUS ELECTRICAL PARTS		249.45	20
		304874200 VARIOUS ELECTRICAL PARTS		134.24	20
C.W.E.A.	21310		352.00		
MEMB. & MEET.		8252017ID45852I CWEA ASSN MEMBERSHIP-RAJNESH KUMAR		180.00	18
		8252017ID64463I CWEA ASSN MEMBERSHIP-MORONI MAKASINI		172.00	18
CALIFORNIA DETAILERS, INC.	21311		550.00		
MACH & EQUIP MAINT SERVICES		44675 7/24/17 FLEET VEHICLE ON-SITE WASH		275.00	18
		44767 8/5/17 FLEET VEHICLE ON-SITE WASH		275.00	18
CALPERS - FISCAL SERVICES DIVI	21312		35,000.00		
RETIREE MEDICAL PAYMENTS		8252017 8/17 PREFUNDING OPEB		35,000.00	12
CALTEST ANALYTICAL LABORATORY	21313		836.10		
CONTRACT SERV. (NON-MAINT.)		575641 NPDES PERMIT LAB ANALYSIS		836.10	18

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CASCADE INTEGRATION & DEVELOPM CAPITAL	21314		12,710.00		
		1337 7/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT		2,468.75	14
		1337 7/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT		2,468.75	14
		1337 7/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT		2,468.75	14
		1337 7/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT		2,468.75	14
CONTRUCTION-DESIGN		1338 7/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION		945.00	20
		1338 7/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION		945.00	20
		1338 7/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION		945.00	20
CDW GOVERNMENT, INC. SUPPLIES	21315		5,422.59		
		JQR5534 QTY 1 DELL THUNDERBOLT DOCK TB16-240W		267.63	18
		JSW2051 QTY 2 MS SURFACE PRO I7 16GB 512 GB W10		4,523.13	18
MACHINERY AND EQUIP MAINT MATE		JVR6413 QTY 2 APC SMART UPS 750VA 120V LCD		631.83	19
CHIEN, HENRY SUPPLIES	21316		213.66		
		8252017 REIM-7/13/17 SAFETY SHOES		213.66	18
CINTAS CORPORATION SUPPLIES	21317		845.59		
		5008452545 8/8/17 SAFETY AND FIRST AID SUPPLIES		845.59	18
CINTAS CORPORATION NO. 3 SUPPLIES	21318		4,061.08		
		464776552 7/25/17 LAUNDRY SERVICE		1,366.59	18
		464779377 8/1/17 LAUNDRY SERVICE		906.22	18
		464782221 8/8/17 LAUNDRY SERVICE		826.21	18
		464785058 8/15/17 LAUNDRY SERVICE		962.06	18
COLE-FARMER INSTRUMENT CO LLC SUPPLIES	21319		462.56		
		1184305 QTY 5 TUBING MFLEX SILICONE #17 25 FEET		462.56	18
CONSOLIDATED PARTS INC. MACHINERY AND EQUIP MAINT MATE MISCELLANEOUS	21320		2,520.67		
		5039978 QTY 2 60A/3P HD NON-FUSIBLE SAFETY SWITCH		2,240.25	18
		5040977 QTY 1 OPTRMT-KIT 9000X KEYPAD MTG KT		280.42	18

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COUNTY OF SAN MATEO - AIRPORT CONST.-ADMIN. & LEGAL	21321	8252017 9/17 PERMIT#5384-LEASE PMT SAN CARLOS AIRPORT	97,300.00	97,300.00	20
CRYSTAL JANITORIAL SERVICE, IN CONTRACT SERV. (NON-MAINT.)	21322	29936 8/2017 JANITORIAL SERVICES	4,011.00	4,011.00	18
D.W. NICHOLSON CORPORATION CONSTRUCTION-CONTRACTOR	21323	1POM10856 6/15-7/30/17 PRG PMT#1 PUMP STATION VALVE RE 1POM10856 6/15-7/30/17 PRG PMT#1 PUMP STATION VALVE RE	10,912.65	5,456.33 5,456.32	14 14
DKF SOLUTIONS GROUP, LLC CONTRACT SERV. (NON-MAINT.)	21324	13241 8/2017 MY SAFETY OFFICER-MONTHLY SUBSCRIPTION FE	450.00	450.00	18
DMJ GAS MARKETING CONSULTANTS, UTILITIES	21325	20170107 7/17 COGEN GAS	2,873.10	2,873.10	18
EDGLEY, KIP D. CONSTRUCTION-DESIGN	21326	806SV1707 7/3-8/6/17 SERVICES INSIDE CA 806SV1707B 7/3-8/6/17 SERVICES OUTSIDE CA 806SV1707C REIM-7/3-8/6/17 TRAVEL EXPENSES 806SV1707D 7% NONRESIDENT WITHHOLDING	23,281.03	14,458.50 5,130.00 4,704.63 -1,012.10	20 20 20 20
ELANCO, INC. MISCELLANEOUS	21327	7736TAX SALES TAX LIABILITY 7736 QTY 1 ELANCO SPIRAL PLATE HEAT EXCHANGER	39,970.00	-3,497.38 43,467.38	18 18
EMD MILLIPORE CORPORATION MISCELLANEOUS	21328	3652076948 QTY 4 IODINE SOLUTION	178.25	178.25	18
EXOVA INC CONTRACT SERV. (NON-MAINT.)	21329	7052017PROFORMA LAB ANALYSIS FEE VOLATILE ORGANICS BY	375.00	375.00	18

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FASTENAL COMPANY	21330		3,820.48		
SUPPLIES		CASAA54046 VENDOR MANAGED RESTOCK		1,412.06	18
MISCELLANEOUS		CASAA54048 VENDOR MANAGED RESTOCK		72.65	18
SUPPLIES		CASAA54049 VENDOR MANAGED RESTOCK		929.01	18
MISCELLANEOUS		CASAA54119 VENDOR MANAGED RESTOCK		788.19	18
		CASAA54119 VENDOR MANAGED RESTOCK		618.57	18
FED EX	21331		70.66		
SUPPLIES		590262315 7/27-8/2/17 FED EX CHARGES		70.66	18
FIELDMAN, ROLAPP & ASSOCIATES	21332		321.76		
CONST.-ADMIN. & LEGAL		23340 7/5/17 PROFESSIONAL SERVICES-WIFIA LETTER OF INT		202.50	20
		23340B REIM-7/5/17 TRAVEL EXPENSE-WIFIA LETTER OF INTE		119.26	20
FINTA ENTERPRISES, INC	21333		1,308.06		
CONTRACT SERV. (NON-MAINT.)		53738 7/7/17 GRIT HAULING		1,270.00	18
		53738 7/7/17 GRIT HAULING		38.06	18
FISHER SCIENTIFIC COMPANY	21334		1,846.07		
SUPPLIES		4246417 LAB SUPPLIES		72.69	18
MACHINERY AND EQUIP MAINT MATE		8207249 LAB SUPPLIES		1,773.38	18
FONG, PETER	21335		214.89		
SUPPLIES		8252017 REIM-8/22/17 SAFETY SHOES		214.89	18
FREYER & LAURETA, INC	21336		27,646.21		
CONTRUCTION-DESIGN		17414 6/17 T.O.2017-02 PUMP STATION VALVE REPLACEMENT		465.00	14
		17414 6/17 T.O.2017-02 PUMP STATION VALVE REPLACEMENT		465.00	14
CONTRUCTION-DESIGN		17421 6/17 T.O.2017-03 GEOTECHNICAL SAMPLING & TESTING		6,679.05	20
		17421 6/17 T.O.2017-03 GEOTECHNICAL SAMPLING & TESTING		6,679.05	20
		17421 6/17 T.O.2017-03 GEOTECHNICAL SAMPLING & TESTING		6,679.05	20
		17421 6/17 T.O.2017-03 GEOTECHNICAL SAMPLING & TESTING		6,679.06	20

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GRAINGER	21337		5,789.47		
MACHINERY AND EQUIP MAINT MATE		9514964072 RESTOCK ITEMS		67.66	18
MISCELLANEOUS		9514964072 RESTOCK ITEMS		135.33	18
MACHINERY AND EQUIP MAINT MATE		9516010049 RESTOCK ITEMS		21.01	18
		9519983440 RESTOCK ITEMS		296.89	18
MISCELLANEOUS		9521831561 RESTOCK ITEMS		116.01	18
		9521831561 RESTOCK ITEMS		172.53	18
		9521831579 RESTOCK ITEMS		213.81	18
MACHINERY AND EQUIP MAINT MATE		9524462687 RESTOCK ITEMS		372.51	18
MISCELLANEOUS		9524462687 RESTOCK ITEMS		372.51	18
SUPPLIES		9527509310 RESTOCK ITEMS		151.14	18
		9529068794 RESTOCK ITEMS		46.63	18
		9529068794 RESTOCK ITEMS		48.47	18
MISCELLANEOUS		9530135459 RESTOCK ITEMS		14.37	18
MACHINERY AND EQUIP MAINT MATE		9530135459 RESTOCK ITEMS		10.51	18
		9530135459 RESTOCK ITEMS		25.43	18
		9530299974 RESTOCK ITEMS		3,617.30	18
		9530613083 RESTOCK ITEMS		22.49	18
		9530613083 RESTOCK ITEMS		16.62	18
		9530613083 RESTOCK ITEMS		10.35	18
		9530613083 RESTOCK ITEMS		28.49	18
		9530613083 RESTOCK ITEMS		29.41	18
GROENIGER & COMPANY INC	21338		44.94		
SUPPLIES		SC51224 7/2017 SERVICE CHARGE		44.94	18
GUZMAN, FRANCISCO	21339		240.33		
SUPPLIES		8252017 REIM-8/3/17 SAFETY SHOES		240.33	18
HANSEN, ERIC	21340		1,935.93		
CONF. & TRAV.		8252017 REIM-7/21-7/27/17 TRAVEL EXPENSES-IWA WATERUSE		1,935.93	18

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HANSON BRIDGETT LLP	21341		33,434.00		
CONST.-ADMIN. & LEGAL		1194787 6/17 T.O.2017-02 PUBLIC WORKS CONTRACTING & IN		7,722.00	20
		1194787 6/17 T.O.2017-02 PUBLIC WORKS CONTRACTING & IN		7,722.00	20
		1194787 6/17 T.O.2017-02 PUBLIC WORKS CONTRACTING & IN		7,722.00	20
		1194787 6/17 T.O.2017-02 PUBLIC WORKS CONTRACTING & IN		7,722.00	20
PROFESSIONAL SERVICES		1194787 6/17 T.O.2017-02 PUBLIC WORKS CONTRACTING & IN		2,546.00	18
HARRINGTON INDUST PLASTICS	21342		235.46		
MISCELLANEOUS		3K9121 PLUMBING SUPPLIES		96.30	18
		3K9121 PLUMBING SUPPLIES		46.37	18
MACHINERY AND EQUIP MAINT MATE		3L0239 PLUMBING SUPPLIES		92.79	18
HILTI, INC.	21343		209.19		
MISCELLANEOUS		4610011337 QTY 4 BOX CUT-OFF WHEELS 5" X .045" X 7/8"		104.59	18
MACHINERY AND EQUIP MAINT MATE		4610011337 QTY 4 BOX CUT-OFF WHEELS 5" X .045" X 7/8"		104.60	18
IDEXX DISTRIBUTION, INC	21344		353.25		
SUPPLIES		3019582954 QTY 2 CASES BOTTLE STERILE DISPOSABLE WITH		323.60	18
		3019862794 QTY 1 PRE-DISP QT 2000 COMPARATOR		29.65	18
INTERACTIVE HEALTH BENEFITS	21345		487.20		
PROFESSIONAL SERVICES		12183 2017 Q2 IRS REPORTING MAY-AUG 2017 1095C/1094C		487.20	18
JENTECH SERVICES	21346		7,216.20		
MACH & EQUIP MAINT SERVICES		2236 7/21-8/3/17 INSTRUMENT CALIBRATION		2,565.00	18
		2236 7/21-8/3/17 INSTRUMENT CALIBRATION		1,140.00	18
		2236 7/21-8/3/17 INSTRUMENT CALIBRATION		190.00	18
		2236 7/21-8/3/17 INSTRUMENT CALIBRATION		1,140.00	18
		2236 7/21-8/3/17 INSTRUMENT CALIBRATION		95.00	18
		2236 7/21-8/3/17 INSTRUMENT CALIBRATION		2,086.20	18

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JM SQUARED & ASSOCIATES, INC.	21347		2,575.20		
MISCELLANEOUS		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		43.50	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		43.50	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		2,074.95	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		43.50	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		60.90	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		195.75	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		69.60	18
		I177220 VARIOUS PARTS FOR FAIRBANKS MORSE		43.50	18
KEN GRADY COMPANY, INC	21348		2,071.44		
MACHINERY AND EQUIP MAINT MATE		1651A QTY 6 SENSOR, GAS PHASE, SULFITE		342.56	18
		1651A QTY 6 SENSOR, GAS PHASE, SULFITE		342.56	18
		1651A QTY 6 SENSOR, GAS PHASE, SULFITE		1,386.32	18
KENNEDY/JENKS CONSULTANTS, INC	21349		665.75		
CONTRUCTION-DESIGN		111516 THRU 4/28/17 T.O.2015-06 GRAVITY THICKENER MECH		665.75	20
LOCKSWORKS UNLIMITED	21350		440.02		
MACH & EQUIP MAINT SERVICES		I170818989 LOCKSMITH SERVICES AND PARTS		377.00	18
		I170818989 LOCKSMITH SERVICES AND PARTS		63.02	18
MADCO WELDING SUPPLY CO	21351		53.75		
RENTAL/LEASES		482 7/2017 CYLINDER RENTAL		53.75	18
MARINA MECHANICAL	21352		3,324.79		
MACH & EQUIP MAINT SERVICES		88710 7/5/17 DECANT PUMPING CONTROL PANEL		528.50	18
MISCELLANEOUS		88765 7/11/17 MAINTENANCE SOLID BLDG A/C		11.96	18
MACH & EQUIP MAINT SERVICES		88765 7/11/17 MAINTENANCE SOLID BLDG A/C		296.76	18
		88775 7/12/17 MAINTENANCE SERVICE R410A REFRIG		975.49	18
		88841 7/20/17 MAINTENANCE SERVICE CHILLER REFRIG		1,512.08	18



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MISSION COMMUNICATIONS, LLC	21353		8,310.15		
CONTRACT SERV. (NON-MAINT.)		1001537 2016 REMOTE TERMINAL UNIT ANNUAL SERVICE RENEW		3,943.80	18
		1007753 2017 REMOTE TERMINAL UNIT ANNUAL SERVICE RENEW		4,366.35	18
MOTION INDUSTRIES INC.	21354		132.72		
MISCELLANEOUS		CA24014262 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		45.28	18
		CA24014262 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		22.19	18
		CA24014262 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		22.19	18
		CA24014262 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		21.53	18
		CA24014262 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		21.53	18
OFFICE DEPOT	21355		99.15		
OFFICE SUPPLIES		949359640001 OFFICE SUPPLIES		99.15	18
OGASAWARA LANDSCAPE MAINTENANC	21356		165.00		
CONTRACT SERV. (NON-MAINT.)		24258 7/2017 MISC LANDSCAPING-BEDDING AT FRONT ENTRANC		165.00	18
OTIS ELEVATOR COMPANY	21357		5,138.49		
MACH & EQUIP MAINT SERVICES		SJ04029717 7/1/17-9/30/17 SERVICE CONTRACT CHARGES		5,138.49	18
PACIFIC GAS AND ELECTRIC COMPA	21358		5,177.61		
UTILITIES		815201723701 7/15-8/15/17 1400 RADIO RD PLANT GAS		3,950.59	18
		817201724970 7/12-8/10/17 GREENDALE GAS AND ELECTRIC S		1,227.02	18
PAUL AXIAQ	21359		222.42		
TRAINING		8252017 REIM-8/7-8/11/17 TRAVEL EXPENSES-ROCKWELL AUTO		222.42	18
PENINSULA BATTERY, INC.	21360		98.40		
MACHINERY AND EQUIP MAINT MATE		122242 QTY 4 12V 7AH SLA BATTERIES		4.00	18
		122242 QTY 4 12V 7AH SLA BATTERIES		94.40	18

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PETTY CASH - SILICON VALLEY CL	21361		772.45		
SUPPLIES		8252017 PETTY CASH DISBURSEMENTS		16.41	18
		8252017 PETTY CASH DISBURSEMENTS		53.12	18
		8252017 PETTY CASH DISBURSEMENTS		20.00	18
TRAINING		8252017 PETTY CASH DISBURSEMENTS		70.00	18
SUPPLIES		8252017 PETTY CASH DISBURSEMENTS		7.12	18
MACHINERY AND EQUIP MAINT MATE		8252017 PETTY CASH DISBURSEMENTS		80.30	18
TRAINING		8252017 PETTY CASH DISBURSEMENTS		280.00	18
MEMB. & MEET.		8252017 PETTY CASH DISBURSEMENTS		30.50	18
TRAINING		8252017 PETTY CASH DISBURSEMENTS		210.00	18
MEMB. & MEET.		8252017 PETTY CASH DISBURSEMENTS		5.00	18
POWER ENGINEERING CONSTRUCTION	21362		179,247.00		
CONSTRUCTION-CONTRACTOR		9POM10615 9/25/16-5/6/17 PRG PMT#9 BIOFORCE CONCRETE P		179,247.00	20
PSC INDUSTRIAL OUTSOURCING, LP	21363		2,067.53		
CONTRACT SERV. (NON-MAINT.)		1311172023 7/2017 RCPS MAPLE WET WELL		2,067.53	18
PURE TBC INDUSTRIAL WATER	21364		76.00		
MACH & EQUIP MAINT SERVICES		1574202 DI-WATER SYSTEM MAINTENANCE SERVICE		76.00	18
R & B COMPANY	21365		2,239.68		
MACHINERY AND EQUIP MAINT MATE		S1664125001 PLUMBING PARTS		94.18	18
MISCELLANEOUS		S1664125001 PLUMBING PARTS		234.14	18
MACHINERY AND EQUIP MAINT MATE		S1664592001 PLUMBING PARTS		157.20	18
		S1664592001 PLUMBING PARTS		232.53	18
		S1664592001 PLUMBING PARTS		837.11	18
		S1664592001 PLUMBING PARTS		418.27	18
		S1667921001 PLUMBING PARTS		21.20	18
		S1670024001 PLUMBING PARTS		12.98	18
		S1670024001 PLUMBING PARTS		15.94	18
		S1670024001 PLUMBING PARTS		216.13	18

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R-SQUARED ENGINEERING, INC.	21366		14,576.82		
MISCELLANEOUS		117509 VARIOUS GEARS AND JOINTS		404.01	18
		117509 VARIOUS GEARS AND JOINTS		5,322.32	18
		117509 VARIOUS GEARS AND JOINTS		8,019.81	18
		117509 VARIOUS GEARS AND JOINTS		830.68	18
RECOLOGY PENINSULA SERVICES	21367		592.00		
RENTAL/LEASES		64642 6/30/17 20 YD DEBRIS BOX		592.00	18
RED WING SHOE STORE	21368		849.80		
SUPPLIES		11152 6/9/17 SAFETY SHOES-RAYMOND WONG		226.45	18
		12152 6/2017 SAFETY SHOES-BERTOLUCCI, A; BRUBAKER, J;		623.35	18
REDWOOD CITY, CITY OF - FINANC	21369		11,498.16		
PROFESSIONAL SERVICES		BR45434 7/2017 ACCOUNTING SERVICES		11,498.16	18
RGM AND ASSOCIATES	21370		389.00		
CONTRUCTION-DESIGN		1290 7/15-7/29/17 T.O.2013-01 SOLIDS PROCESSING AUTOMA		129.66	20
CONST.-ADMIN. & LEGAL		1290 7/15-7/29/17 T.O.2013-01 SOLIDS PROCESSING AUTOMA		129.67	20
		1290 7/15-7/29/17 T.O.2013-01 SOLIDS PROCESSING AUTOMA		129.67	20
ROSEMOUNT INC.	21371		7,398.85		
MACHINERY AND EQUIP MAINT MATE		71134179 QTY 2 SCALABLE ADVANCED LEVEL TRANSMITTER		5,016.09	18
		71134179 QTY 2 SCALABLE ADVANCED LEVEL TRANSMITTER		2,382.76	18
ROYAL WHOLESALE ELECTRIC	21372		1,859.47		
MACHINERY AND EQUIP MAINT MATE		7003642979 FREIGHT CHARGE ON INV 7003642340 NOT BILLED		112.08	18
MISCELLANEOUS		7003644514 VARIOUS CONDUIT PARTS		452.29	18
		7003644514 VARIOUS CONDUIT PARTS		446.31	18
		7003645040 VARIOUS CONDUIT PARTS		842.81	18
SUPPLIES		841465 VARIOUS CONDUIT PARTS - SERVICE CHARGE PAST DUE		5.98	18

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RSCA	21373		655.00		
CONST.-ADMIN. & LEGAL		170811 8/3/17 FULL PAGE LEFT INTERIOR COLOR AD		655.00	20
SANDUL, DUANE	21374		3,660.00		
CONTRUCTION-DESIGN		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		39.20	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		107.80	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		235.20	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		117.60	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		19.60	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		107.80	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		1,078.00	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		78.40	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		39.20	20
		19B 7/17 T.O.2016-01 PUBLIC INFO SUPPORT SVCS-CONVEYAN		137.20	20
PROFESSIONAL SERVICES		6SVCW2017 8/2017 PROFESSIONAL SERVICES		1,700.00	18
SILICON VALLEY CLEAN WATER (EE SUPPLIES	21375		100.00		
		8252017 9/17 COMPENSATION-EMPLOYEE ANNIVERSARY		100.00	18
SUNSTATE EQUIPMENT CO. CONSTRUCTION-CONTRACTOR	21376		1,340.35		
		7079268001 7/14-7/20/17 RENTAL- LIGHT-1000 WATT 12' PO		190.26	20
		7079270001 7/14-7/20/17 RENTAL/ENVIRO CHRGE-LIGHT-1500		239.05	20
		7079273001 7/14-7/20/17 RENTAL- LIGHT-1000 WATT 12' PO		190.26	20
		7079274001 7/14-7/20/17 RENTAL - LIGHT-1000 WATT 12' P		190.26	20
		7079280001 7/14-7/20/17 RENTAL/DELIV CHRGE-LIGHT-1000 W		340.26	20
		7079283001 7/14-7/20/17 RENTAL- LIGHT-1000 WATT 12' PO		190.26	20
SYNAGRO TECHNOLOGIES INC CONTRACT SERV. (NON-MAINT.)	21377		12,671.57		
		3102970 7/17 BIOSOLIDS HAULING		12,671.57	18

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SILICON VALLEY CLEAN WATER  
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TANNER PACIFIC, INC.	21378		98,021.00		
CONSTRUCTION-CONTRACTOR		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		17,458.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		11,482.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		250.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		392.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		500.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		1,592.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		8,260.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		1,880.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		12,790.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		1,740.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		2,150.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		1,050.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		800.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		976.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		292.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		11,104.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		201.00	20
		217067 7/30-8/12/17 T.O.2017-06 CONSTRUCTION MGMT VARI		25,104.00	20
TELEPACIFIC COMMUNICATIONS	21379		10,094.01		
UTILITIES		938991190 8/9-9/8/17 TELEPACIFIC SERVICES		10,094.01	18
THATCHER COMPANY OF CALIFORNIA	21380		24,112.92		
CHEMICAL SUPPLIES		245172 7/21/17 44640 LB TRIOXYN		7,809.07	18
		245343 7/31/17 46500 LB TRIOXYN		8,134.43	18
		245355 7/14/17 46700 LBS TRIOXYN		8,169.42	18
THE FERGUSON GROUP LLC	21381		4,453.52		
CONSTRUCTION-DESIGN		617567 6/17 PROF CONSULTING SVCS - CIP FIN ASSISTANCE		4,353.50	20
		617567B REIM-4/17-6/17 TELEPHONE/TRAVEL EXPENSES		100.02	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TSUKUSHI, RICHARD	21382		214.00		
MACH & EQUIP MAINT SERVICES		5519 8/15/17 MENLO PARK BACKFLOW SERVICE		214.00	18
UNITED RENTALS NORTHWEST, INC.	21383		1,101.56		
RENTAL/LEASES		148448903001 7/18-7/20/17 RENTAL BOOM 40-46' ARTICULAT		1,101.56	18
UNIVAR USA INC.	21384		17,805.39		
CHEMICAL SUPPLIES		SJ828584 7/24/17 4029 GAL SOD HYPO		2,138.19	18
		SJ830221 7/29/17 4496 GAL SOD HYPO		2,386.03	18
		SJ830468 8/2/17 4500 GAL SOD HYPO		2,388.15	18
		SJ831269 8/6/17 4441 GAL SOD HYPO		2,356.84	18
		SJ831991 8/9/17 4497 GAL SOD HYPO		2,386.56	18
		SJ832884 8/14/17 4349.8647 GAL SOD BISULFITE		6,149.62	18
US POSTAL SERVICE (POSTAGE-BY- OFFICE SUPPLIES	21385		350.00		
		8252017 POSTAGE REFILL-A/C 18400358		350.00	18
USA BLUE BOOK	21386		418.33		
MISCELLANEOUS		331190 QTY 3 CORE PRO SR 15' SAMPLER 3 SECTIONS		418.33	18
VALLEY OIL COMPANY (VEHICLE FU SUPPLIES	21387		524.19		
		469691 7/14-7/31/17 FUEL CHARGES COMPANY VEHICLES		524.19	18
VAPEX ENVIRONMENTAL TECHNOLOGI MISCELLANEOUS	21388		2,681.75		
		V001062IN QTY 1 MAINTENANCE KIT PLC W/SMC WITH ADDED T		2,681.75	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VWR INTERNATIONAL, LLC	21389		1,814.62		
SUPPLIES		8049326275 LAB SUPPLIES		79.87	18
		8049326275 LAB SUPPLIES		79.87	18
		8049326275 LAB SUPPLIES		79.87	18
		8049402451 LAB SUPPLIES		39.93	18
		8049402451 LAB SUPPLIES		39.93	18
MISCELLANEOUS		8049436769 LAB SUPPLIES		456.75	18
SUPPLIES		8049498662 LAB SUPPLIES		1,038.40	18
WELLS FARGO INSURANCE SERVICES	21390		50,000.00		
CONST.-ADMIN. & LEGAL		33955799 7/31/17-7/31/18 SERVICE FEE, CIP#9159		50,000.00	20
WESTERN ENERGY SYSTEMS	21391		4,624.79		
MISCELLANEOUS		3771870 QTY 2 SWITCH, VIBRATION MONITOR, JENBACHER		4,159.85	18
MACHINERY AND EQUIP MAINT MATE		3775240 QTY 1 TERMINAL, QTY 1 ANALOG INPUT, JENBACHER		9.96	18
		3775240 QTY 1 TERMINAL, QTY 1 ANALOG INPUT, JENBACHER		454.98	18
WESTERN STATES OIL	21392		5,713.67		
SUPPLIES		307023 QTY 330 SHELL MYSELLA S3 N 40W		5,713.67	18
WRA ENVIRONMENTAL CONSULTANTS	21393		10,047.15		
CONTRUCTION-DESIGN		201712130080 6/17 T.O.2017-01 FEASIBILITY INVESTIGATIO		10,047.15	20
		TOTAL		\$956,151.98	

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**SVCW WARRANT REGISTER**

SVCW Warrant Register dated September 1, 2017 for Retiree Health. A scanned copy was e-mailed to Commissioners on August 28, 2017.



09-01-17

SILICON VALLEY CLEAN WATER  
WARRANT REGISTER  
FUND RECAP

PAGE 9902

NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	21,508.39
TOTAL FOR APPROVAL		\$21,508.39

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9898 THROUGH 9902 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21259 THROUGH 21294 INCLUSIVE, TOTALING IN THE AMOUNT OF \$21,508.39, HAVE BEEN CHECKED IN DETAIL AND APPROVED BY THE PROPER OFFICIALS, AND IN MY OPINION REPRESENT FAIR AND JUST CHARGES AGAINST THE AUTHORITY IN ACCORDANCE WITH THEIR RESPECTIVE AMOUNTS AS INDICATED THEREON.

RESPECTFULLY SUBMITTED,

  
.....  
DEPUTY TREASURER

8/23/17  
DATE

 8/25/2017

9/1/2017 (Retiree Health)

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At 8/25/17

SILICON VALLEY CLEAN WATER  
W A R R A N T R E G I S T E R  
09/01/17

PAGE 9898

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FLAHERTY, LISA M.	21259		788.74		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		788.74	12
LEACH, PRESTON L.	21260		172.48		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
REEVES, DENNIS D.	21261		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
REYES, CESAR V.	21262		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SCHIECHL, WARREN	21263		196.21		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		196.21	12
WALSH, WALTER	21264		196.21		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		196.21	12
WIDGER, RICHARD	21265		1,338.78		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
BAKER, ANDREW	21266		1,223.22		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		1,223.22	12
BEWLEY, JAMES B.	21267		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
BOVE, LEONARD F.	21268		605.39		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
BUENROSTRO, BENJAMIN	21269		1,338.78		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BUSCH, JOSEPH A. RETIREE MEDICAL PAYMENTS	21270	917 09/17 RETIREE HEALTH PREMIUM REFUND	172.48	172.48	12
CHAPMAN, ROBERT G RETIREE MEDICAL PAYMENTS	21271	917 09/17 RETIREE HEALTH PREMIUM REFUND	905.87	905.87	12
DIAZ, CLARA L. RETIREE MEDICAL PAYMENTS	21272	917 09/17 RETIREE HEALTH PREMIUM REFUND	261.76	261.76	12
DONALDSON, ROBERT M. RETIREE MEDICAL PAYMENTS	21273	917 09/17 RETIREE HEALTH PREMIUM REFUND	605.39	605.39	12
FAZIO, MICHAEL RETIREE MEDICAL PAYMENTS	21274	917 09/17 RETIREE HEALTH PREMIUM REFUND	172.48	172.48	12
FORD, LARENCE RETIREE MEDICAL PAYMENTS	21275	917 09/17 RETIREE HEALTH PREMIUM REFUND	472.96	472.96	12
GERKE, FRED RETIREE MEDICAL PAYMENTS	21276	917 09/17 RETIREE HEALTH PREMIUM REFUND	605.39	605.39	12
GROSSO, LORNA RETIREE MEDICAL PAYMENTS	21277	917 09/17 RETIREE HEALTH PREMIUM REFUND	172.48	172.48	12
HALL, DAVID A. RETIREE MEDICAL PAYMENTS	21278	917 09/17 RETIREE HEALTH PREMIUM REFUND	1,778.81	1,778.81	12
HERNANDEZ, JOHN M. RETIREE MEDICAL PAYMENTS	21279	917 09/17 RETIREE HEALTH PREMIUM REFUND	472.96	472.96	12
JONES, REGGIE H. RETIREE MEDICAL PAYMENTS	21280	917 09/17 RETIREE HEALTH PREMIUM REFUND	196.21	196.21	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
KAUFMAN, KENNETH J	21281		172.48		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KELLY, DIANE L.	21282		579.26		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
KERTZ, FELIX J.	21283		172.48		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KLOKKE, KARL W.	21284		579.26		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
MA, PO KUI	21285		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
MURRAY, GENE RODGER	21286		901.24		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		901.24	12
POSCH, MICHAEL A.	21287		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SMITH, JULIE	21288		1,338.78		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
SMITH, RAYMOND C.	21289		520.42		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		520.42	12
STORMS, VERNON GARY	21290		772.02		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		772.02	12
SUTER, KATHERINE J.	21291		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TAYLOR, TERRY M.	21292		905.87		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
VON SEEBACH, NANCY	21293		579.26		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
WOODSTOCK, CRAIG M.	21294		472.96		
RETIREE MEDICAL PAYMENTS		917 09/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
TOTAL				\$21,508.39	

**DUAL MEDIA FILTERS A1 – A5 COATING PROJECT (CIP #'s 9014, 9222, 9226)  
FINAL PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of Dual Media Filters A1-A5 Coating Project and Authorization to File Notice of Completion.

BACKGROUND

The Dual Media Filters (DMF) process provides filtration of the secondary effluent, removing very small solids from the flow stream in advance of discharge to San Francisco Bay and recycled water production. Each filter has two bays, called the “A-Side” and the “B-Side”.

During rain events, all filters are used to their highest capacity. When the filters become full of solids, they go out of service and into backwash mode; when the filters are in backwash mode, the overall system capacity is significantly reduced. SVCW is required to filter flow that is discharged to the Bay under the Authority’s NPDES permit with limited exception. Recycled Water production requires all flow to be filtered prior to disinfection and distribution.

Between 2007 and 2013, modifications and repairs were made to the DMF B-Side filters as part of Stage 2 Capital Project #095. Goals of that project included performance improvements, expanding capacity of the filters under both wet weather flow and recycled water production, extending the useful life of the filters, and replacing aging mechanical equipment. During construction, it was found that the original coatings were completely absent and the concrete was severely corroded. A contract change order was issued for the B-Side filters to repair and recoat the filter concrete structure. The historical operation conditions of the B-Side and A-Side filters are similar and the concrete conditions thus were expected to be similar.

DISCUSSION

Because the expectation that the A-Side filters’ concrete condition would be similar to the B-Side filters, SVCW contracted with Kennedy Jenks Engineering to prepare design documents for rehabilitation of the A-Side filters. The project scope included removal and cleaning of the existing filter media, media and tank inspection, cleaning, repair, and coating of the existing concrete, and adding new media to replace existing media lost during normal operation.

Bids were open on August 5, 2014. ERS was the sole bidder with a bid amount of \$886,575. The construction contract was awarded to ERS in August 2014. Work has been ongoing for the project since the Notice to Proceed was issued in September 2014. Throughout the duration of the project, three notable contract change orders were added to the project, as described below.

The first contract change order was build out of DMF 6A and 6B. As part of the original facility construction in 1982, the concrete structures for DMF 6A and 6B were built but

not finished to a functional state. With the increasing demand for facility capacity specifically related to wet weather conditions, the need to build out these filters became necessary. Given the similar work needed to complete DMFs 6A and 6B, SVCW Engineering staff requested ERS to provide a quotation for a contract change order to complete the identified work. The cost to complete the work was substantially less than the engineering estimate for the work (approximately \$4 million) due to the elimination of some final design tasks, bidding, mobilization and other costs related to project development.

In May 2015, the Commission authorized Construction Contract Change Order for Dual Media Filters 6A and 6B in the amount of \$1,635,961. The work was funded from CIP Project #9222 (DMF 6A and 6B project).

The second contract change order was to construct DMF valve access platforms. There are 34 automated valves located in the DMF Gallery approximately 20 feet above floor level. Each time SVCW maintenance staff needs to perform maintenance on the valves, either temporary scaffolding was erected by scaffolding vendors or maintenance personnel had to “shimmy” across the pipes to reach the valves. Even with scaffolding in place, the valves were difficult to reach, creating a highly challenging working environment, and though all safety procedures are followed, the “shimmy” process is very risky and is avoided unless there is no other way.

Structural plans were prepared for platforms to provide safe access to each DMF valve. Since ERS was performing work on the DMF 6A and 6B installation project, including installation of valves, piping, and associated pipe supports in the DMF Gallery, staff recommended that the work be done via a change order to the ERS contract. In September 2015, the Commission authorized Construction Contract Change Order for DMF valve access platforms in the amount of \$252,687. The work was funded from CIP Projects #9226 (DMF Access Platforms project) and #9222.

There were nine additional change orders that were authorized to ERS for a total amount of \$104,030. These included items such as grating and crack repairs, pipe supports, trough removal, and valve vault supports. In total, the authorized contract change order total was \$1,992,678. After negotiations with ERS for final change order work, the amount came in at \$1,972,030 or \$20,648 below the authorized amount. The final construction contract amount is \$2,858,605.

Substantial Completion was achieved and the certificate was issued April 14, 2017 (attached). The quality of work by the Contractor on the project is excellent and the new facilities are in operation. Staff recommends the project be accepted and Notice of Completion for the project issued.

#### FINACIAL IMPACT

Dual Media Filters A1 – A5 Project is funded from three CIP Projects: 9014 – Process Tanks Concrete and Steel Protective Coating Replacement, 9222 – Dual Media Filters, and 9226 – DMF Platforms. The 2015 CIP Update allocates \$7,370,250 for the three

projects. The total DMF project construction cost is \$2,858,605. The total project capital expenditures as of May 31, 2017, is \$4,502,150 (CIP project #9014, Concrete and Steel Protective Coatings project had other unrelated construction activity performed over the past eight years separate from this DMF project; this is the reason why the capital cost is \$1.64 million higher than this DMF project's construction cost).

RECOMMENDATION

Move approval to ACCEPT DUAL MEDIA FILTER A1 – A5 COATING PROJECT (CIP #'s 9014, 9222, and 9226) AND AUTHORIZE FILING NOTICE OF COMPLETION – ERS INDUSTRIAL SERVICES



**Silicon Valley Clean Water  
Dual Media Filter A1 Through A5 Coating Project  
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of the Dual Media Filter A1 Through A5 Coating Project are accepted as Substantially Complete in accordance with Specification Section 01000-1.4 and as defined herein.

As of April 14, 2017, these portions of the Project are accepted:

1. All work on the Project except as noted below:
  - a. All work on the attached Punch List, dated April 26, 2017.

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

1. Authority:
  - a. The Authority assumes responsibility for security, maintenance (except as noted below), heat, utilities, damage to the Work (except as caused by the Contractor's actions) and insurance for the facilities.
2. ERS Industrial Services Inc.:
  - a. The Contractor shall maintain and provide proof of insurance as required by Specification Section 00800-4.0 for all work required to complete the Punch List and for one (1) year as required by Specification Section 00500-12 or as otherwise referenced in the technical specifications.
  - b. The Contractor shall be responsible for repairs or maintenance, as necessary, until the Contractor has submitted, and the Authority has accepted all Record Documents and Operation & Maintenance Manuals.
  - c. The Contractor shall work in an expeditious manner to complete the remaining work and administrative requirements on the Project including the items on the Punch List, dated April 26, 2017, within sixty (60) days from the date of this certificate.

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents. The one year (365 Calendar Days) warranty for the accepted Work shall commence per Specification Section 00500-12 on the date of Acceptance by Silicon Valley Clean Water.

The undersigned hereby acknowledge agreement to the above provisions:

Contractor: ERS Industrial Services Inc.

Construction Manager: Tanner Pacific, Inc.

By: \_\_\_\_\_

Nicholas Radonich

By: \_\_\_\_\_

William Tanner, P.E.

Title: Project Manager

Title: Construction Manager

Date: \_\_\_\_\_

4/28/17

Date: \_\_\_\_\_

4/28/17

**THICKENING IMPROVEMENTS – PHASE 1 (CIP #9168)  
AWARD OF CONSTRUCTION CONTRACT**

ISSUE

Award of Construction Contract for Thickening Improvements Phase 1 Project Installation of Two Rotary Drum Thickeners (CIP #9168).

BACKGROUND

SVCW is currently engaged in a multi-year CIP to address aging systems to improve reliability of the treatment works and conveyance system facilities. Thus far, many treatment processes have been upgraded but there are several processes yet to be rehabilitated.

The original SVCW treatment process included four gravity thickeners (GT). The Gravity Thickeners received de-gritted primary sludge and waste activated sludge and thickened both sludge streams to 3-5% solids for feeding into the anaerobic digesters. It is uncommon to thicken both primary and waste activated sludge together; typically these disparate solids' streams are thickened separately. However, since the GTs were part of the original plant design and had been operating nearly continuously since Plant commissioning over 35 years ago, SVCW operators have made process adjustments to facilitate the combined solids and make the GTs work.

Two years ago, two of the four GTs failed; the mechanisms inside the tanks broke and the cost to fix them was deemed to be too high when compared to other, newer and more efficient technologies. Under the then ongoing Solids Process Automation project, upgrades to the GTs were slated to take place but, instead, a contract change order was issued to the contractor to purchase and install two Gravity Belt Thickeners (GBTs) to replace the two GTs that had failed. The value of using GBTs is the ability to separate primary sludge from waste activated sludge, an operational mode that greatly enhances the efficiency of thickening and lowers overall cost of operation.

Since 2016, SVCW has been using only one GT for thickening primary sludge during normal operation with the second GT as standby. Maintenance staff has been keeping the GTs operational as best possible, even though the equipment serving the tanks requires high levels of monitoring and mechanical repairs. In February 2017, the active tank's gear drive broke a shaft; a complete failure of the drive. When staff attempted to put the standby GT into service, the sweeper arm broke and fell onto the floor of the tank. This presented an emergency situation and staff responded immediately to remedy the issues. Maintenance staff was able to make temporary repairs and 2 days later, one of the tanks was able to be brought back online; the other tank's mechanism is irreparable unless significant dollars are spent.

DISCUSSION

Engineering and Operating staff underwent an evaluation of alternatives to either repair or replace the GTs. GT technology is old and the maintenance of the units is extremely challenging and dangerous. Also, the cost to repair the GTs is near equivalent to newer

technology. One of factors in the evaluation is the ability to separate primary sludge from waste activated sludge. Technologies considered were gravity thickeners (repair existing), Gravity Belt Thickeners (match new units installed in 2015), or Rotary Drum Thickeners. Gravity Belt Thickeners was eliminated early as these are not suitable for thickening SVCW's primary sludge. Consideration of Rotary Drum Thickener (RDT) technology was introduced as an alternative to the GTs as the capital costs associated with a project to update and rebuild the two existing gravity thickeners is nearly equivalent to the cost of RDT technology. There is a large advantage to RDTs in that waste activated sludge can be separated from primary sludge with the latter sent to the RDTs and the former sent to the gravity belt thickeners installed two years ago.

In 2016, prior to the last two GTs failing, staff ran a successful pilot study of RDT technology to prove that they would work in SVCW's treatment environment with primary sludge. The RDT provided thickening of primary sludge in excess of the pilot test target solids concentrations of 6%, with very low energy use and efficient use of polymer. Also, foul air that emanates from the primary sludge is completely contained within the cylindrical enclosure that surrounds the RDT.

Due to long lead-time for delivery of RDT (ranging from 16 to 20 weeks), staff recommended and the Commission approved, pre-purchasing two new RDTs in March 2017 while preparing design documents in parallel for installation of the units when they arrive.

The installation project design was completed by Kennedy Jenks Consultants in late July and the construction contract was publicly advertised on Tuesday, August 8, 2017. Bids were due on Wednesday, September 6, 2017 and two proposals were received. The bid summary is attached. C. Overaa & Co. is the lowest responsible bid in the amount of \$995,000; staff recommends awarding the procurement contract to C. Overaa & Co.

#### FINANCIAL IMPACT

Work described for this project is funded through CIP #9168, Thickening Improvements – Phase 1. The 2015 CIP Update anticipated that two operational Gravity Thickeners, #2 and #3, would be refurbished and funds were allocated for the refurbishment in the amount of \$1,448,690. As of the end of July, \$343,394 has been expended. CIP #9168 will be allocated for RDTs to be used for thickening in lieu of gravity thickeners. The anticipated total cost for purchase, engineering services and installation of new RDTs is \$1.4 Million.

#### RECOMMENDATION

Move adoption of RESOLUTION ACCEPTING CONTRACT DOCUMENTS AND ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER FOR THICKENING UPGRADE PHASE 1 (CIP #9168); REJECTING ALL OTHER BIDS, AUTHORIZING EXECUTION OF AGREEMENT FOR SAID WORK, DIRECTING RETURN OF SECURITY DEPOSITS THEREFORE, AND AUTHORIZE MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT (\$995,000) – C. OVERAA & CO.

**SVCW**  
**Thickening Improvements Project - CIP #9168**  
**Bidders Checklist**  
**September 6, 2017**

Name of Bidder		Addendum		Proposal		Cert. of Bidders Exp. & Qualifications		Desig. of Subcontractors		Site Visit Affidavit		Ackw. of Insurance Red's.		Noncollusion Affidavit		Affidavit of Safety Compliance		Westech Submittal Acknowledgement		Total Bid Amt.	
		#1	Section	00300	Section	00410	Section	00420	Section	00430	Section	00440	Section	00470	Section	00480	Section	00490	Appendix	6	
1	* C. Overaa & Co.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\$995,000	
2	D. W. Nicholson	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	\$1,212,000	
3																					
4																					
5																					
*Apparent lowest bidder pending Commission approval. Next Commission meeting is scheduled for Thursday, September 14, 2017.																					

**SOLIDS HANDLING BUILDING HVAC DUCT REPAIR  
AWARD CONSTRUCTION CONTRACT**

**ISSUE**

Award of Construction Contract for Solids Handling Building HVAC Duct Repair Project (CIP #9169).

**BACKGROUND**

In September 2011, the Commission authorized design of a project that improved the ventilation in the major indoor process areas of the plant (Main Plant Gallery and Solids Handling Building HVAC Improvements and Structural Rehabilitation Project). The project included HVAC work, structural improvements to the Solids Handling Building (SHB) and replacement of the SHB roof. The ventilation aspects of the project greatly improved the amount of airflow throughout the facilities, improving working conditions, and avoiding the buildup of potentially dangerous compounds (such as chlorine fumes and hydrogen sulfide gas) in work areas.

The project was designed by Brown and Caldwell and constructed by Rodan Builders, Inc., with the HVAC work performed by a subcontractor, Blocka Construction. The project was completed and accepted in November 2014.

The SHB is a very large building, and improving air flow throughout the building required installation of a very large air supply fan on the building roof to provide the majority of the air. The air is then distributed throughout the building through a series of large ducts. Each of the main rooms of the building have exhaust fans to sweep the incoming air outside.

In 2015, vibration in the ducting was detected by maintenance staff, and SVCW engineering and maintenance staff concluded that the vibration may be caused by a louver that needed adjustment. The louver was in an inaccessible location, and a bridge was designed and built to provide access to the location. Adjusting the louver did not resolve the problem and troubleshooting continued with assistance from the designer (Brown and Caldwell) and the contractor (Rodan Builders).

Brown and Caldwell determined the root cause of the vibration was that the air had to go through too many 90 degree turns in the early stages of ducting. They provided a recommendation to close off a louver. This solution seemed to address the problem.

In September 2016, vibration was detected again, and it appeared as if a damper was broken. The designer and contractor were engaged again in providing potential fixes. While the solution to the problem was being investigated, the main supply duct continued to deteriorate. Due to the excessive vibration, a potential safety hazard was created because metal from the failing ductwork could fall on personnel. As a result of the safety hazard, the main supply fan was turned off. The exhaust fans remained on to promote air flow, and O&M procedures were established for testing the air quality before working in rooms that may have hazardous conditions.

## DISCUSSION

Brown and Caldwell provided drawings and equipment recommendations to change the duct configuration and resolve the vibration issues. Both Brown and Caldwell and SVCW's construction management firm, Tanner Pacific, developed cost estimates to construct the project. Both estimated costs below \$100,000. The drawings and equipment specifications were provided to three contractors for quotation. Two contractors declined to provide quotes. The lone quote was provided by Blocka Construction for \$193,500.

Blocka Construction provided detailed information about their quote. A significant reason for the difference between the quote and the engineers' estimates was that there are a number of specialty pieces of ductwork included in the project, which are difficult to estimate in advance. Additionally, Blocka Construction believes more labor will be needed than Brown and Caldwell and Tanner Pacific had estimated.

Based on the high cost of the quote, SVCW staff considered rejecting the quote, and publicly advertising the project in order to attract more bidders. SVCW staff determined that the public interest would not be served by formally re-bidding the project. There were several reasons for this decision. SVCW's original cost estimate was reasonable as a basis for the decision to solicit three quotes rather than bid the project. Based on interaction with the sole responsive bidder, SVCW does not expect that bidding the project would necessarily result in a lower bid. Additionally, in order to publicly bid the project, the drawings and specifications would need to be revised significantly, adding time and cost, potentially significant, to the project.

Due to the safety hazards associated with the project, it is in the best interest to award the project and begin construction as soon as possible.

## FINANCIAL IMPACT

The design for this repair effort was completed without charge by Brown and Caldwell. Construction of the project will be charged to CIP project #9169 (Dewatering and Solids Handling Improvements - Phase II), which has a total budget of \$1,443,215. To date, \$219,271 has been expended from this project.

## RECOMMENDATION

- i. Move approval to SUSPEND COMPETITIVE BIDDING REQUIREMENTS FOR SOLIDS HANDLING BUILDING HVAC DUCT REPAIR PROJECT (CIP #9169) ON THE GROUNDS THAT THE PUBLIC INTEREST WOULD NOT BE SERVED BY STRICT COMPLIANCE WITH SAID REQUIREMENTS (5/7<sup>th</sup> WEIGHTED VOTE COUNT REQUIRED)
- ii. Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR THE SOLIDS HANDLING BUILDING HVAC DUCT REPAIR PROJECT (CIP #9169), ACCEPTING BID AND AUTHORIZING EXECUTION OF AGREEMENT, AND AUTHORIZING MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT VALUE FOR SAID PROJECT (\$193,500) – BLOCKA CONSTRUCTION

**DECLARATION OF EMERGENCY  
AND AUTHORIZE EXPENDITURE OF FUNDS FOR FORCE MAIN REPAIR**

ISSUE

Ratification of Manager's Declaration of Existence of an Emergency Condition and Approving Repair of Essential Facilities.

BACKGROUND

SVCW treats wastewater for approximately a quarter million people in its service area. The Member Agencies of SVCW are the cities of Redwood City, Belmont, and San Carlos, and the West Bay Sanitary District. In order to operate the facilities needed to convey, treat and discharge the wastewater, SVCW contracts with Pacific Gas and Electric (PG&E) for electrical power. In addition to PG&E power, SVCW also co-generates electricity through the utilization of digester gas produced at the treatment plant.

Recently a threat to the PG&E power supply was identified and the SVCW Manager declared an Emergency Condition to facilitate the immediate correction of the situation.

DISCUSSION

SVCW receives electrical service from PG&E near the front gate of the treatment plant. From there, power cables run through the plant tunnels in conduits, across the roadway to the Solid Handling Building (SHB) where large transformers are located to reduce the voltage from 12,000 volts to the 480 volts (or less) that is required to operate the plant equipment. Due to the continued settling of SVCW facilities located in Young Bay Mud and not supported by "pile", the transition from the tunnels to the SHB has settled. As part of some recent work to repair asphalt around the facility, it was determined a pull-box located in this area needed to be raised. As the contractor started the work, it was discovered that the box had been built in a way that allowed it to settle on one end, but not the other – one side is actually resting on the top of the tunnel while the rest of the box (approximately 10' long by 6' wide and 6' deep) is unsupported and has settled more than a foot.

The settling has resulted in the severing of several large conduits and the sides of the pull-box have broken into pieces. It appears at this time that there is the potential for the broken conduit to cut the active 12,000 volt power lines. If one or more of the lines should fail, the plant would be out of power until a fix was found and implemented. The loss of power is not acceptable as we could lose our ability to treat the wastewater and pump it to the bay.

SVCW has standby power generation capabilities with diesel powered generators for short-term emergency needs that would power the facility, but would create a situation with no redundant power in the case of a mechanical or electrical failure of the standby generation system. In addition, due to the power generation agreement with PG&E, the loss of the PG&E feed would also shut down the co-generation system, a situation

which would put more load on the standby generators. While the standby system could get us through a couple of day's operation, it is truly designed for short term outages associated with storms and other power outages.

Given the challenges identified above, if a catastrophic break should occur the required costs and potential disruption of service to fix the PG&E 12 KVA power feed to the treatment plant in a crisis situation, or if it should occur during a wet weather event, would be extremely large. The risk of fines due to preventable Sanitary Sewer Overflow (SSO) or the inability to treat the wastewater is probable and could be millions of additional dollars.

In order to promptly address the potential loss of power, staff contacted Power Engineering Contractors (Power), a contractor on site and familiar with this area due to their recent work on the outfall line. Power has the expertise and ability to engineer and construct a long-term solution to this situation. An Emergency Condition was declared by the SVCW Manager on August 30, 2017 due to the considerable risk to the safety and health of the public in the event of a failure of the 12 KVA power lines authorizing Power Engineering Contractors, Inc. to proceed with investigation, engineering and repair of the settling conduit and related items. Power has begun the process to identify exactly what and how to address the situation, however, it is anticipated it could take multiple weeks to excavate and support the existing conduit to be able to investigate, identify, design and implement the proper repair. At this time, the long-term solution is not known and investigation of solutions is underway. The cost and time needed to complete the work is not yet known. SVCW engineering staff will be working with Power to implement the repair and will provide routine updates to the Commission as the solutions are developed.

#### FINANCIAL IMPACT

The SVCW Manager is empowered by the SVCW Joint Powers Agreement to authorize up to Three Hundred Thousand Dollars (\$300,000) for work in emergency conditions to develop solutions and make repairs as needed. The cost for repairs of the 12KVA feed line is not known at this time. If cost related to the work are estimated to exceed or approach \$300,000, the Commission will be notified and authorization for additional funds will be requested prior to the expenditure of said funds.

This work is not budgeted as part of any CIP project or in the FY 2017-2018 Operations Budget. The SVCW Operations Emergency Reserve Fund will provide temporary funding for this work. Costs will be included in an appropriate future CIP project or Capital budget in order to maintain emergency funds for the future.

#### RECOMMENDATION

Move adoption of RESOLUTION DECLARING EXISTENCE OF EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY AND APPROVING AND RATIFYING EXECUTION OF CONTRACTS FOR REPAIR OF ESSENTIAL PUBLIC FACILITIES RELATING THERETO (TREATMENT PLANT 12 KVA ELECTRICAL SUPPLY) (4/5<sup>ths</sup> weighted vote required)