

**COMMISSION OF SILICON VALLEY CLEAN WATER
JOINT POWERS AUTHORITY
REGULAR MEETING – Thursday, November 9, 2017
8:00 a.m.**

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

COMMISSIONERS

MAYOR JOHN SEYBERT, REDWOOD CITY – CHAIR

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

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

MAYOR ROBERT GRASSILLI, SAN CARLOS – SECRETARY

MANAGER: DANIEL T. CHILD

ATTORNEY FOR THE AUTHORITY: CHRISTINE C. FITZGERALD

CONTROLLER/TREASURER: KIMBRA MCCARTHY

AMERICANS WITH DISABILITIES ACT

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

AGENDA

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENT

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

5. SAFETY MOMENT and REPORTS

- A. Safety Moment
- B. Manager's Report (verbal)
- C. Financial Reports
 - 1. Investment Report September 30, 2017
 - 2. Quarterly Financial Report Report / Discussion
- D. Engineering Projects Status Update October 2017
- E. Commission Requested Staff-Level Action Items
- F. Proposed 2018 Commission Meeting Schedule

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

8. BUSINESS ITEMS

A. CONSIDERATION OF RESOLUTION AND MOTIONS APPROVING DESIGN-BUILD AGREEMENTS FOR STAGE 1 OF THE FRONT OF PLANT PROJECT (CIP #6013, 6014, 9160)

Proposed Actions:

- i. Move adoption of RESOLUTION APPROVING DESIGN BUILD AGREEMENT DOCUMENTS FOR FRONT OF PLANT PROJECT (CIP #6013, 6014,9160); AND AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT – SHEA/PARSONS JOINT VENTURE - (\$7,146,186)
- ii. Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE FRONT OF PLANT (CIP #6013, 6014, 9160); IN AN AMOUNT NOT TO EXCEED \$1,924,279 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL
- iii. Move approval of TASK ORDER SCOPE AND BUDGET FOR CONSTRUCTION QUALITY ASSURANCE SERVICES FOR THE FRONT OF PLANT (CIP #6013, 6014, 9160); IN AN AMOUNT NOT TO EXCEED \$3,626,362 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – TANNER PACIFIC INC.
- iv. Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE FRONT OF PLANT (CIP #6013, 6014, 9160); IN AN AMOUNT NOT TO EXCEED \$351,160 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – FREYER AND LAURETA

- v. Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S REPRESENTATIVE ASSISTANCE FOR THE RESCU PROGRAM IN AN AMOUNT NOT TO EXCEED \$614,950 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY/JENKS

9. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Government Code §54956.9 (1 potential case)

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

11. ADJOURN

CONSENT CALENDAR

NOTICE TO PUBLIC

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

7. A. APPROVAL OF MINUTES – October 5, 2017

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED AUGUST 27, 2017 AND NECESSARY PAYMENTS THROUGH OCTOBER 20, 2017

C. CONSIDERATION OF MOTION APPROVING CONFLICT OF INTEREST REQUEST FROM HANSON BRIDGET, SVCW SPECIAL CONSTRUCTION COUNSEL

Proposed Action: Move approval of WRITTEN CONSENT TO WAIVE POTENTIAL CONFLICT OF INTEREST AND EXECUTE WAIVER LETTER

D. CONSIDERATION OF MOTION ACCEPTING THE FINAL PROJECT AND FILING NOTICE OF COMPLETION FOR THE REDWOOD CITY PUMP STATION 48-INCH FORCE MAIN EMERGENCY REPAIRS (CIP #6003 and #7005)

Proposed Action: Move approval to ACCEPT THE REDWOOD CITY PUMP STATION 48-INCH FORCE MAIN EMERGENCY REPAIRS (CIP #6003 and #7005) AND AUTHORIZE FILING NOTICE OF COMPLETION - POWER ENGINEERING CONSTRUCTION CO.

E. CONSIDERATION OF MOTION ACCEPTING THE FINAL PROJECT AND FILING NOTICE OF COMPLETION FOR PLANT EFFLUENT OUTFALL LEAK REPAIR (CIP #6012)

Proposed Action: Move approval to ACCEPT PLANT EFFLUENT OUTFALL LEAK REPAIR (CIP #6012) AND AUTHORIZE FILING NOTICE OF COMPLETION – POWER ENGINEERING CONSTRUCTION CO.

F. CONSIDERATION OF MOTION ACCEPTING THE FINAL PROJECT AND FILING NOTICE OF COMPLETION FOR CCT CONCRETE AND STEEL PROTECTIVE COATING REPLACEMENT PROJECT (CIP #9107)

Proposed Action: Move approval to ACCEPT CCT CONCRETE AND STEEL PROTECTIVE COATING REPLACEMENT PROJECT (CIP #9107) AND AUTHORIZE FILING NOTICE OF COMPLETION – REDWOOD PAINTING COMPANY, INC

G. CONSIDERATION OF RESOLUTION APPROVING DESIGN BUILD REQUEST FOR PROPOSAL PROCUREMENT DOCUMENTS

Proposed Action: Move adoption of RESOLUTION APPROVING REQUEST FOR PROPOSAL AND PROCUREMENT DOCUMENTS FOR WWTP IMPROVEMENTS - PHASE 2 PROJECT AND AUTHORIZE MANAGER TO ISSUE REQUEST FOR PROPOSALS TO INTERESTED DESIGN-BUILD ENTITIES

H. CONSIDERATION OF MOTIONS APPROVING EXPENDITURES FOR REPAIRS TO ESSENTIAL FACILITIES – 12KV POWER SUPPLY (CIP #9808)

Proposed Actions:

- i. Move approval of DETERMINATION OF CONTINUED EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY IN ACCORDANCE WITH RESOLUTION NO. SVCW 17-57 AND WARRANTING CONTINUATION OF SUSPENSION OF COMPETITIVE BIDDING PROCEDURES (TREATMENT PLANT 12 KVA ELECTRICAL SUPPLY) (4/5^{ths} weighted vote required)
- ii. Move approval of EXPENDITURES UP TO \$2,347,412 AT THE DIRECTION OF THE SVCW MANAGER FOR REPAIR OF TREATMENT PLANT 12KV POWER SUPPLY (CIP #9808) AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS

I. CONSIDERATION OF RESOLUTION APPROVING AMENDMENT TO MASTER SERVICES AGREEMENT – DNS STRATEGIC PARTNERS, LLC

Proposed Action: Move adoption of RESOLUTION APPROVING AMENDMENT TO THE MASTER SERVICES AGREEMENT WITH DNS STRATEGIC PARTNERS, LLC

November Safety Awareness

Hearing Conservation

Ear plugs are important!

- Use earplugs or earmuffs to protect you from loud noises.
- Long term exposure to 80-85 decibels or more can cause hearing loss without protection. It is not recommended to be exposed to 100 decibels without any protection for more than 15 minutes. Hearing loss can be permanent.
- Decibel levels of common sounds:
 - Aircraft takeoff: 180
 - Chainsaw: 110
 - Amplified music: 110
 - Lawnmower: 90
 - Normal conversation: 60
- Signs of noise being too loud at workplace:
 - Ringing or humming in your ears when you leave work.
 - You have to shout to hear coworkers at arms length away.
 - You experience temporary hearing loss when you leave work.



Properly wearing ear plugs:

- Rubber Style Ear plugs.
 1. Reach over your head and pull the top of the ear outward and upward.
 2. With the other hand grasp the ear plug handle and gently push and rock into ear canal until a good seal is made.
 3. Adjust to the greatest noise reduction.
 4. Remove with a slow twisting motion to break seal.
- Foam Style Ear Plugs.
 1. Roll the plug into a small cylinder.
 2. Reach over head and pull the top of the ear outward and upward.
 3. Insert the plug in the ear canal.
 4. Hold it in the ear canal until the plug expands and a good seal is made.
 5. Remove with a slow twisting motion to break seal.

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650.591.7121 | FAX: 650.591.7122
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SILICON VALLEY CLEAN WATER
INVESTMENT LISTING
September 30, 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%	1.67	20,590	20,658	21,330	345
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2020	5.000%	2.05	48,383	50,038	51,044	1,026
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.61	60,000	61,041	61,842	980
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.70	30,000	29,705	30,366	505
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.02	85,000	85,303	85,940	869
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/17/2018	1.950%	1.43	100,000	100,586	100,962	1,441
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.280%	1.06	50,000	50,053	49,959	529
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.21	125,000	126,929	127,245	1,540
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.53	50,000	52,453	52,543	803
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/13/2019	4.500%	1.57	100,000	105,612	106,584	1,657
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.62	30,000	29,928	30,378	486
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.71	100,000	99,376	99,882	1,694
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.75	100,000	98,818	99,604	1,732
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.36	60,000	60,085	60,686	815
FEDERAL NATL MTG ASSN GTD REMIC	NR	09/25/2019	2.171%	1.90	140,195	140,970	142,035	2,681
FEDERAL NATL MTG ASSN	AA+	09/25/2020	1.750%	1.73	100,000	100,052	100,707	1,732
FEDERAL HOME LN MTG CORP MULTICLASS	NR	11/25/2019	1.869%	1.83	129,510	129,464	129,328	2,364
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.47	30,000	30,131	30,506	443
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.54	30,000	29,828	30,194	460
FEDERAL HOME LN MTG CORP MULTICLASS	N.A.	04/15/2020	4.000%	1.87	23,955	24,305	24,673	455
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2019	5.500%	1.93	34,613	35,459	36,604	684
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	03/01/2020	5.500%	1.81	9,538	9,583	9,883	173
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2020	5.000%	2.07	22,972	23,630	24,250	489
GNMA II PASSTHRU CTF POOL #003421	N.A.	08/20/2018	4.500%	2.22	7,069	7,071	7,406	157
GENERAL ELEC CAP CORP MTN	AA	08/07/2018	1.582%	1.37	75,000	75,171	74,771	1,030
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.39	50,000	50,760	50,857	703
MCDONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.68	25,000	25,012	25,583	421
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.33	50,000	50,570	50,798	674
SMALL BUSINESS ADMIN GTD LN POOL	N.A.	02/25/2019	4.075%	2.89	28,378	28,643	29,446	828
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.58	50,000	50,207	50,076	794
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	2.39	50,000	50,021	49,712	1,193
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.53	50,000	50,394	50,997	773
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.53	80,000	79,598	80,000	1,215
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	1.86	100,000	98,579	100,049	1,837
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	1.92	100,000	101,676	104,648	1,952
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.14	100,000	102,243	104,309	2,185
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.84	110,000	115,708	117,215	2,128
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.64	80,000	79,560	80,000	1,305
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.03	60,000	59,629	60,000	1,209
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.18	40,000	39,821	40,000	870
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.74	80,000	79,738	80,000	1,386
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	1.68	150,000	149,396	150,000	2,508
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	1.63	70,000	69,618	69,577	1,131
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	1.85	70,000	68,719	69,059	1,271
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	1.93	35,000	35,621	36,075	586
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/29/2020	1.830%	1.70	140,000	140,479	141,135	2,392
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	1.750%	1.67	140,000	140,288	140,918	2,339
FEDERAL NATL MTG ASSN	AA+	05/06/2021	1.250%	1.75	90,000	88,448	88,853	1,547
FEDERAL NATL MTG ASSN	AA+	08/17/2021	1.250%	1.83	90,000	88,115	88,572	1,613
CASH & EQUIVALENTS	-	-	-	0.95	-	86,542	86,542	822
Annual OPS and CAP Budget Reserve Total						\$ 3,505,632	\$ 3,533,139	\$ 58,872

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Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
Capital Improvement Program Reserve								
APPLE INC SR FLT NT	AA+	02/07/2020	1.561%	1.35	100,000	100,336	99,821	1,359
BERGEN CNTY N J TAXABLE GO BDS 2008	N.A.	11/01/2019	6.000%	1.58	100,000	104,757	106,498	1,659
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.44	100,000	102,367	103,892	1,472
CALIFORNIA ST GO BDS TAXABLE	AA-	10/01/2019	6.200%	1.90	100,000	108,649	110,063	2,060
CHEVRON CORPORATION SR NT	AA-	03/03/2019	4.950%	1.64	100,000	104,591	104,407	1,710
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.77	125,000	132,368	132,768	2,343
COLGATE PALMOLIVE CO MTNS FR	AA-	11/01/2018	1.500%	1.52	100,000	99,965	100,242	1,515
EXXON MOBIL CORP SR FLT NT	AA+	03/15/2019	1.470%	1.37	100,000	100,164	99,935	1,371
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	1.67	6,923	6,946	7,171	116
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	2.12	33,579	34,424	35,405	730
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.61	340,000	345,899	345,416	5,552
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.70	100,000	99,016	101,220	1,684
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	12/01/2017	2.500%	1.13	500,000	501,490	503,890	5,677
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/05/2018	4.500%	1.22	500,000	504,880	508,785	6,144
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/22/2018	5.050%	1.53	20,000	20,570	20,717	314
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/06/2020	5.300%	1.76	450,000	490,055	497,601	8,615
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/03/2019	5.320%	1.62	50,000	53,533	53,685	869
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	02/27/2018	4.670%	1.40	450,000	456,314	458,177	6,366
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.71	60,000	62,062	62,506	1,059
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	2.625%	0.88	500,000	501,340	504,220	4,387
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.02	25,000	25,089	25,277	256
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	1.56	250,000	249,890	250,000	3,893
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.58	60,000	63,961	64,257	1,012
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	4.625%	1.70	200,000	215,466	216,520	3,672
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/14/2018	3.750%	1.44	250,000	256,815	259,088	3,708
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.53	25,000	26,227	26,272	402
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	4.125%	1.59	125,000	131,646	134,414	2,093
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.63	700,000	742,154	742,418	12,067
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.58	100,000	100,160	101,676	1,582
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.62	50,000	49,880	50,630	810
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.71	170,000	168,939	169,783	2,880
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.72	325,000	326,830	332,137	5,618
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.75	240,000	237,163	239,586	4,157
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	1.36	150,000	150,213	151,715	2,037
FEDERAL HOME LN MTG CORP MULTICLASS	NR	06/25/2020	3.531%	2.01	100,000	103,635	106,188	2,087
FEDERAL HOME LN MTG CORP	AA+	06/13/2018	4.875%	1.29	115,000	117,828	119,370	1,519
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.46	500,000	516,615	517,065	7,532
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.47	50,000	50,218	50,843	738
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.54	50,000	49,714	50,323	767
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	3.34	250,000	250,845	266,641	8,378
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	2.680%	2.03	468,905	473,777	488,394	9,618
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	1.940%	1.83	460,828	461,247	465,148	8,441
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	5.000%	1.93	45,122	46,165	47,562	891
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	2.55	204,764	214,589	227,160	5,472
INTERNATIONAL BUSINESS MACHS SR GLBL	A+	02/06/2018	1.502%	1.31	100,000	100,075	99,977	1,306
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.39	25,000	25,380	25,428	352
MICROSOFT CORP NT	AAA	06/01/2019	4.200%	1.52	100,000	104,300	104,647	1,580
MONONA WIS TAXABLE PROM NTS 2015B	N.A.	06/01/2020	3.250%	2.61	100,000	101,557	101,838	2,653
NEW YORK N Y GOBDS 2011 C TAXABLE	AA	10/01/2018	3.480%	1.54	100,000	101,889	102,255	1,565
OHIO ST GO BDS 2009 C TAXABLE	AA+	03/01/2018	4.371%	1.31	100,000	101,245	101,426	1,324
PASADENA CALIF PUB FING AUTH L LEASE	AA	03/01/2018	4.224%	1.69	25,000	25,214	25,249	427
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.44	500,000	507,945	516,625	7,294
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.53	25,000	25,197	25,498	386
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.53	100,000	99,498	100,000	1,518
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	1.86	100,000	98,579	100,049	1,837
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	1.92	100,000	101,676	104,648	1,952
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	2.05	100,000	101,047	102,982	2,074
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	11/01/2020	3.410%	2.23	117,011	121,264	125,348	2,704
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	1.92	100,000	101,778	103,208	1,958
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.02	100,000	98,400	100,127	1,987
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.14	225,000	230,047	234,695	4,916
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.84	165,000	173,562	175,822	3,192
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	2.00	260,000	257,993	260,000	5,160
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	1.64	260,000	258,570	260,000	4,241
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.88	340,000	338,409	340,000	6,345
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.03	80,000	79,506	80,000	1,612
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.18	120,000	119,464	120,000	2,609
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.74	80,000	79,738	80,000	1,386
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	1.68	220,000	219,113	220,000	3,679
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.08	220,000	218,559	220,000	4,555
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.23	220,000	219,749	219,505	4,889
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	1.63	290,000	288,417	288,604	4,687
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	1.85	140,000	137,438	138,118	2,543
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	1.93	310,000	315,499	317,712	6,073
FEDERAL NATL MTG ASSN	AA+	01/05/2022	2.000%	1.92	310,000	310,977	311,600	5,974
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	1.750%	1.67	170,000	170,350	171,115	2,840
FEDERAL NATL MTG ASSN	AA+	05/06/2021	1.250%	1.75	170,000	167,068	167,833	2,922
FEDERAL NATL MTG ASSN	AA+	08/17/2021	1.250%	1.83	170,000	166,440	167,302	3,048
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2022	1.900%	1.96	165,000	164,507	165,772	3,231
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	08/03/2022	1.900%	1.98	165,000	164,497	165,427	3,250
FEDERAL NATL MTG ASSN	AA+	04/05/2022	1.875%	1.94	170,000	169,723	170,651	3,296
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2022	1.850%	1.99	130,000	129,097	131,022	2,563
CASH & EQUIVALENTS	-	-	-	0.95	-	1,225,021	1,225,021	11,638
Capital Improvement Program Reserve Total						\$ 16,377,574	\$ 16,528,388	\$ 270,195

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<u>Broker/Dealer</u> Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Estimated Annual \$ Yield Cost	Earnings
Stage 2 Capacity Reserve								
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	1.44	100,000	102,367	103,885	1,472
CEDAR PARK TEX CTFS OBLIG TAXABLE	AA	08/15/2018	5.280%	1.61	50,000	51,519	51,654	828
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	1.77	75,000	79,421	79,661	1,406
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	2.12	33,579	34,424	35,405	730
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	11/01/2020	4.500%	1.93	35,137	35,968	36,631	694
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	1.61	100,000	101,735	103,070	1,633
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	1.70	100,000	99,016	101,220	1,684
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/29/2018	0.875%	1.27	100,000	99,729	100,070	1,262
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	05/15/2018	4.500%	1.47	100,000	102,043	103,088	1,503
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/28/2018	4.780%	1.42	55,000	56,918	56,813	810
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	1.71	60,000	62,062	62,506	1,059
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/08/2017	3.125%	1.02	100,000	100,356	101,106	1,023
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	1.56	200,000	199,912	200,000	3,115
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.280%	1.06	50,000	50,053	49,959	529
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	1.58	50,000	53,301	53,548	843
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/09/2018	4.625%	1.21	75,000	76,157	76,347	924
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	1.53	100,000	104,906	105,086	1,606
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	1.63	125,000	132,528	132,474	2,155
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	1.58	100,000	100,160	101,676	1,582
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	1.62	100,000	99,760	101,260	1,620
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	1.71	100,000	99,376	101,038	1,694
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	1.72	175,000	175,985	178,843	3,025
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	1.75	180,000	177,872	180,168	3,118
FEDERAL NATL MTG ASSN	AA+	01/14/2019	3.275%	1.54	100,000	102,365	102,562	1,576
FEDERAL HOME LN MTG CORP MULTICLASS	NR	10/25/2020	2.788%	1.84	59,100	59,750	60,577	1,099
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	1.46	250,000	258,308	258,487	3,766
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	1.47	100,000	100,435	101,685	1,475
FEDERAL HOME LN MTG CORP	AA+	08/01/2019	1.250%	1.51	100,000	99,525	100,881	1,499
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	1.54	100,000	99,427	100,645	1,533
FEDERAL HOME LN MTG CORP	AA+	04/09/2018	0.750%	1.21	100,000	99,724	99,836	1,209
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	3.34	200,000	200,676	213,313	6,703
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2020	4.000%	2.06	64,858	67,063	67,959	1,382
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	2.55	171,266	179,483	189,998	4,577
GARNER N C GO PUB IMPT BDS TAXABLE	AA+	02/01/2018	3.050%	1.47	50,000	50,229	50,397	739
GENERAL ELEC CAP CORP MTN	A+	08/07/2018	1.582%	1.37	100,000	100,228	99,695	1,373
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	1.39	100,000	101,520	101,713	1,406
JPMORGAN CHASE & CO SR NT	A-	03/01/2021	2.550%	2.25	50,000	50,500	50,944	1,138
LANCASTER CNTY NEB SCH DIST NO SCH	AA	01/15/2021	4.550%	2.61	50,000	53,310	54,457	1,389
MODONALDS CORP MED TERM NT FR	BBB+	10/15/2017	5.800%	1.68	50,000	50,024	51,165	842
NORFOLK VA GO CAP IMPT BDS 2010 B	AA	03/01/2019	4.650%	2.06	100,000	103,691	103,952	2,135
NORTH ST PAUL MAPLEWOOD MINN I GO	AA	02/01/2018	5.000%	1.33	100,000	101,139	101,595	1,348
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	1.44	200,000	203,178	206,530	2,918
U S BANCORP MTNS BK ENT FR	AA-	11/15/2018	1.950%	1.58	100,000	100,414	100,151	1,589
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	2.39	50,000	50,021	49,712	1,193
WELLS FARGO & CO NEW SR GLBL NT	A+	12/11/2017	5.625%	1.53	100,000	100,787	101,993	1,545
XTO ENERGY INC SR NT	AA+	06/15/2018	5.500%	1.28	100,000	102,905	104,092	1,319

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Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated
								Annual \$ Yield Earnings
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	1.53	200,000	198,996	200,000	3,037
MONTGOMERY CNTY MD CTFS PARTN COPS	N.A.	11/01/2019	1.200%	1.86	100,000	98,579	100,049	1,837
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	2.05	150,000	151,571	154,473	3,112
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	1.92	150,000	152,667	154,812	2,937
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.02	100,000	98,400	100,127	1,987
FEDERAL HOME LN MTG CORP	AA+	08/25/2021	1.375%	2.06	90,000	88,697	90,000	1,831
METRO WASTEWTR RECLAMATION DIS REV	AA+	04/01/2019	4.718%	2.09	100,000	104,509	107,178	2,188
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	1.84	55,000	57,854	58,607	1,064
FEDERAL HOME LN MTG CORP	AA+	03/30/2021	1.500%	1.91	60,000	59,057	60,000	1,127
FEDERAL HOME LN MTG CORP	AA+	09/30/2021	1.050%	2.59	100,000	97,980	99,900	2,538
FEDERAL NATL MTG ASSN	AA+	09/30/2019	1.250%	1.64	60,000	59,566	59,985	976
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	2.00	60,000	59,537	60,000	1,191
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	1.88	100,000	99,532	100,000	1,866
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.03	80,000	79,506	80,000	1,612
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.18	60,000	59,732	60,000	1,305
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	1.74	40,000	39,869	40,000	693
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.08	150,000	149,018	150,000	3,106
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.23	150,000	149,829	149,663	3,334
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	1.63	260,000	258,580	258,975	4,202
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	1.85	80,000	78,536	78,925	1,453
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	1.93	120,000	122,129	122,985	2,351
FEDERAL NATL MTG ASSN	AA+	01/05/2022	2.000%	1.92	120,000	120,378	120,619	2,312
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	1.750%	1.67	260,000	260,536	261,706	4,343
FEDERAL NATL MTG ASSN	AA+	05/06/2021	1.250%	1.75	260,000	255,515	256,686	4,469
FEDERAL NATL MTG ASSN	AA+	08/17/2021	1.250%	1.83	260,000	254,556	255,874	4,661
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2022	1.900%	1.96	290,000	289,133	291,357	5,679
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	08/03/2022	1.900%	1.98	290,000	289,116	290,751	5,713
FEDERAL NATL MTG ASSN	AA+	04/05/2022	1.875%	1.94	300,000	299,511	301,149	5,817
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2022	1.850%	1.99	85,000	84,409	85,668	1,676
CASH & EQUIVALENTS	-	-	-	0.95	-	1,034,824	1,034,824	9,831
Stage 2 Capacity Reserve Total						\$ 9,782,387	\$ 9,872,155	\$ 166,310
Subtotal, Bank of the West						\$ 29,665,593	\$ 29,933,682	\$ 495,378
California Local Agency Investment Fund	LAIF	-	-	1.111		\$ 2,073,135	\$ 2,073,135	23,033
TOTAL UNRESTRICTED INVESTMENTS						\$ 31,738,728	\$ 32,006,817	\$ 518,410
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%	-	-	4,341	4,341	-
2009 Reserve Account - Federal National Mortgage Assn 313G3Q73	Aaa	7/26/2019	1.150%	1.16	4,743,337	4,743,337	4,780,000	55,023
2009 Reserve Account - BMW BK North Amer Salt Lake 05580ACK8	Aa	7/24/2019	2.000%	1.99	150,729	150,729	150,000	3,000
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	-	-	100,583	100,583	-
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%	-	-	1,347	1,347	-
2014 Revenue Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-	-	425	425	-
2014 Revenue Account - Cash	-	-	0.000%	-	-	3	3	-
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 - Cash	-	-	0.000%	-	-	4	4	-
2014 COI Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	-	-	5,135	5,133	-
2014 COI Account - Cash	-	-	0.000%	-	-	41	41	-
2015 Project Account - Cash	-	-	0.000%	-	-	28	28	-
2015 Revenue Account - JP Morgan Prime MMTK 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
2009 Escrow - United States Treasury 912828UJ7	Aaa	1/31/2018	0.875%	0.88		598,419	599,629	5,266
2009 Escrow - Resolution Funding Corp Interest Strip 76116EFS4	Aaa	7/15/2018	0.000%	-		334,086	329,183	-
2009 Escrow - United States Treasury 912828VQ0	Aaa	7/31/2018	1.375%	1.37		263,082	265,978	3,604
2009 Escrow - United States Treasury 912828B33	Aaa	1/31/2019	1.500%	1.50		603,639	610,349	9,055
2009 Escrow - Tunisia Government Aid Bonds 066716AG6	Aaa	7/16/2019	1.686%	1.69		40,386,938	40,944,692	682,539
2009 Escrow - Cash						3,154	3,154	-
Subtotal, Bank of New York (Trustee)						\$ 47,258,146	\$ 47,857,745	\$ 758,486
Less Amounts held in Escrow for 2009 Bond Defeasance						\$ (42,189,317)	\$ (42,752,985)	\$ (700,464)
Net Total, Bank of New York (Trustee)						\$ 5,068,829	\$ 5,104,760	\$ 58,022
Uninvested Operating Cash						241,289	241,289	-
TOTAL CASH & INVESTMENTS, UNRESTRICTED AND WITH TRUSTEE						\$ 37,048,846	\$ 37,352,866	576,432
						<i>Weighted Average Yield to Maturity %</i>		1.56%

Summary by Investment Type:	Market Value
US Treasuries	\$ 168,941
Agencies	26,376,287
Commercial Paper / Corporate Bonds	2,414,582
Municipal Bonds / Notes	3,422,403
Money Market / Certificates of Deposit	2,593,498
Local Agency Investment Fund	2,073,135
TOTAL	\$ 37,048,846

Summary by Purpose / Restriction Level	Market Value
Working Capital	\$ 2,314,424
Operations & Capital Budget Reserve	3,505,632
Capital Improvement Program Reserve	16,377,574
Stage 2 Capacity Reserve	9,762,387
Debt Reserve	5,068,637
Debt Proceeds	192
TOTAL	\$ 37,048,846

Summary by Liquidity:	Market Value
0-1 years	\$ 10,559,982
1-2 years	10,390,156
2-3 years	7,197,882
3-5 years	8,900,827
TOTAL	\$ 37,048,846

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



M. Anderson

FINANCE STATUS REPORTISSUE

Review of the Operating Fund Financial Update as of September 30, 2017. This Update is for the first quarter of the 2017-18 Fiscal Year.

DISCUSSION

Staff presents to the Commission a 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 \$108 thousand (1.8%). SVCW received \$65 thousand more Environmental Services revenue than anticipated from leachate disposal. Additionally, \$14 thousand in the Fats, Oils, and Grease (FOG) program revenue was billed sooner than budgeted. Finally, received \$11 thousand in workers compensation dividends due to good safety results.

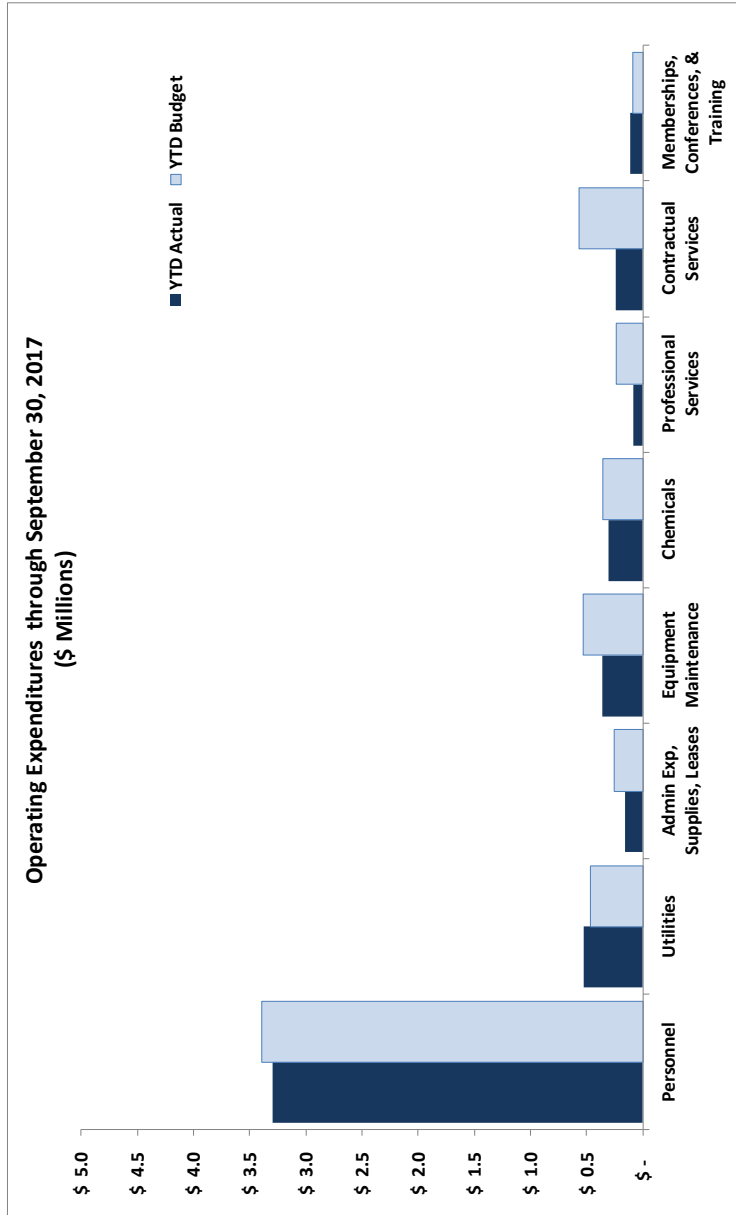
All Member contributions were paid in full and on time.

Expense: Through the first quarter operating expenses were \$823 thousand or 13.9% less than the \$5.9 million year-to-date budget. Notable variances include:

- Personnel expense was \$98 thousand (2.9%) below budget due to a combination of unfilled positions, plus the lower-than-expected health insurance costs and a delay in merit increases for some employees.
- Utilities expense was \$60 thousand (12.7%) more than budget, \$30 thousand of which is due to a delay in new equipment installation that will decrease power usage when complete. Additionally, \$20 thousand was mistakenly charged to utilities rather than to equipment rental (will be corrected in the second quarter).
- Admin Expense, Supplies, and Leases were \$103 thousand (39.7%) less than budgeted due to several purchases of IT software and equipment not yet incurred.
- Equipment Maintenance costs were \$167 thousand (31.6%) less than budget due to timing of IT services and pump station maintenance.
- Chemicals expense was \$52 thousand (14.6%) less than budget, of which \$35 thousand was due to not yet incurred polymer costs associated with installation of new rotary drum thickening equipment, now scheduled for quarter 2.
- Professional Services expense was \$154 thousand (64.1%) less than budget, related to timing of regulatory permits, engineering services, legal costs, and audit fees.
- Contractual Services expense was \$329 thousand (57.7%) less than budget related to timing of solids disposal, tank cleaning, and engineering consulting.
- Memberships, Conferences, & Training expense was \$18 thousand (20.3%) more than budget. SVCW paid its Bay Area Clean Water Associated membership at the beginning of the year rather than at the end of the fiscal year as originally planned.

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

Description	YTD Actual	YTD Budget	\$ Better/ (Worse)	% Better/ (Worse)	Comment
Revenue:	\$ 5,987,839	\$ 5,880,193	\$ 107,646	1.8%	Received \$30K more leachate discharge revenue than historically seen. In addition, \$35K increase due to recognition of one additional quarter of leachate revenue. \$14K more FOG revenue was billed sooner than budgeted. Received \$11K of workers compensation dividends for strong safety performance.
Expenditures:					
Personnel	\$ 3,296,202	\$ 3,394,011	\$ 97,809	2.9%	Vacancies during first quarter. Health insurance costs lower than budgeted. Some delay in merit increase.
Utilities	529,687	469,994	(59,693)	(12.7%)	\$30K of savings not achieved due to delay in rotary drum thickening equipment installation. Also experienced higher summer peak rates/volumes versus budget (may offset in Winter). Finally, \$20K of equipment rental was mistakenly charged to utilities and will be corrected in the second quarter.
Admin Exp, Supplies, Leases	155,589	258,176	102,587	39.7%	\$20K of equipment rental was miscoded to utilities. Several purchases of IT equipment and software were not yet incurred.
Equipment Maintenance	359,784	526,372	166,588	31.6%	IT services not yet incurred. Timing of pump station maintenance. Anticipate these charges will occur in the later quarters of fiscal year.
Chemicals	302,306	354,053	51,747	14.6%	\$35K of additional polymer costs not incurred (associated with new rotary drum thickening equipment now scheduled to be installed in the second quarter). Additionally vendor undercharged \$3.5K for Ferric Chloride, to be resolved in second quarter.
Professional Services	86,209	240,199	153,990	64.1%	Regulatory permits, Engineering services, HR policy legal services, audit and actuarial services...budgeted but not yet not incurred.
Contractual Services	240,765	569,351	328,586	57.7%	Network support agreement for \$78K not yet incurred. Operations Bioforce Tech expenses, tank cleaning services, and contractor training and consulting services not yet incurred.
Memberships, Conferences, & Training	108,587	90,241	(18,346)	(20.3%)	\$58K BACWA Membership expected at end of fiscal year, but paid at the beginning.
TOTAL Expenditures:	\$ 5,079,130	\$ 5,902,397	\$ 823,268	13.9%	



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

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

On October 5, 2017 the Commission awarded a contract to Barnard/Bessac Joint Venture (BBJV) for the Stage 1 Progressive Design Build contract on the Gravity Pipeline project. The Stage 1 scope of work is to design the project to 60% completion. On October 10, 2017, SVCW staff and the BBJV team conducted a partnering workshop to align the group on communication protocols, project goals and action items for the upcoming 30 days. The working team is co-locating in shared office space. A recommendation for the Front of Plant Progressive Design Build firm will be presented to the Commission at the November 2017 meeting. The recommended scope of work is 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 along with recommended consulting task orders to round out the overall staffing needs for both design-build projects as well as the overall RESCU program.

Planned Commission Actions: Approve Front of Plant PDB Firm and Stage 1 Contract and Task Orders for Owner's Advisors and Quality Assurance Consultants – November 2017

Emergency Repair of the 12kV Vault (9808): Respond to emergency condition of existing 12 kV service.

On September 14, 2017 the Commission approved the emergency expenditure of funds for the repair of essential facilities. The Commission was informed that a 12kV vault was subsiding due to site soils conditions and creating a potential disruption of power supply to critical plant operations. Staff is working with an electrical designer and contractors to design and relocate the 12 kV conduits that supply power to the main treatment plant transformers. Staff is investigating several alternative pathways utilizing the underground tunnel as a support bridge between the main building structure and the Solids Handling Building. This project also includes installing equipment to allow for connections to mobile generators during the rerouting of permanent power. Staff was authorized to expend up to \$300,000 for this work. A request for authorization for additional funding for the project will be presented at the November 2017 meeting.

Planned Commission Actions: Authorize additional expenditure of funds – 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. The work is now complete on this critical project.

Planned Commission Actions: Accept Project – November 2017

Redwood City Pump Station 48” Force Main Emergency Repairs (7005): Replace the 48-inch force main portion at Redwood City Pump Station including connection to 33-inch FM from WBSD and to the newly installed FM in Maple Street.

On November 4, 2015 SVCW crews discovered a leak in a section of pipe (approximately 100 feet of force main) that was not replaced as part of the 48-inch pipe replacement authorized in June 2013. On December 10, 2015 the Commission approved the emergency expenditure of funds for the repair of essential facilities. This section of pipe was planned for replacement as part of the larger CIP Conveyance System Replacement Program. Due to the initial leak and investigatory evaluation and likelihood of additional failures on this section of pipe, staff determined it necessary to declare an emergency to divert the flow into the newly installed 48” pipe to eliminate any risk of a catastrophic raw sewage leak. Power Engineering was contracted to complete work on this critical project and work is now complete.

Planned Commission Actions: Accept Project – November 2017

CCT Concrete and Steel Protective Coatings Project (9017): Repair cracks in concrete walls and ceiling of CCT Pass 1 and replace coatings on steel equipment inside tank.

A condition assessment of the interior of the Chlorine Contact Tank highlighted many cracks in the concrete ceiling and walls and failed coatings on valves and steel piping within the tank. A contract was let to Redwood Painting for crack repair and coatings. Due to the inability to completely dewater the tank, a change order to eliminate the replacement of coatings on steel equipment and piping was issued and this portion of the work will be completed at a future date.

Planned Commission Actions: Accept Project – November 2017

Wastewater Treatment Plant Improvements Phase 2 (9169, 9173, 9186, 9189, 9197, 9220, 9224): Rehabilitation and/or replacement of seven treatment plant mechanical processes.

SVCW issued a Request for Qualification (RFQ) on September 22, 2017. This RFQ is the first step of a two-step procurement process and establishes the process for soliciting and evaluating Statement of Qualifications (SOQs) from those entities (Respondents) interested in serving as the Design-Builder. The SOQs will be reviewed and evaluated in accordance with stated criteria and a shortlist of firms will

be qualified to receive the Request for Proposals (RFP). The RFP will include Procurement Documents by which the Respondents will need to assess and provide a lump sum price to complete the entire project (design and construction). The Procurement Documents and authorization to issue the RFP will be brought to the Commission in November. Staff will evaluate the best timing for issuance of the RFP to meet construction and financing needs of the Authority and will return to the Commission for approval of a Design-Build contract at a future date.

Planned Commission Actions: Approve Issuance of Request for Proposals –
November 2017
Authorize a contract and Notice to Proceed with a
Design Bid firm – TBD

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

Project Phase	Project Count	Amended 2015 CIP Update	Actual Spent thru August 2017	\$ Unspent/ Remaining	% Unspent/ Remaining
Completed	100	\$ 138,476,806	\$ 136,622,555	\$ 1,854,251	1.3%
In Construction	29	76,767,255	67,986,382	8,780,872	11.4%
Planning & Design	35	461,021,145	31,159,851	429,861,294	93.2%
Other	37	136,873,865	4,750,775	132,123,090	96.5%
TOTAL	201	* \$ 813,139,071	\$ 240,519,563	\$ 572,619,507	70.4%

* 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**

21-Sep-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$)	2013 CIP Update (2010 \$)	2015 CIP Update (2015 \$)	Actual Spent thru August 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 application	-	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	-	14,854
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

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

21-Sep-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$)	2013 CIP Update (2010 \$)	2015 CIP Update (2015 \$)	Actual Spent thru August 2017
Complete	9021	Grease Receiving Station Reliability Improvements and Odor Control	Convert station to two pits, allowing for expanded volume storage. Improvements to controls, pumping, mixing.	320,200	1,698,002	1,730,417	1,730,417
Complete	9022	Existing Freight Elevator Modernization	Bring passenger and freight elevators up to modern standards; replaces controls. Passenger elevator deleted from this project and included with Administration/Plant Control Building project.	496,700	1,080,137	1,092,137	1,092,137
Complete	9023	Odor & Corrosion Control Master Plan	Address overall plant odor control and corrosion control needs.	148,500	95,182	95,182	-
Complete	9028	Laboratory Building Roof Rehabilitation	Rehabilitate laboratory building roof.	23,400	80,000	106,978	106,978
Complete	9029	Solids Handling Building Control Room HVAC/Scrubber	Air scrubbing to protect sensitive equipment, includes new breaker in (E) MCC, disconnect switch, conduit & wire for air handling unit.	473,400	349,334	390,681	390,764
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

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

21-Sep-17

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$)	2013 CIP Update (2010 \$)	2015 CIP Update (2015 \$)	Actual Spent thru August 2017
Complete	9193	T1 and T2 Replacement	Replace Transformers T1 and T2. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	1,029,600	-	-
Complete	9194	T3 Replacement	Replace Transformer T3. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	514,800	-	-
Complete	9195	Wetside Power	Installs new PDP-2 and replaces old transformers, T1, T2, and T3. Adds new T4. Do work as CCO to 9801 - 9804 (Power Reliability). Transfer project budget.	-	1,716,000	111,831	-
Complete	9198	Hot Water Piping Improvements - Phase I	Provide pumps and piping to allow the hot water loop to serve the new Plant Control and Lab Buildings.	-	171,600	31,738	-
Complete	9199	Hot Water Piping Improvements - Phase II	Add primary and secondary pumping to connect new cogeneration engines to the Plant hot water loop. Do work as CCO to 9154, Cogen. Transfer project budget	-	669,200	1,542	-
Complete	9202	DMF Valve Replacement	Replace old valves in the DMF gallery. Valves are high in the air and scaffolding will be required for access.	-	915,749	962,654	997,139
Complete	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

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

21-Sep-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 August 2017
Complete	9150	Odor & Corrosion Control Program - General Support	Work completed to date satisfactory for moving forward. Provides support and funding for general requirements of projects contained within the Odor & Corrosion Control Program.	-	100,000	75,450	75,450
Complete	9153	High Pressure Pump Safety Cutout Switch Replacement	Work completed in-house. Project Complete.	28,700	11,233	11,233	-
Complete	9161	Digester #3 Cleaning	Combine w/CIP #9012; Clean Digester #3 to facilitate effective solids treatment and provide access for Digester #3 Rehabilitation and Upgrade project (CIP 9012). Includes purging of Digester #1, screened transfer of contents from Digester #3 to Digester #1, and disposal of screenings and Digester #3 residual contents.	-	-	-	-
Complete	9162	Digester Mix System Improvements	Combine w/CIP #9012; Replace three existing Digester Mixing Pumps with three screw centrifugal pumps and one spare to improve pumping and digester operation and reduce maintenance. The work is included with the Digester #3 Rehabilitation and Upgrade Project (CIP 9012).	-	-	-	-
Complete	9166	Digestion System Enhancements	Combine w/CIP #8021 and transfer budget. Upgrade existing digestion system to allow enhanced operation with three primary digesters in service. Enhancements include a third heat exchanger and replacement of the aging sludge recirculation pumps for all three digesters.	-	-	-	-
Complete	9182	Property Acquisition	Per Engin 7/16, Transfer costs to Proj 264	-	2,540,000	2,540,000	-
Complete	9191	Cathodic Protection at WWTP	This project replaces the worn out Plant rectifier for cathodic protection on the influent and effluent pipes. Delete project from CIP; work done in house.	-	130,000	-	-
Complete	9201	Dimminutor procurement and installation	Purchase and install 2 dimminutors for each MPPS and SCPS. Purchase 1 spare for emergency installation. Budget allocated out of 9152	-	334,814	374,323	374,442
Complete	9203	Central Chillers Replacement	Existing Chillers 1 and 2 are undersized and have reached the end of their useful lives and provide no redundancy. Chiller #1 has stopped functioning and is no longer serviceable. This project replaces the two chillers with three new chillers, providing one for redundancy and greatly enhancing reliability. Budget allocated out of 9152	-	996,448	1,109,003	1,109,003
Complete	9204	MPPS Concrete Repair	Severe corrosion and spalling concrete have been witnessed at the Menlo Park Pump Station, compromising the integrity of the structure and posing a safety hazard to SBSA Utility Workers. This project will also remove the chemical storage tanks, piping, and pumps that are no longer used. Budget allocated out of 9152	-	68,155	68,155	68,155
Complete	9211	Secondary Clarifier 6" Water Line Replacement	Replace the 6-inch water line situated on the eastern wall of the secondary clarifiers under the Activated Sludge Automation project. Project pulled from CIP #9152.	-	70,000	59,496	59,496
Complete	9213	Area Lighting	Replacement of Plant area lighting to LED lights by in-house staff and broken out from CIP #9152.	-	56,000	55,547	68,415
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	-

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

21-Sep-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 August 2017
Complete	9804	Standby Power Upgrade	Install new standby bus for P1 through P5. Including new ATS's and cabling to P-6 and 2 new standby generators rated at 1MW each. Join CIP #s 9801 through 9804 into a larger Power Reliability Improvements project.	-	-	3,412,623	3,506,324
TOTALS - COMPLETED PROJECTS				\$45,130,636	\$124,064,488	\$138,476,806	\$136,622,555

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

21-Sep-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 August 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	11,052,667
Constr	7012	Pump Stations Processor Upgrade & T-1 Transition for Primary Communications	Install new PLC processors for existing Pump Station Controls	-	-	\$ 298,151	114,943
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	6,512,009
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	8,088,953
Constr	8021	Anaerobic Digestion Process Automation	Automate digester process. Part of SPA project.	2,589,600	8,882,096	\$ 9,701,615	8,050,518
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	188,440
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	3,150,325
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	280,065
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	6,381,768
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	914,294
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	528,919
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**

21-Sep-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 August 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	7,314,859
TOTALS - PROJECTS IN CONSTRUCTION				\$ 26,520,850	\$ 57,118,423	\$ 76,767,255	\$ 67,986,382

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

21-Sep-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 August 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	654,720
Planning	6006	Conveyance System CEQA	Project Development, CEQA, and Planning for the Conveyance System Project Elements	-	839,000	\$ 5,100,580	4,373,022
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	10,683,838
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	209,108
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	922,888
Planning	6014	Influent Connector Pipe	Install new pipeline that connects headworks process to current plant influent.	-	-	\$ 9,081,206	645,393
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	186,248
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	3,784,297
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	345,642
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	4,014,101
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	327,505
Planning	9107	CCT Concrete and Steel Protective Coating Replacement	Recoat walls and Ceiling of CCT	4,807,400	4,901,400	\$ 5,719,970	173,170
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	35,529
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	243,328
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	1,086,173
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	224,895

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

21-Sep-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 August 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	16,250
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	1,725
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	170,095
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	378,199
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	547,844
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	1,146,786
TOTALS - PROJECTS IN PLANNING & DESIGN				\$66,580,700	\$196,975,295	\$461,021,145	\$31,159,851

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**

21-Sep-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 August 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	119,311
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	1,515
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	-	6,611
Project Not Started	9173	Dewatering and Solids Handling Improvements - Phase III	Implement the dewatering improvements recommended by the Biosolids Master Plan, including installation of a fourth rotary press.	-	1,123,200	1,311,493	-
Project Not Started	9174	Digester Supernatant Piping Upgrades	The existing supernatant piping only allows for supernating to Digester 3 from Digesters 1 and 2 and there is no passive overflow system at any of the Digesters. This project will investigate the future need for additional supernatant piping and alternative destinations for receiving supernatant flow. The project cost assume \$50,000 for the evaluation and a placeholder of \$250,000 for implementation.	-	300,000	350,292	-
Project Not Started	9185	Water Cannons at Aeration Basins	Provide 3W piping and appurtenances required to supply high volume, high pressure water for aeration basin wash-down.	-	107,250	118,783	-
Project Not Started	9187	Secondary Clarifier Weir Washers	Install weir washers on secondary clarifier weirs to facilitate routine daily washing and in support of eventual single shift operations and maintenance.	-	248,820	275,576	-
Project Not Started	9196	Electronic O&M Manuals	Develop Electronic O&M manuals to replace existing paper manuals. Extent of e-manuals will be determined to coincide with full plant automation requirements.	-	1,000,000	1,036,600	-
Project Not Started	9197	In-Plant Recycled Water System Expansion	Expand the recycled water pipeline installed under CIP 9018 to supply cooling water to the new emergency generators in the SHB and the new chillers in the Thickener gallery.	-	231,660	256,570	2,020
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**

21-Sep-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 August 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	458,472
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	26,841
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	122,975
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	6,000
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	50,000
Admin	9184	LOC Funding - Phase I	Fees for setting up and managing LOC with Bank of the West. Process complete.	-	105,431	11,124	(0)
Admin	9209	LOC Funding - Phase II	Initial Set-up and Annual fee for LOC with Wells Fargo as of 2015.	-	120,000	129,731	-
TOTALS - REMAINING PROJECTS				\$141,752,600	\$31,068,897	\$136,873,865	\$4,750,775

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: 10/6/2017

Commission Meeting Date		Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
10/5/2017	1	When SVCW can begin exporting power to grid, make public for positive public relations standpoint	N/A		✓			This is a good opportunity for positive public relations.
	2	Project delay costs	N/A	✓			Ongoing	It was noted that project delays can cost upwards of \$1M/month; remind the Commission of this if staff sees the possibility of project delays.
9/14/2017	1	Add Consent Item re: payment to Mobile Modular	10/5/2017			✓	10/5/2017	Payment to Mobile Modular in the amount of \$68k will be noted in a Consent Calendar item for October (this will provide auditable tracking due to the payment being over Manager's authorization amount of \$50k.
	2	Begin process to get onto City's and WBSD's Board meetings' calendars to discuss upcoming bond issuance.	9/20/2017			✓	10/5/2017	Council and Board meeting calendars fill up quickly; to ensure SVCW's bond issuance is considered by each member agency, issue a memo/email to each to get onto December calendars.
	3	Provide recommendation on increased Manager-authority for two Design-Build projects	12/14/2017		✓			Discuss both increased authorization amount and possibility of Sub-Committee.
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).

Commissioners' Requested Action Items
 Updated: 10/6/2017

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
	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	4/1/2018		✓			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.
	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.

Commissioners' Requested Action Items
Updated: 10/6/2017

Commission Meeting Date	Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
			Ongoing	In Progress	Complete		
	3	SRF Funding			✓	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	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		✓			Present a recommendation to Commission re: timing for bond issuance. Issuance currently expected in Winter 2018.
12/8/2016	1	Prepare discussion re: financing the CIP (bonds/no bonds)			✓	1/12/2017	Preliminary discussion with the Long Range Financial Plan presentation in January
11/10/2016	1	Discuss 2017 Commission Meeting Dates			✓	12/9/2016	Commissioners confirmed meeting dates.
	2	Conveyance System DEIR			✓	4/13/2017	Commission certified the EIR at the April 13, 2017
	3	Investment Report			✓	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	Notified public of planned IT shutdown via website.
	2	Conveyance System DEIR			✓		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	12/31/2017	✓			After redesign for required retention wall improvements, the contractor has begun construction again and is expected to complete work in December 2017. 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.

Commissioners' Requested Action Items
 Updated: 10/6/2017

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
	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.
	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.

SILICON VALLEY CLEAN WATER
Memorandum

To: Honorable Commissioners

Date: November 3, 2017

From: Daniel T. Child, Manager

File: 11-31

Re: 2018 Commission Meeting Dates

The following are the regularly scheduled Commission Meeting dates for the calendar year 2018. Regular Commission Meetings are held on the second Thursday of each month at 8:00 a.m. Please review the dates below and be prepared to discuss any needed changes at the Commission meeting of November 9, 2017.

January 11, 2018
February 8, 2018
March 8, 2018
April 12, 2018
May 10, 2018
June 14, 2018
July 12, 2018
August 9, 2018
September 13, 2018
October 11, 2018
November 8, 2018
December 13, 2018

MINUTES OF SILICON VALLEY CLEAN WATER
SPECIAL MEETING – OCTOBER 5, 2017

ITEM 1

CALL TO ORDER

Commissioner Chair, Mr. Seybert called the meeting to order at 8:01 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
Bruce Burnworth, SVCW Senior Engineer
Cindy Hui, SVCW Financial Analyst
Jennifer Flick, SVCW Human Resources Director
Robert Huffstutler, SVCW Operations Director
Ilana Schmidt, SVCW Administrative Assistant
Derek Rampone, City of Redwood City
E.J. Shalaby, DNS Strategic Partners, LLC
Bill Tanner, Tanner Pacific, Inc.
Mark Minkowski, Kennedy/Jenks
Aren Hansen, Brown & Caldwell
John Mahoney, PMA Consultants, LLC

ITEM 3

PLEDGE OF ALLEGIANCE

Ms. Herrera, SVCW's Assistant Manager/Chief Engineering Officer, led those attending the meeting in the recital of the Pledge of Allegiance.

ITEM 4

PUBLIC COMMENT

There was no Public Comment.

ITEM 5A

SAFETY MOMENT

Mr. Child discussed violence in the workplace and tips to assess a workplace's vulnerability and increase awareness of potential threats.

ITEM 5B

MANAGER'S REPORT

SAF-MBR: Mr. Child reminded Commissioners of the Kickoff Event at Stanford University on October 6th where he will give the opening speech. He added this is an exciting technology that SVCW is proud to be a part of.

SRF Meeting: Messrs. Child and Anderson and Ms. Herrera attended an SRF meeting in Sacramento on October 4, 2017 regarding available funding for the CIP. SRF just approved \$1 Billion Dollars in bonds. There may be future opportunity to obtain SRF funding, but short term they still have very limited capacity related to SVCW's needs

12kV Clarification: Mr. Child wanted to clarify that Agenda Item 8B (New 12kV Switchgear Project) is not related to the Declaration of Emergency made in September. Mr. Child updated the Commission on the emergency and said cost estimates are coming in around \$2 Million Dollars. This will be added to the CIP and will keep the Commission informed of the Emergency until it is closed.

Harbor Industrial: Mr. Child and Ms. Herrera will present an update to the Harbor Industrial Association regarding the CIP on the afternoon of October 5, 2017.

Front of Plant Project: Mr. Child informed the Commission of a couple complaints received on September 29th from parents who witnessed dump trucks not coming to a complete stop near Sandpiper Elementary. Mr. Child and SVCW addressed the incident immediately and was pleased to share that the parents were grateful for SVCW's instant response and prompt results.

ITEM 5C3

FINANCIAL REPORTS

There were no questions on the Financial Reports.

ITEM 6

MATTERS OF COMMISSION MEMBER'S INTEREST

There were no matters of Commission Member's interests discussed.

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 RESOLUTION AND MOTIONS APPROVING DESIGN-BUILD AGREEMENTS FOR STAGE 1 OF THE GRAVITY PIPELINE PROJECT (CIP #6008)

Ms. Herrera displayed a snapshot of the entire Design-Build team for the Gravity Pipeline Project and recommends awarding the contract to Barnard-Bessac Joint Venture as well as approving Task Orders for Owner's Advisor and Construction Management/Quality Assurance Services. Ms. Herrera explained in detail how SVCW arrived at selecting Barnard-Bessac using a rigorous and defensible selection process. Barnard-Bessac and Arup are highly experienced in doing deep shafts, tunneling, lift stations and drop structures and have highly qualified environmental and permitting team on staff. Ms. Herrera emphasized the importance that they have solid contacts with tunnel boring machine manufacturers and concrete segment manufacturers, two key elements in this project. Ms. Herrera said the current schedule for Stage 1 is approximately eighteen months and the Stage 1 Contract amount is on a time and expense basis for payment with a not-to-exceed amount of \$7,989,358.00. Ms. Herrera was pleased to share there were no appeals during the process and negotiations were successful.

The Task Order for Kennedy/Jenks will examine engineering details during design progression and essentially look over the shoulders of the designers and prepare Stage 2 cost estimates for comparison. Tanner Pacific will focus on construction-related activities and will perform their own independent Stage 2 cost estimates to compare with Barnard-Bessac and Kennedy Jenks.

Commissioner Lieberman asked if any construction can begin before 100% of the design work is done and if so, as construction begins will it clarify any uncertainties that may modify what the design may be? Ms. Herrera said all the design work will be done, but that doesn't mean they can't get started on other elements, such as designing and procuring the tunnel boring machine.

Commissioner Lieberman asked why the other two shortlisted firms were not selected? Ms. Herrera said coming into the selection process, all the criteria was laid out and Barnard-Bessac was the best firm overall. The shortlisted firms were asked for costs for Stage 1 and indicative for Stage 2. All the estimates were very close for Stage 2 – a spread of approximately \$2M for a project estimated over \$175M.

Commissioner Seybert then asked if costs were coming out to what was predicted? Ms. Herrera responded yes, especially the indicative costs for Stage 2.

Commissioner Seybert added that as SVCW embarks on these large projects and costs and information is put out to the public, it's important to break down the design-build team into plain language.

Motion/Second: Mr. Grassilli / Mr. Lieberman

- i. Move adoption of RESOLUTION APPROVING DESIGN BUILD AGREEMENT DOCUMENTS FOR GRAVITY PIPELINE PROJECT (CIP #6008); AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT – BARNARD-BESSAC JOINT VENTURE - (\$7,989,358.00)

The Resolution carried by Unanimous Roll Call Vote.

- ii. Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE GRAVITY PIPELINE PROJECT (CIP #6008) IN AN AMOUNT NOT TO EXCEED \$1,311,606.00 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY/JENKS CONSULTANTS

The Motion carried by Unanimous Roll Call Vote.

- iii. Move approval of TASK ORDER SCOPE AND BUDGET FOR CONSTRUCTION MANAGEMENT/QUALITY ASSURANCE SERVICES FOR THE GRAVITY PIPELINE PROJECT (CIP #6008) IN AN AMOUNT NOT TO EXCEED \$939,767.00 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 8B

CONSIDERATION OF MOTIONS APPROVING TASK ORDERS FOR THE NEW 12KV SWITCHGEAR PROJECT (CIP #9807)

Ms. Herrera explained that this project provides three benefits to SVCW and it provides first and foremost electrical services to the front of the plant facilities, namely the receiving lift station and headworks. In addition, it provides a second feed from PG&E in case there's a single point of failure in the current 12kV switchgear. Ms. Herrera displayed a photo of the current existing 12kV switchgear when it was originally installed. As previously mentioned, the new project needs to provide the front of plant facilities with electrical power and must be placed above the FEMA flood level or 12 feet above ground level. Ms. Herrera concluded her presentation with recommending Beecher Engineering for electrical design services and Kennedy/Jenks for structural mechanical design needs.

Commissioner Seybert asked if the 12kV fails, does it go offline and the other one takes over? Ms. Herrera replied that there will be a parallel switch between the two which will facilitate the switchover automatically.

Commissioner Otte asked if the Plant is dual-fed? Mr. Child responded no, it is single-fed and although the Agency would love to get dual-feed from PG&E, the price is too high and PG&E doesn't see a demand.

Commissioner Seybert asked if this will give SVCW the ability to put power back on the grid? Mr. Child said right now in the middle of the night, the Agency has to throttle back the co-generation output because more power is being generated than needed in the plant. Mr. Child said because of Rule 21, SVCW is currently unable to put power on the grid at night.

Mr. Child said between the Food Waste Project and the Cogeneration facilities, SVCW generation capacity will far exceed its use of power and the Agency is considering several options as to what will most benefit the member agencies and rate payers.

Motion/Second: Mr. Lieberman / Mr. Otte

- i. Move approval of TASK ORDER SCOPE OF WORK AND BUDGET FOR ELECTRICAL ENGINEERING SERVICES FOR THE NEW 12kV SWITCHGEAR PROJECT (CIP #9807) IN AN AMOUNT NOT TO EXCEED \$377,756 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BEECHER ENGINEERING

The Motion carried by Unanimous Roll Call Vote.

- ii. Move approval of TASK ORDER SCOPE OF WORK AND BUDGET FOR ENGINEERING SERVICES FOR THE NEW 12kV SWITCHGEAR PROJECT (CIP #9807) IN AN AMOUNT NOT TO EXCEED \$323,972 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY/JENKS

The Motion carried by Unanimous Roll Call Vote.

ITEM 8C

CONSIDERATION OF RESOLUTION ADOPTING SILICON VALLEY CLEAN WATER'S 2017 CIP UPDATE PLAN AND CEQA COMPLIANCE

Ms. Herrera stated the last Capital Improvement Program (CIP) Update was in 2015 and the majority of the projects had already been identified as of then. There are a few new projects and she noted there were relatively minor changes in this update. Ms. Herrera added that the goal is to balance the CIP, meaning keep the budget as similar as possible while remaining realistic with what the needs are to keep up with facilities.

Ms. Herrera proceeded to share cost increases and decreases and the outcome is an increase of \$20 Million, with \$15.5 Million being from the construction cost index based on an inflation increase of 3.7% over the past year. There are seven new projects identified with a cost of \$32.6 Million Dollars. Three of these projects are related to the Conveyance System that were not previously captured. In addition, three projects were added due to a very positive Return on Investment (ROI) for the Solar Panels, Battery Storage and Food Waste Program.

The last project is the Declaration of Emergency from the September 14, 2017, meeting for the 12kV conduit cabling failure and was added to the CIP. There are modified projects that reflect the actual final cost of completed projects, with four projects increasing in scope. Ms. Herrera said according to the Engineering News Record (ENR) the go-to source for construction cost indexes and what construction costs are doing in terms of labor and materials showed an increase from October 2016 to October 2017 of 3.7%. The result is an addition of \$15.5 Million Dollars. Finally, there were project reductions that reflect the actual final cost of the project as well as opportunities to reduce project scopes totaling \$59.8 Million Dollars.

Mr. Anderson displayed a graph of forecasted expenditures and needed revenue, noting the largest bar represents the upcoming need for \$200 Million Dollars in bonds. Mr. Anderson added he has been in communications with respective staff at member agencies and hopes to go out for bonds in January 2018. The intent and goal of the current finance plan is to fund the next two years through bonds and then fund future needs with a blend of funding from WIFIA and SRF.

Ms. Herrera said with regards to CEQA conclusions, the majority of SVCW's projects come under the categorical exemption rules. Some projects, particularly those related to the Conveyance System or anything outside the Plant boundary, initially need to be studied to tell SVCW whether or not they are categorically exempt, or if a mitigated negative declaration can be made or that other environmental work is required. Ms. Herrera concluded with recommending adoption of the 2017 CIP Update and CEQA conclusions.

Commissioner Seybert was pleased to hear SVCW is in compliance and there are no CEQA challenges because it can result in significant project delays.

Commissioner Lieberman asked Ms. Herrera to confirm that when looking at the project reductions of \$60 Million Dollars and increases of \$30 Million Dollars, the initial reaction is that the Engineering estimates and the Scope of Work we are anticipating (when it comes to actualization and reality) overall the Agency is conservative and about on target. In other words, net positive about \$30 Million Dollars. Ms. Herrera said it's not an apples to apples scenario because in the reductions, there were scopes that were not needed and projects do change, but yes, overall, SVCW has been very accurate in projecting and budgeting of CIP costs.

Commissioner Lieberman asked Ms. Herrera from her knowledge of the various projects, is she finding the engineering estimates prior to the scopes were higher or lower or just about where they should be? Ms. Herrera responded that what was planned in the CIP and subsequent updates is overall on target.

Commissioner Seybert stated that, in reality, costs are increasing about \$1 Million Dollars a month. He emphasized the importance of minimizing delays and as the program continues, if staff foresees any delays that can be avoided and can potentially save millions of dollars, this should be brought to the attention of the Commission.

Mr. Child said he is working with Legal Counsel to update the Policy authorizing him to approve a higher dollar amount in order to keep the projects moving and will bring a proposal to the Commission for its consideration at December's Commission meeting.

Motion/Second: Mr. Lieberman / Mr. Grassilli

Move adoption of RESOLUTION APPROVING AND ADOPTING THE 2017 UPDATE OF THE SILICON VALLEY CLEAN WATER CAPITAL IMPROVEMENT PROGRAM PLAN AND CORRESPONDING CEQA CONCLUSIONS

The Resolution carried by Unanimous Roll Call Vote.

ITEM 9

CLOSED SESSION

There was no Closed Session.

ITEM 10

ADJOURN

There being no further business, the meeting adjourned at 8:37 a.m.

Robert Grassilli, Secretary

By: Daniel T. Child, Manager

SVCW WARRANT REGISTER

SVCW Warrant Register dated October 1, 2017 for Retiree Health. A scanned copy was e-mailed to Commissioners on October 5, 2017.

10-01-17

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
FUND RECAP

PAGE 9954

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 9950 THROUGH 9954 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21559 THROUGH 21594 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,

Allyne Lewis 9/26/17

DEPUTY TREASURER

DATE

for Derek Lampone

[Signature]
9/29/2017

10/1/17 (Retiree Health)

7B-2

D.J. Lewis 10-4-17

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
10/01/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FLAHERTY, LISA M.	21559		788.74		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		788.74	12
LEACH, PRESTON L.	21560		172.48		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
REEVES, DENNIS D.	21561		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
REYES, CESAR V.	21562		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SCHIECHL, WARREN	21563		196.21		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		196.21	12
WALSH, WALTER	21564		196.21		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		196.21	12
WIDGER, RICHARD	21565		1,338.78		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
BAKER, ANDREW	21566		1,223.22		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		1,223.22	12
BEWLEY, JAMES B.	21567		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
BOVE, LEONARD F.	21568		605.39		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
BUENROSTRO, BENJAMIN	21569		1,338.78		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
10/01/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BUSCH, JOSEPH A.	21570		172.48		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
CHAPMAN, ROBERT G	21571		905.87		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		905.87	12
DIAZ, CLARA L.	21572		261.76		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		261.76	12
DONALDSON, ROBERT M.	21573		605.39		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
FAZIO, MICHAEL	21574		172.48		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
FORD, LARENCE	21575		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
GERKE, FRED	21576		605.39		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		605.39	12
GROSSO, LORNA	21577		172.48		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
HALL, DAVID A.	21578		1,778.81		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		1,778.81	12
HERNANDEZ, JOHN M.	21579		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
JONES, REGGIE H.	21580		196.21		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		196.21	12

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
10/01/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
KAUFMAN, KENNETH J	21581		172.48		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KELLY, DIANE L.	21582		579.26		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
KERTZ, FELIX J.	21583		172.48		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		172.48	12
KLOKKE, KARL W.	21584		579.26		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		579.26	12
MA, PO KUI	21585		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
MURRAY, GENE RODGER	21586		901.24		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		901.24	12
POSCH, MICHAEL A.	21587		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12
SMITH, JULIE	21588		1,338.78		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		1,338.78	12
SMITH, RAYMOND C.	21589		520.42		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		520.42	12
STORMS, VERNON GARY	21590		772.02		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		772.02	12
SUTER, KATHERINE J.	21591		472.96		
RETIREE MEDICAL PAYMENTS		1017 10/17 RETIREE HEALTH PREMIUM REFUND		472.96	12

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
10/01/17

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
TAYLOR, TERRY M. RETIREE MEDICAL PAYMENTS	21592	1017 10/17 RETIREE HEALTH PREMIUM REFUND	905.87	905.87	12
VON SEEBACH, NANCY RETIREE MEDICAL PAYMENTS	21593	1017 10/17 RETIREE HEALTH PREMIUM REFUND	579.26	579.26	12
WOODSTOCK, CRAIG M. RETIREE MEDICAL PAYMENTS	21594	1017 10/17 RETIREE HEALTH PREMIUM REFUND	472.96	472.96	12
		TOTAL		\$21,508.39	

SVCW WARRANT REGISTER

SVCW Warrant Register

SILICON VALLEY CLEAN WATER
WARRANT REGISTER
10/06/17

NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
REGUS MANAGEMENT GROUP LLC CONSTRUCTION-CONTRACTOR	21595	13124122 OFFICE RENT FOR 10/9/17-10/31/17	8,221.07	2,055.27	20
		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.27	20
		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.26	20
		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.27	20
		TOTAL		\$8,221.07	



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SVCW WARRANT REGISTER

SVCW Warrant Register for the period covering October 7, 2017 to October 20, 2017.
A scanned copy was e-mailed to Commissioners on October 31, 2017.

SILICON VALLEY CLEAN WATER

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FUND RECAP


NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	35,000.00
CAPITAL IMPROVEMENT FUND	14	9,372.50
OPERATION	18	383,487.78
RECYCLED WATER FUND	19	22,584.73
PLANT - CIP BOND	20	2,612,840.08
TOTAL FOR APPROVAL		\$3,063,285.09

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9972 THROUGH 9991 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21678 THROUGH 21781 INCLUSIVE, TOTALING IN THE AMOUNT OF \$3,063,285.09, 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

10/20/17
 DATE

 10/23/2017

10/7/17-10/20/17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
AKELA, ARVIND	21678		1,933.66		
UTILITIES		10202017 REIM-9/17 CELL PHONE EXPENSE		45.00	18
CONF. & TRAV.		10202017B REIM-9/30-10/4/17 TRAVEL EXPENSE; WEFTEC 201		1,888.66	18
ALLIED IRON CO., INC.	21679		384.56		
MACHINERY AND EQUIP MAINT MATE		132027 QTY 2 11 GA GAV SHEET 54X26		384.56	18
ALPHA ANALYTICAL LABORATORIES	21680		1,680.00		
CONTRACT SERV. (NON-MAINT.)		7083226RPSVCW PLANT PERMIT LAB ANALYSIS		840.00	18
		7083241RPSVCW PLANT PERMIT LAB ANALYSIS		840.00	18
AT&T	21681		330.66		
UTILITIES		1007201713719 10/7-11/6/17 MPPS AT&T SERVICE		66.89	18
		1007201713720 10/7-11/6/17 BLPS AT&T SERVICE		66.89	18
		1007201713721 10/7-11/6/17 SCPS AT&T SERVICE		98.44	18
		1007201713722 10/7-11/6/17 RWCPS AT&T SERVICE		98.44	18
AXIAQ, PAUL	21682		303.35		
CONSTRUCTION-CONTRACTOR		10202017 REIM-10/6/17 TRAVEL EXPENSE-ROTARY DRUM THICK		303.35	20
BAY ALARM COMPANY	21683		1,095.06		
CONTRACT SERV. (NON-MAINT.)		14334124 10/1-1/1/18 BURGLAR MONITORING FEE		279.51	18
		14338541 10/1-1/1/18 FIRE MONITORING FEE		815.55	18
BEECHER ENGINEERING	21684		8,528.00		
PROFESSIONAL SERVICES		91748 8/27-9/23/17 T.O.2016-01 AS-NEEDED ELECTRICAL EN		8,528.00	18
BIG JOE HANDLING SYSTEMS	21685		507.87		
MACH & EQUIP MAINT SERVICES		456296 SCHEDULED MTN OF LIFT TRUCK		248.94	18
		456301 SCHEDULED MTN OF LIFT TRUCK		258.93	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BROWN & CALDWELL	21686	11298909 2/24-7/27/17 T.O.2014-06 36" GRAV SEWER PIPEL	682.00	682.00	20
CONTRUCTION-DESIGN					
BROWNING FERRIS INDUSTRIES OF	21687	422700047501 6/17 GRIT HAULING OX MOUNTAIN	470.66	440.78	18
CONTRACT SERV. (NON-MAINT.)		422700047794 7/31/17 ADMINISTRATIVE FEE		9.86	18
		422700048139 8/31/17 ADMINISTRATIVE FEE		10.01	18
		422700048295 9/15/17 ADMINISTRATIVE FEE		10.01	18
BRUEMMER, BRIAN	21688	10202017 REIM-10/12/17 TRAVEL EXPENSE-ROTARY DRUM THIC	215.12	215.12	20
CONTRUCTION-DESIGN					
BUCKLES SMITH ELECTRIC COMPANY	21689	304858300 VARIOUS ELECTRICAL PARTS	885.99	356.27	18
MACHINERY AND EQUIP MAINT MATE		305793600 VARIOUS ELECTRICAL PARTS		264.86	18
MISCELLANEOUS		305793600 VARIOUS ELECTRICAL PARTS		264.86	18
MACHINERY AND EQUIP MAINT MATE					
BURNWORTH, BRUCE	21690	10202017 REIM-9/25/17 TRAVEL EXPENSE - SNWA PROJECT	345.86	345.86	20
CONST.-ADMIN. & LEGAL					
CALIFORNIA DETAILERS, INC.	21691	45077 9/16/17 FLEET VEHICLE ON-SITE WASH	275.00	275.00	18
MACH & EQUIP MAINT SERVICES					
CALIFORNIA ENVIRONMENTAL DEWAT	21692	1351 9/11/17 45300 CED 1004 POLYMER	22,584.73	21,676.05	19
CHEMICAL SUPPLIES		1351 9/11/17 45300 CED 1004 POLYMER		908.68	19
CALIFORNIA SPORTS AND CYCLERY	21693	263292 9/27/17 MAINTENANCE WWTP BICYCLES	359.51	359.51	18
MACHINERY AND EQUIP MAINT MATE					
CALPERS - FISCAL SERVICES DIVI	21694	10202017 10/17 PREFUNDING OPEB	35,000.00	35,000.00	12
RETIREE MEDICAL PAYMENTS					

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CALTEST ANALYTICAL LABORATORY CONTRACT SERV. (NON-MAINT.)	21695	577446 NPDES PERMIT LAB ANALYSIS	894.60	836.10	18
		577731 NPDES PERMIT LAB ANALYSIS		58.50	18
CASCADE INTEGRATION & DEVELOPM CAPITAL	21696	1374 8/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT COD	1,350.00	67.50	14
		1374 8/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT COD		67.50	14
		1374 8/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT COD		67.50	14
		1374 8/17 T.O.2015-04 PUMP STATION PLC REPLACEMENT COD		67.50	14
		1380 QTY 8 REMOTE SCADA SUPPORT, NATE OLSON, SEP2017		1,080.00	18
CDM SMITH INC. CONTRUCTION-DESIGN	21697	90028193 2/26-9/2/17 T.O.2015-03 INFLUENT CONNECTOR PI	5,572.50	2,746.00	20
		90028368 4/2-9/2/17 T.O.2016-06 INFLUENT CONNECTOR PIP		2,826.50	20
CDW GOVERNMENT, INC. MACHINERY AND EQUIP MAINT MATE	21698	JSJ3437 QTY 1 APC BACK-UPS ES 8OUT 550VA GREEN UPS	155.78	70.29	18
		KHD9073 QTY 1 APC BACK UPS ES 600VA 120V 1PT USB		85.49	18
CINTAS CORPORATION NO. 3 SUPPLIES	21699	464765196A 6/27/17 LAUNDRY SERVICE - CHARGE FOR DAMAGE	6,237.82	36.92	18
		464776552A 7/25/17 LAUNDRY SERVICE - CHARGE FOR DAMAGE		23.53	18
		464782221A 8/8/17 LAUNDRY SERVICE - CHARGE FOR DAMAGED		26.74	18
		464793642 9/5/17 LAUNDRY SERVICE		958.69	18
		464796494 9/12/17 LAUNDRY SERVICE		850.41	18
		464799360 9/19/17 LAUNDRY SERVICE		850.41	18
		464802216 9/26/17 LAUNDRY SERVICE		877.58	18
		464805080 10/3/17 LAUNDRY SERVICE		896.68	18
		464807947 10/10/17 LAUNDRY SERVICE		859.18	18
		464810825 10/17/17 LAUNDRY SERVICE		857.68	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
COGSDALE	21700		270,710.00		
CONST.-ADMIN. & LEGAL		CT0003836 COGSDALE SOFTWARE LICENSES ONE TIME CHARGE		270,710.00	20
COLLABORATIVE STRATEGIES CONSU	21701		13,702.50		
CONSTRUCTION-DESIGN		5702SV1017 9/9-10/6/17 T.O.2017-02 LANDSCAPE OF WETLAN		2,047.50	20
		19501SV1017 9/9-10/6/17 T.O.2017-01 PROPERTY ACQUISITI		1,575.00	20
		20601SV0917 7/28-9/8/17 T.O.2016-01 BELMONT FORCE MAIN		2,782.50	20
		20605SV1017 9/9-10/6/17 T.O.2016-05 RCPS REPLACEMENT P		4,095.00	20
		20606SV1017 9/9-10/6/17 T.O.2016-06 MPPS REHABILITATIO		3,202.50	20
COMCAST CORPORATION	21702		2,291.27		
UTILITIES		57571480 THRU 9/30/17 COMCAST PHONE CHARGES		1,844.62	18
		57574987 THRU 9/30/17 COMCAST PHONE CHARGES		446.65	18
COUNTY OF SAN MATEO - AIRPORT	21703		97,300.00		
CONST.-ADMIN. & LEGAL		10222017 11/17 PERMIT#5384-LEASE PMT SAN CARLOS AIRPOR		97,300.00	20
COVELLO GROUP INC., THE	21704		18,562.50		
CONSTRUCTION-CONTRACTOR		201303447 9/17 T.O.2013-02 CONSTRUCTION MGMT FOR C&P S		18,562.50	20
D.W. NICHOLSON CORPORATION	21705		4,050.00		
CONSTRUCTION-CONTRACTOR		8541 8/17 REPLACEMENT OF 90 PIPE ELBOWS		4,050.00	20
DALY, MICK	21706		3,197.50		
CONSTRUCTION-DESIGN		10202017 REIM-8/31-9/12/17 TRAVEL EXPENSE-RESCU PROJEC		1,065.83	20
		10202017 REIM-8/31-9/12/17 TRAVEL EXPENSE-RESCU PROJEC		1,065.84	20
		10202017 REIM-8/31-9/12/17 TRAVEL EXPENSE-RESCU PROJEC		1,065.83	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
DAVID J POWERS AND ASSOCIATES,	21707		17,312.33		
CONSTRUCTION-DESIGN		2017012 8/17 T.O.2017-01 PHASE I CONSTRUCTION MONITORI		5,764.46	20
CONSTRUCTION-CONTRACTOR		2017012 8/17 T.O.2017-01 PHASE I CONSTRUCTION MONITORI		5,764.46	20
CONSTRUCTION-DESIGN		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		318.09	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		3,180.88	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		694.01	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		231.34	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		318.09	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		115.65	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		115.67	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		347.00	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		404.85	20
		20150221 8/17 T.O.2015-02 PROGRAM EIR PREPARATION		57.83	20
DKF SOLUTIONS GROUP, LLC	21708		450.00		
CONTRACT SERV. (NON-MAINT.)		13433 10/2017 MY SAFETY OFFICER-MONTHLY SUBSCRIPTION F		450.00	18
DMJ GAS MARKETING CONSULTANTS,	21709		3,301.25		
UTILITIES		20170109 9/17 COGEN GAS		3,301.25	18
EDGLEY, KIP D.	21710		24,641.28		
CONSTRUCTION-DESIGN		10061709 9/4-9/10/17 SERVICES INSIDE CA, PARTIAL INV P		4,752.00	20
CONSTRUCTION-CONTRACTOR		10091710 9/11-10/1/17 SERVICES INSIDE CA		13,770.00	20
CONSTRUCTION-DESIGN		10061709B 9/4-9/10/17 SERVICES OUTSIDE CA, PARTIAL INV		945.00	20
		10061709C REIM-9/4-10/1/17 TRAVEL EXPENSES		5,120.82	20
MISCELLANEOUS		10061709D 7% NONRESIDENT WITHHOLDING		-332.64	20
CONSTRUCTION-CONTRACTOR		10091710B 9/11-10/1/17 SERVICES OUTSIDE CA		1,350.00	20
MISCELLANEOUS		10091710C 7% NONRESIDENT WITHHOLDING		-963.90	20
ENDRESS+HAUSER, INC	21711		236.64		
SMALL TOOLS		6001912993 QTY 1 TXU10-AA CONFIGURATION KIT		165.09	18
SUPPLIES		6001912993 QTY 1 TXU10-AA CONFIGURATION KIT		71.55	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ENVIRONMENTAL RESOURCE ASSOCIATION SUPPLIES	21712	841985 LAB SUPPLIES, CHEMICALS	890.55	890.55	18
ERS INDUSTRIAL SERVICES, INC. CONSTRUCTION-CONTRACTOR	21713	1POM10874 8/1-9/1/17 PRG PMT#1 FOG,HOT WATER,SLUDGE FL	15,930.79	15,930.79	20
FILTER BELTS MISCELLANEOUS	21714	ME91881 QTY 3 CITRA SOLVE 5 GALLONS	548.74	548.74	18
FINTA ENTERPRISES, INC CONTRACT SERV. (NON-MAINT.)	21715	54517 8/25/17 GRIT HAULING 54517 8/25/17 GRIT HAULING 54616 9/16/17 GRIT HAULING 54616 9/16/17 GRIT HAULING	2,278.62	1,127.50 38.06 1,075.00 38.06	18 18 18 18
FISHER SCIENTIFIC COMPANY, LLC SMALL TOOLS	21716	4119464 LAB SUPPLIES	263.86	263.86	18
FITZGERALD LAW OFFICES CONST.-ADMIN. & LEGAL PROFESSIONAL SERVICES CONST.-ADMIN. & LEGAL	21717	10202017 9/17 PROFESSIONAL SERVICES - LT STRATEGIC REC 10202017B 9/17 GENERAL LEGAL SERVICES 10202017C REIM-9/17 GENERAL LEGAL SERVICE EXPENSES 10202017D 9/17 PROF LEGAL SVCS - 63"FM RELIABILITY IMP 10202017E REIM-9/17 PROF LEGAL SVCS-63"FM RELIAB IMPRV	9,465.90	270.00 4,603.50 181.20 4,230.00 181.20	20 18 18 20 20
FRANK A. OLSEN CO. MISCELLANEOUS	21718	238755 QTY 6 DEZURIK VALVES PEC-04 F1-CI-NBR/NBR-GE W/	3,463.23	3,463.23	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FREYER & LAURETA, INC	21719		9,782.50		
CONTRUCTION-DESIGN		17517 8/17 T.O.2017-02 PUMP STATION VALVE REPLACEMENT		4,551.25	14
		17517 8/17 T.O.2017-02 PUMP STATION VALVE REPLACEMENT		4,551.25	14
CONTRUCTION-DESIGN		17571 8/1-9/30/17 T.O.2014-04 FORCE MAIN ALIGNMENT STU		340.00	20
		17571 8/1-9/30/17 T.O.2014-04 FORCE MAIN ALIGNMENT STU		340.00	20
GRAINGER	21720		3,496.39		
MISCELLANEOUS		9562940719 RESTOCK ITEMS		58.11	18
		9562940719 RESTOCK ITEMS		97.48	18
		9562940719 RESTOCK ITEMS		83.78	18
		9562940719 RESTOCK ITEMS		11.55	18
		9562940719 RESTOCK ITEMS		111.80	18
		9562940719 RESTOCK ITEMS		21.10	18
		9562940719 RESTOCK ITEMS		91.12	18
		9562940719 RESTOCK ITEMS		234.03	18
		9562940719 RESTOCK ITEMS		118.16	18
		9562940719 RESTOCK ITEMS		82.05	18
SMALL TOOLS		9568609466 RESTOCK ITEMS		137.04	18
SUPPLIES		9568609466 RESTOCK ITEMS		132.02	18
MACHINERY AND EQUIP MAINT MATE		9568609466 RESTOCK ITEMS		85.92	18
		9569532717 RESTOCK ITEMS		388.17	18
		9570381260 RESTOCK ITEMS		129.39	18
		9572408269 RESTOCK ITEMS		79.61	18
		9578386733 RESTOCK ITEMS		1,584.64	18
		9578386733 RESTOCK ITEMS		50.42	18
HACH COMPANY	21721		499.36		
SUPPLIES		10510295 QTY 5 BUFFER SOLUTIONS, QTY 5 TITRAVER, QTY 1		56.93	18
		10510295 QTY 5 BUFFER SOLUTIONS, QTY 5 TITRAVER, QTY 1		89.45	18
		10510295 QTY 5 BUFFER SOLUTIONS, QTY 5 TITRAVER, QTY 1		113.37	18
SMALL TOOLS		10510295 QTY 5 BUFFER SOLUTIONS, QTY 5 TITRAVER, QTY 1		239.61	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
HAMAMOTO, MONTE	21722		117.43		
CONF. & TRAV.		10202017 REIM-9/25-9/28/17 TRAVEL EXPENSE-TRI-STATE SE		117.43	18
HARRINGTON INDUST PLASTICS	21723		2,809.51		
MACHINERY AND EQUIP MAINT MATE		3L3902 PLUMBING SUPPLIES		1,823.22	18
MISCELLANEOUS		3L3903 PLUMBING SUPPLIES		37.19	18
		3L3903 PLUMBING SUPPLIES		73.54	18
		3L3903 PLUMBING SUPPLIES		124.41	18
MACHINERY AND EQUIP MAINT MATE		3L3985 PLUMBING SUPPLIES		751.15	18
HERC RENTALS INC.	21724		1,627.99		
SUPPLIES		29577830001 QTY 2 FUEL INJECTOR		286.55	18
MISCELLANEOUS		29577830001 QTY 2 FUEL INJECTOR		286.56	18
		29593019001 10/5/17 RENTAL EQUIPMENT-PUMP SUBMERSIBLE		1,054.88	18
HOPKINS TECHNICAL PRODUCTS, IN	21725		7,174.65		
MISCELLANEOUS		3617301147 QTY 50 DIAPHRAGM CAP		7,174.65	18
HUBBARD, JEFF	21726		834.78		
CONF. & TRAV.		10202017 REIM-9/25-9/28/17 TRAVEL EXPENSE-TRI-STATE SE		834.78	18
SUPPLIES		10202017 REIM-9/25-9/28/17 TRAVEL EXPENSE-TRI-STATE SE		-203.49	18
CONST.-ADMIN. & LEGAL		10202017 REIM-9/25-9/28/17 TRAVEL EXPENSE-TRI-STATE SE		203.49	20

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HUFFSTUTLER, ROBERT	21727		2,664.66		
CONTRUCTION-DESIGN		10202017B REIM-8/29-9/8/17 TRAVEL EXPENSE-BRIGHTWATER/		345.20	20
		10202017B REIM-8/29-9/8/17 TRAVEL EXPENSE-BRIGHTWATER/		345.20	20
		10202017B REIM-8/29-9/8/17 TRAVEL EXPENSE-BRIGHTWATER/		345.20	20
		10202017C REIM-8/26-9/1/17 TRAVEL EXPENSE-OCSD VISIT F		224.55	20
		10202017C REIM-8/26-9/1/17 TRAVEL EXPENSE-OCSD VISIT F		224.55	20
		10202017C REIM-8/26-9/1/17 TRAVEL EXPENSE-OCSD VISIT F		224.55	20
		10202017D REIM-8/31-9/13/17 TRAVEL EXPENSE-D.C. WATER		318.47	20
		10202017D REIM-8/31-9/13/17 TRAVEL EXPENSE-D.C. WATER		318.47	20
		10202017D REIM-8/31-9/13/17 TRAVEL EXPENSE-D.C. WATER		318.47	20
INTUITIVE TACTICAL CONSULTING	21728		70,652.75		
PROFESSIONAL SERVICES		1001 IT SUPPORT SERVICE - MANAGED SECURITY SERVICES		40,000.00	18
		1002 IT SUPPORT SERVICE - SOFTWARE UPGRADES		26,500.00	18
MACH & EQUIP MAINT SERVICES		1003 IT SUPPORT SERVICE - AEROHIVE NETWORKS INC SUPPOR		4,152.75	18
JENTECH SERVICES	21729		5,883.60		
MACH & EQUIP MAINT SERVICES		2240 9/15-9/27/17 INSTRUMENT CALIBRATION		816.00	18
		2240 9/15-9/27/17 INSTRUMENT CALIBRATION		3,366.00	18
		2240 9/15-9/27/17 INSTRUMENT CALIBRATION		1,701.60	18
JHS CONSULTING, LLC	21730		7,642.12		
CONTRUCTION-DESIGN		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		420.32	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		4,203.17	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		917.05	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		305.68	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		420.32	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		152.84	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		152.84	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		458.53	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		534.95	20
		2017023 7/1-8/31/17 T.O.2017-02 SRF & PERMITTING SUPPO		76.42	20

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KELLER CANYON LANDFILL CO.	21731		733.97		
CONTRACT SERV. (NON-MAINT.)		4212000026220 8/31/17 SEWER GRIT SCR N DRYING BED HAULI		677.87	18
		4212000026220 8/31/17 SEWER GRIT SCR N DRYING BED HAULI		36.60	18
		4212000026220 8/31/17 SEWER GRIT SCR N DRYING BED HAULI		3.25	18
		4212000026220 8/31/17 SEWER GRIT SCR N DRYING BED HAULI		16.25	18
KENNEDY/JENKS CONSULTANTS, INC	21732		1,320.00		
CONTRUCTION-DESIGN		115929 THRU 9/29/17 T.O.2015-05 DUAL MEDIA FILTERS 6A&		1,320.00	20
KRAMER WORKPLACE INVESTIGATION	21733		4,545.00		
PROFESSIONAL SERVICES		9292017 8/30-9/26/17 PERSONNEL INVESTIGATION		4,545.00	18
MADCO WELDING SUPPLY CO	21734		35.00		
RENTAL/LEASES		1052 9/18/17 CYLINDER RENTAL		35.00	18
MARINA MECHANICAL	21735		1,505.87		
MACH & EQUIP MAINT SERVICES		89138 9/7/17 MAINTENANCE LABOR & PARTS		1,455.50	18
		89138 9/7/17 MAINTENANCE LABOR & PARTS		50.37	18
MENLO PARK FIRE PROTECTION DIS	21736		579.00		
ADMINISTRATIVE EXPENSES		AR2618 HAZARDOUS MATERIALS ANNUALPERMIT-1401 MARSH ROA		579.00	18
MENLO PARK, CITY OF	21737		232.01		
UTILITIES		927201735494 8/22-9/21/17 MPPS WATER SERVICE		232.01	18
NAVIA BENEFIT SOLUTIONS	21738		185.00		
ADMINISTRATIVE EXPENSES		10104558 9/2017 PARTICIPANT FEE		185.00	18
NETWORK INNOVATIONS US INC	21739		1,132.34		
MACH & EQUIP MAINT SERVICES		7081173405 8/17 NETWORK INNOVATION SERVICE		1,132.34	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
NEWARK ELEMENT14 SUPPLIES	21740	29472867 QTY 2 FAN FILTER	33.69	33.69	18
NEXLEVEL INFORMATION TECHNOLOG CONST.-ADMIN. & LEGAL	21741	20170932 9/17 ERP PROCUREMENT	175.00	175.00	20
OFFICE DEPOT OFFICE SUPPLIES	21742	967554616001 OFFICE SUPPLIES 969463683001 OFFICE SUPPLIES	616.37	392.54 223.83	18 18
PACIFIC GAS & ELECTRIC COMPANY CONST.-ADMIN. & LEGAL	21743	807201728041 8/7/17 TEMPORARY SVCS - SVCW TUNNEL BORIN	56,021.34	56,021.34	20
PACIFIC GAS AND ELECTRIC COMPA UTILITIES	21744	76742725 8/17 DEPARTING LOAD 920201719225 8/15-9/13/17 SCPS ELECTRIC 920201788673 8/16-9/14/17 BLPS ELECTRIC 920201790892 8/16-9/14/17 1406 PLANT GAS & ELECTRIC 1002201703894 8/25-9/25/17 RCPS ELECTRIC LYNGSO 1002201726195 8/25-9/25/17 RCPS ELECTRIC 1002201783066 8/28-9/26/17 PLANT ELECTRIC 1003201726195 8/24-9/22/17 MPPS ELECTRIC 1003201765919 8/31-9/30/17 PLANT GAS 1013201723701 9/15-10/13/17 PLANT GAS	126,599.30	12,851.62 5,561.28 2,755.24 657.40 23.55 10,699.94 85,204.14 6,298.19 858.32 1,689.62	18 18 18 18 18 18 18 18 18 18
PAN-PACIFIC SUPPLY CO. MISCELLANEOUS	21745	29597070 QTY 1 IMPELLER WITH WEAR RING CCW ROTATION AN	8,043.13	8,043.13	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
PENINSULA BATTERY, INC.	21746		2,172.38		
MACHINERY AND EQUIP MAINT MATE		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		91.70	18
		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		45.85	18
		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		382.56	18
		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		367.58	18
		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		20.00	18
		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		4.00	18
		122950 QTY 6 BATTERIES 6V 12AH SLA, QTY 4 9D BATTERY		180.00	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		4.00	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		91.70	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		91.70	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		257.76	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		257.76	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		257.77	18
		123002 QTY 10 6V 12AH SLA BATTERIES, QTY 6 3EE BATTERI		120.00	18
PETERSON POWER SYSTEMS INC	21747		131.82		
MACHINERY AND EQUIP MAINT MATE		PC040258915 QTY 2 GASKET KITS		131.82	18
PRAXAIR DISTRIBUTION INC	21748		276.36		
SUPPLIES		79116075 QTY 2 CARBON DIOXIDE AND NITROGEN GAS CYLINDE		276.36	18
QPCS LLC	21749		17,424.60		
PROFESSIONAL SERVICES		14000 5/31/17 ON SITE TECHNICAL SUPPORT DOOR REPAIR		824.60	18
		14133 6/26/17 ON SITE TECHNICAL SUPPORT DOOR REPAIR		650.00	18
MACH & EQUIP MAINT SERVICES		14468 QUARTERLY MAINTENANCE AGREEMENT FOR 24/7 REMOTE		15,950.00	18
R & B COMPANY	21750		334.88		
MACHINERY AND EQUIP MAINT MATE		S1681167001 PLUMBING SUPPLIES		126.09	18
		S1681167001 PLUMBING SUPPLIES		45.66	18
		S1686912001 PLUMBING SUPPLIES		163.13	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
RECOLOGY PENINSULA SERVICES	21751		895.00		
RENTAL/LEASES		65015 9/13/17 20 YD DEBRIS BOX		895.00	18
REDWOOD CITY, CITY OF - FINANC	21752		11,783.62		
PROFESSIONAL SERVICES		BR46043 9/17 ACCOUNTING SERVICES		11,498.16	18
MACH & EQUIP MAINT SERVICES		BR45850 7/16-8/15/17 VEHICLE REPAIR/MTN CHARGES		180.98	18
SUPPLIES		BR45860 7/16-8/15/17 FUEL CHARGES		104.48	18
REDWOOD CITY, CITY OF - WATER	21753		4,043.25		
UTILITIES		928201706774 8/28-9/28/17 RCPS WATER		163.78	18
		928201719903 8/28-9/28/17 1406 RADIO RD WATER/SEWER/GA		218.37	18
		928201719929 8/28-9/28/17 1406 RADIO RD FIRE SVC		96.00	18
		928201786984 8/28-9/28/17 PLANT WATER/GARBAGE		3,565.10	18
REGUS MANAGEMENT GROUP LLC	21754		11,080.57		
CONST.-ADMIN. & LEGAL		13124291 11/1-11/30/17 OFFICE RENT		11,080.57	20
ROSAS, DAVID	21755		127.51		
TRAINING		10202017 REIM-8/27-8/30/17 TRAVEL EXPENSE-HACH WIMS US		127.51	18
RSCA	21756		655.00		
CONST.-ADMIN. & LEGAL		171011 10/3/17 FULL PAGE LEFT INTERIOR COLOR AD		655.00	20
SAN MATEO COUNTY ENVIRONMENTAL	21757		5,813.00		
ADMINISTRATIVE EXPENSES		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		4,108.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		370.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		49.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		78.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		828.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		26.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		20.00	18
		296651 10/1/2017 STORMWATER ANNUAL FEE - INSP FREQ EVE		334.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SAN MATEO COUNTY TAX COLLECTOR	21758		2,586.18		
ADMINISTRATIVE EXPENSES		335543 FY17-18 PROPERTY TAX-PARCEL#057-133-010		3.74	18
		335544 FY17-18 PROPERTY TAX-PARCEL#057-133-020		3.74	18
		335545 FY17-18 PROPERTY TAX-PARCEL#057-133-030		1,283.74	18
		335546 FY17-18 PROPERTY TAX-PARCEL#057-133-040		3.74	18
		335547 FY17-18 PROPERTY TAX-PARCEL#057-133-050		1,283.74	18
		335548 FY17-18 PROPERTY TAX-PARCEL#057-133-080		3.74	18
		390519 FY17-18 PROPERTY TAX-PARCEL#095-012-070		3.74	18
SANDUL, DUANE	21759		3,700.00		
CONTRUCTION-DESIGN		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		40.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		20.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		120.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		1,100.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		80.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		240.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		40.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		110.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		110.00	20
		20B 8/17-9/17 T.O.2016-01 CONVEYANCE SYST-PUBLIC INFO		140.00	20
PROFESSIONAL SERVICES		9SVCW2017 9/2017 PROFESSIONAL SERVICES		1,700.00	18
SCBA SAFETY CHECK, INC.	21760		352.00		
MACH & EQUIP MAINT SERVICES		9092 ANNUAL TESTING OF SCBA'S		352.00	18
SIERRA RESEARCH INC	21761		3,562.50		
CONTRUCTION-DESIGN		1168089 8/29-9/27/17 INITIAL DISCUSSION WITH BAAQMD		3,562.50	20
SINGH CAPITAL MANAGEMENT, LLC	21762		5,625.00		
CONST.-ADMIN. & LEGAL		SCMINVSVCW01 10/9/17 ANALYSIS OF INFOR EAM SYSTEM		5,625.00	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
SOLENIS LLC	21763		2,839.03		
CHEMICAL SUPPLIES		131217763 QTY 1 PRAESTOL A 3050 ASHLAND POLYMER L IBC		2,839.03	18
STATE WATER RESOURCES CONTROL	21764		1,888,096.89		
MISCELLANEOUS		9152017 10/31/17 SRF DEBT SERVICE PAYMENT-WWTP PHASE1-		1,393,498.93	20
INTEREST EXPENSES		9152017B 10/31/17 SRF DEBT SERVICE PAYMENT-WWTP PHASE1		494,597.96	20
STEVEN ENGINEERING INC.	21765		277.10		
MACHINERY AND EQUIP MAINT MATE		245246500 QTY 2 MODULE PHOENIX MINI POWER SUPPLY-10-42		238.38	18
		245479003 QTY 5 IDEC SU SPRING CLAMP		38.72	18
TANNER PACIFIC, INC.	21766		132,398.21		
CONTRUCTION-DESIGN		217081 9/24-10/7/17 T.O.2017-07 CONSTRUCTION MGMT - VA		132,398.21	20
THATCHER COMPANY OF CALIFORNIA	21767		7,815.91		
CHEMICAL SUPPLIES		246104 9/18/17 44640 LB TRIOXYN		7,815.91	18
TOTAL COMPENSATION SYSTEMS INC	21768		3,780.00		
PROFESSIONAL SERVICES		5627 9/12/17 GASB75 VALUATION SVCS - 2ND INSTALLMENT		1,890.00	18
		5680 10/2/17 GASB45 VALUATION SVCS		1,890.00	18
TOYOTA MATERIAL HANDLING	21769		473.32		
MISCELLANEOUS		C34878 QTY 1 SEAT SWITCH, QTY 4 CARLISLE WHEEL TIRES 7		29.80	18
		C34878 QTY 1 SEAT SWITCH, QTY 4 CARLISLE WHEEL TIRES 7		443.52	18
U.S. HEALTHWORKS MEDICAL GROUP	21770		228.00		
PROFESSIONAL SERVICES		3200473CA 9/22/17 PRE-EMPLOYMENT PHYSICAL - VISHWA R		228.00	18
UNDERGROUND SERVICE ALERT OF N	21771		682.73		
CONTRACT SERV. (NON-MAINT.)		17070772 2017 MEMBERSHIP FEE		682.73	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
UNIVAR USA INC.	21772		33,522.29		
CONSTRUCTION-CONTRACTOR		SJ838056 9/10/17 4076 GAL SOD HYPO		540.78	20
CHEMICAL SUPPLIES		SJ838056 9/10/17 4076 GAL SOD HYPO		1,622.36	18
		SJ838523 9/13/17 4080 GAL SOD HYPO		1,623.95	18
CONSTRUCTION-CONTRACTOR		SJ838523 9/13/17 4080 GAL SOD HYPO		541.31	20
CHEMICAL SUPPLIES		SJ838645 9/13/17 4380.523 GAL SOD BISULFITE		2,167.54	18
CONSTRUCTION-CONTRACTOR		SJ838645 9/13/17 4380.523 GAL SOD BISULFITE		4,025.42	20
		SJ839486 9/15/17 4000 GAL SOD HYPO		530.70	20
CHEMICAL SUPPLIES		SJ839486 9/15/17 4000 GAL SOD HYPO		1,592.10	18
CONSTRUCTION-CONTRACTOR		SJ839554 9/17/17 4000 GAL SOD HYPO		530.70	20
CHEMICAL SUPPLIES		SJ839554 9/17/17 4000 GAL SOD HYPO		1,592.10	18
CONSTRUCTION-CONTRACTOR		SJ839775 9/18/17 4077 GAL SOD HYPO		540.91	20
CHEMICAL SUPPLIES		SJ839775 9/18/17 4077 GAL SOD HYPO		1,622.75	18
CONSTRUCTION-CONTRACTOR		SJ840490 9/21/17 3998 GAL SOD HYPO		530.43	20
CHEMICAL SUPPLIES		SJ840490 9/21/17 3998 GAL SOD HYPO		1,591.31	18
CONSTRUCTION-CONTRACTOR		SJ840876 9/24/17 4496 GAL SOD HYPO		596.51	20
CHEMICAL SUPPLIES		SJ840876 9/24/17 4496 GAL SOD HYPO		1,789.52	18
CONSTRUCTION-CONTRACTOR		SJ840953 9/26/17 4078 GAL SOD HYPO		541.05	20
CHEMICAL SUPPLIES		SJ840953 9/26/17 4078 GAL SOD HYPO		1,623.14	18
CONSTRUCTION-CONTRACTOR		SJ841731 9/29/17 4081 GAL SOD HYPO		541.44	20
CHEMICAL SUPPLIES		SJ841731 9/29/17 4081 GAL SOD HYPO		1,624.34	18
CONSTRUCTION-CONTRACTOR		SJ842140 10/1/17 2999 GAL SOD HYPO		397.89	20
CHEMICAL SUPPLIES		SJ842140 10/1/17 2999 GAL SOD HYPO		1,193.67	18
		SJ842290 10/2/17 4358 GAL SOD BISULFITE		2,156.83	18
CONSTRUCTION-CONTRACTOR		SJ842290 10/2/17 4358 GAL SOD BISULFITE		4,005.54	20
		SJ835877A 8/30/17 INV SJ835877 SOD HYPO GL NO CORRECTI		548.76	20
CHEMICAL SUPPLIES		SJ835877A 8/30/17 INV SJ835877 SOD HYPO GL NO CORRECTI		-548.76	18
		SJ835891A 8/30/17 INV SJ835891 SOD HYPO GL NO CORRECTI		-596.77	18
CONSTRUCTION-CONTRACTOR		SJ835891A 8/30/17 INV SJ835891 SOD HYPO GL NO CORRECTI		596.77	20
		SJ836579A 9/5/17 INV SJ836579 SOD BISULFITE GL NO CORR		4,038.69	20
CHEMICAL SUPPLIES		SJ836579A 9/5/17 INV SJ836579 SOD BISULFITE GL NO CORR		-4,038.69	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
UNIVAR USA INC.	21773		0.00		
CHEMICAL SUPPLIES		SJ836789A 9/6/17 INV SJ836789 SOD HYPO GL NO CORRECTIO		-596.90	18
CONSTRUCTION-CONTRACTOR		SJ836789A 9/6/17 INV SJ836789 SOD HYPO GL NO CORRECTIO		596.90	20
CHEMICAL SUPPLIES		SJ836846A 9/6/17 INV SJ836846 SOD HYPO GL NO CORRECTIO		-397.63	18
CONSTRUCTION-CONTRACTOR		SJ836846A 9/6/17 INV SJ836846 SOD HYPO GL NO CORRECTIO		397.63	20
CHEMICAL SUPPLIES		SJ837678A 9/11/17 INV SJ837678 SOD HYPO GL NO CORRECTI		-636.44	18
CONSTRUCTION-CONTRACTOR		SJ837678A 9/11/17 INV SJ837678 SOD HYPO GL NO CORRECTI		636.44	20
VALLEY OIL COMPANY	21774		130.50		
MACHINERY AND EQUIP MAINT MATE		39480 10/5/17 EMPTY DRUMS 55 GALLONS		130.50	18
VALLEY OIL COMPANY (VEHICLE FU	21775		2,051.78		
SUPPLIES		476964 9/1-9/11/17 FUEL CHARGES COMPANY VEHICLES		1,157.82	18
		478356 9/12-9/30/17 FUEL CHARGES COMPANY VEHICLES		893.96	18
VWR INTERNATIONAL, LLC	21776		1,935.52		
SUPPLIES		8049833064 LAB SUPPLIES		168.00	18
MISCELLANEOUS		8080003786 LAB SUPPLIES		488.20	18
SUPPLIES		8080046307 LAB SUPPLIES		76.08	18
		8080049970 LAB SUPPLIES		105.50	18
		8080049971 LAB SUPPLIES		10.89	18
		8080054871 LAB SUPPLIES		73.74	18
SMALL TOOLS		8080056799 LAB SUPPLIES		297.84	18
		8080056799 LAB SUPPLIES		343.95	18
MISCELLANEOUS		8080060954 LAB SUPPLIES		371.32	18
WANDRO, ROBERT	21777		77.64		
UTILITIES		10202017 REIM-9/17 CELL PHONE EXPENSE		45.00	18
TRAINING		10202017B REIM-9/27/17 MILEAGE REIMBURSEMENT, ELAP TNI		32.64	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WATKINS AND ASSOCIATES	21778		3,600.00		
TRAINING		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		642.86	18
		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		900.00	18
		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		128.57	18
		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		128.57	18
		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		128.57	18
		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		1,028.57	18
		201700142 7/14/17 WAA PROPOSAL - EMO TRAINING		642.86	18
WESTERN ENERGY SYSTEMS	21779		17,973.36		
MACH & EQUIP MAINT SERVICES		3802954 9/17 LTSA SERVICE AGREEMENT UNIT 1		8,776.80	18
		3802955 9/17 LTSA SERVICE AGREEMENT UNIT 2		9,196.56	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WRA ENVIRONMENTAL CONSULTANTS CONTRUCTION-DESIGN	21780		3,370.50		
		201711630532 8/17 T.O.2015-03 BIOLOGICAL & PERMIT SVCS		224.40	20
		201711630532 8/17 T.O.2015-03 BIOLOGICAL & PERMIT SVCS		224.40	20
		201711630532 8/17 T.O.2015-03 BIOLOGICAL & PERMIT SVCS		224.40	20
		201711630532 8/17 T.O.2015-03 BIOLOGICAL & PERMIT SVCS		224.40	20
		201711630532 8/17 T.O.2015-03 BIOLOGICAL & PERMIT SVCS		224.40	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		70.37	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		153.54	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		51.18	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		70.37	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		89.55	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		25.59	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		25.59	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		76.77	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		12.81	20
		201711830533 8/17 T.O.2016-01 BIOLOGICAL & PERMIT SVCS		703.73	20
		201711930642 8/17 T.O.2016-02 2017 CA RIDGWAY RAIL SUR		145.35	20
		201711930642 8/17 T.O.2016-02 2017 CA RIDGWAY RAIL SUR		532.95	20
		201711930642 8/17 T.O.2016-02 2017 CA RIDGWAY RAIL SUR		145.35	20
		201711930642 8/17 T.O.2016-02 2017 CA RIDGWAY RAIL SUR		145.35	20
WREGIS UTILITIES	21781		136.19		
		W839 3/10/17 ANNUAL FEE - LOADING SERVING ENTITIES/CRE		136.19	18
		TOTAL		\$3,063,285.09	

SVCW WARRANT REGISTER

SVCW Warrant Register for the period covering August 27, 2017 to September 22, 2017. A scanned copy was e-mailed to Commissioners on October 5, 2017.

SILICON VALLEY CLEAN WATER

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FUND RECAP

NAME	FUND	AMOUNT
RETIREE HEALTH INSUR. FD.	12	35,000.00
CAPITAL IMPROVEMENT FUND	14	161,384.36
OPERATION	18	270,967.71
RECYCLED WATER FUND	19	22,506.20
PLANT - CIP BOND	20	513,906.97
TOTAL FOR APPROVAL		\$1,003,765.24

[Handwritten Signature]
 9/24/2017

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9935 THROUGH 9949 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21467 THROUGH 21558 INCLUSIVE, TOTALING IN THE AMOUNT OF \$1,003,765.24, 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,

[Handwritten Signature]
 DEPUTY TREASURER

9, 21, 17
 DATE

8/27/17-9/22/17

7B-2

[Handwritten Signature] 10-4-17

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
DNS STRATEGIC PARTNERS, LLC CONSTRUCTION-DESIGN	21467		31,500.00		
		17200101 8/17 PROFESSIONAL CONSULTING - VARIOUS PROJEC		25,000.00	20
		17200101B 8/17 T.O.2017-01 PROF CONSULTING SVCS - VARI		6,500.00	20
ACE AMERICAN INSURANCE COMPANY CONST.-ADMIN. & LEGAL	21468		1,076.79		
		1116370 THRU 8/1/17 REIMB FOR W/C		14.34	20
		1122100 THRU 9/1/17 REIMB FOR W/C		1,062.45	20
AIRGAS USA, LLC RENTAL/LEASES	21469		301.97		
		9947712738 8/17 CYLINDER RENTAL GASES		301.97	18
AKELA, ARVIND UTILITIES MEMB. & MEET.	21470		132.59		
		9222017 REIM- 7/17-8/17 CELL PHONE EXPENSE		90.00	18
		9222017B REIM-8/30/17 TRAVEL EXPENSE CWEA AC18 PLANNIN		42.59	18
ALHAMBRA & SIERRA SPRINGS SUPPLIES	21471		206.78		
		5056091090117 BOTTLED WATER SERVICE		206.78	18
ALLIED IRON CO., INC. MACHINERY AND EQUIP MAINT MATE	21472		137.66		
		131932 QTY 1 .25" X .5" CR1018 BAR X 10'		45.89	18
		131952 QTY 2 .25" X .5" CR1018 BAR X 12'		91.77	18
ALPHA ANALYTICAL LABORATORIES CONTRACT SERV. (NON-MAINT.)	21473		1,945.00		
		7083728RPSVCW PLANT PERMIT LAB ANALYSIS		70.00	18
		7083759RPSVCW SAN CARLOS LAB ANALYSIS		155.00	18
		7083760RPSVCW LAB ANALYSIS		840.00	18
		7091083RPSVCW PLANT PERMIT LAB ANALYSIS		775.00	18
		7091181RPSVCW SAN CARLOS LAB ANALYSIS		35.00	18
		7091233RPSVCW PLANT PERMIT LAB ANALYSIS		70.00	18
ASSOCIATED POWER SOLUTIONS MACH & EQUIP MAINT SERVICES	21474		2,944.00		
		S171241 ANNUAL PREVENTIVE MAINTENANCE FOR PLANT ELECTR		2,944.00	18

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AT&T	21475		331.26		
UTILITIES		907201701511 9/7-10/6/17 SCPS AT&T SERVICE		66.89	18
		907201715339 9/7-10/6/17 RWCPs AT&T SERVICE		98.74	18
		907201724836 9/7-10/6/17 MPPS AT&T SERVICE		98.74	18
		907201796059 9/7-10/6/17 BLPS AT&T SERVICE		66.89	18
BAY AREA NEWS GROUP - EAST BAY CONST.-ADMIN. & LEGAL	21476		533.01		
		1075550 8/8/17 NOTICE TO CONTRACTOR'S PUBLICATION		533.01	20
BRYAN, WILLIAM CONF. & TRAV. CONSTRUCTION-DESIGN	21477		3,270.22		
		9222017 REIM-5/25-8/15/17 BREAKTHROUGH TUNNELING SHORT		1,643.02	18
		9222017B REIM-8/31-9/8/17 OCSD & SEATTLE RLS- BRIGHT W		1,627.20	20
BUCKLES SMITH ELECTRIC COMPANY MACHINERY AND EQUIP MAINT MATE	21478		4,707.09		
		304555900 VARIOUS ELECTRICAL PARTS		40.13	18
		304555900 VARIOUS ELECTRICAL PARTS		2.00	18
		304555900 VARIOUS ELECTRICAL PARTS		2.07	18
		304555900 VARIOUS ELECTRICAL PARTS		610.73	18
		304555900 VARIOUS ELECTRICAL PARTS		736.13	18
		304555900 VARIOUS ELECTRICAL PARTS		718.05	18
		304555900 VARIOUS ELECTRICAL PARTS		637.35	18
		304555900 VARIOUS ELECTRICAL PARTS		610.85	18
		304555900 VARIOUS ELECTRICAL PARTS		49.44	18
CONSTRUCTION-CONTRACTOR		304874205 VARIOUS ELECTRICAL PARTS		195.56	20
MACHINERY AND EQUIP MAINT MATE		305243900 VARIOUS ELECTRICAL PARTS		270.43	18
MACH & EQUIP MAINT SERVICES		305292000 VARIOUS ELECTRICAL PARTS		278.12	18
SUPPLIES		305292000 VARIOUS ELECTRICAL PARTS		556.23	18
BURNWORTH, BRUCE CONST.-ADMIN. & LEGAL	21479		1,379.55		
		9222017 REIM-9/8-9/12/17 TRAVEL EXPENSES MEETING W/ BA		1,379.55	20

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C H BULL COMPANY MACHINERY AND EQUIP MAINT MATE	21480	1196960 QTY 1 RIDGID DRAIN CLEANER POWER-SPIN	53.96	53.96	18
C.W.E.A. - SCVS TRAINING	21481	9222017 CWEA SCVS LABORATORY TRAINING CLASS FOR CHIEN,	210.00	210.00	18
CALIFORNIA DETAILERS, INC. MACH & EQUIP MAINT SERVICES	21482	44977 9/3/17 FLEET VEHICLE ON-SITE WASH	275.00	275.00	18
CALIFORNIA ENVIRONMENTAL DEWAT CHEMICAL SUPPLIES	21483	1348 8/17/17 45200 CED 1004 POLYMER 1348 8/17/17 45200 CED 1004 POLYMER	22,506.20	21,628.20 878.00	19 19
CALPERS - FISCAL SERVICES DIVI RETIREE MEDICAL PAYMENTS	21484	9222017 9/17 PREFUNDING OPEB	35,000.00	35,000.00	12
CALTEST ANALYTICAL LABORATORY CONTRACT SERV. (NON-MAINT.)	21485	576611 NPDES PERMIT LAB ANALYSIS	838.44	838.44	18
CASCADE INTEGRATION & DEVELOPM CONSTRUCTION-DESIGN	21486	1358 8/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION 1358 8/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION 1358 8/17 T.O.2016-01 SOLIDS PROCESSING AUTOMATION	4,725.00	1,575.00 1,575.00 1,575.00	20 20 20
COLLABORATIVE STRATEGIES CONSU CONSTRUCTION-DESIGN	21487	4702SV0917 7/28-9/8/17 T.O.2017-02 LANDSCAPE OF WETLAN 19605SV0917 7/28-9/8/17 T.O.2016-05 RWCPS REPLACEMENT 19606SV0917 7/28-9/8/17 T.O.2016-06 MPPS REHABILITATIO	11,655.00	3,150.00 4,830.00 3,675.00	20 20 20
COMCAST CORPORATION UTILITIES	21488	56612750 THRU 8/31/17 COMCAST PHONE CHARGES 56616214 THRU 8/31/17 COMCAST PHONE CHARGES	7,722.85	7,310.57 412.28	18 18

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COUNTY OF SAN MATEO - AIRPORT CONST.-ADMIN. & LEGAL	21489	9222017 10/17 PERMIT#5384-LEASE PMT SAN CARLOS AIRPORT	97,300.00	97,300.00	20
COVELLO GROUP INC., THE CONSTRUCTION-CONTRACTOR	21490	201303444 6/17 T.O.2013-02 CONSTRUCTION MGMT FOR C&P S	16,062.50	7,562.50	20
		201303445 7/17 T.O.2013-02 CONSTRUCTION MGMT FOR C&P S		8,500.00	20
D.W. NICHOLSON CORPORATION CONSTRUCTION-CONTRACTOR	21491	2POM10856 8/17 PRG PMT#2 PS VALVE REPLACEMENT	111,264.36	55,632.18	14
		2POM10856 8/17 PRG PMT#2 PS VALVE REPLACEMENT		55,632.18	14
DENCO CONTROLS INC. MACHINERY AND EQUIP MAINT MATE	21492	18049 QTY 2 PRESSURE GAUGE PSI 0-100	106.00	106.00	18
DKF SOLUTIONS GROUP, LLC CONTRACT SERV. (NON-MAINT.)	21493	13384 9/2017 MY SAFETY OFFICER-MONTHLY SUBSCRIPTION FE	450.00	450.00	18
DMJ GAS MARKETING CONSULTANTS, UTILITIES	21494	20170108 8/17 COGEN GAS	3,588.67	3,588.67	18
EAST BAY MUNICIPAL UTILITY DIS MEMB. & MEET. TRAINING	21495	EBMBDO01156 BILLING FOR FY18 BACWA MEMBERSHIP AND SPEC	69,590.00	57,590.00	18
		EBMBDO01156 BILLING FOR FY18 BACWA MEMBERSHIP AND SPEC		12,000.00	18
EDGLEY, KIP D. CONSTRUCTION-DESIGN	21496	9041708 8/7-9/3/17 SERVICES INSIDE CA	19,232.30	13,662.00	20
		9041708B 8/7-9/3/17 SERVICES OUTSIDE CA		2,362.50	20
		9041708C REIM-8/7-9/3/17 TRAVEL EXPENSES		4,164.14	20
MISCELLANEOUS		9041708D 7% NONRESIDENT WITHHOLDING		-956.34	20

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ERS INDUSTRIAL SERVICES, INC. CONSTRUCTION-CONTRACTOR	21497		144,402.28		
		17POM10604 7/17 PRG PMT#17 PRIMARY SEDIMENTATION TANK		72,201.14	20
		17POM10604 7/17 PRG PMT#17 PRIMARY SEDIMENTATION TANK		72,201.14	20
FASTENAL COMPANY SUPPLIES MISCELLANEOUS MACHINERY AND EQUIP MAINT MATE	21498		5,344.82		
		CASAA54236 VENDOR MANAGED RESTOCK		3,350.46	18
		CASAA54628 VENDOR MANAGED RESTOCK		214.11	18
		CASAA54628 VENDOR MANAGED RESTOCK		921.12	18
		CASAA54788 VENDOR MANAGED RESTOCK		859.13	18
FED EX SUPPLIES MACHINERY AND EQUIP MAINT MATE MACH & EQUIP MAINT SERVICES SUPPLIES	21499		96.08		
		593064634 8/8-9/1/17 FED EX CHARGES		24.68	18
		593064634 8/8-9/1/17 FED EX CHARGES		29.18	18
		593064634 8/8-9/1/17 FED EX CHARGES		15.92	18
		593064634 8/8-9/1/17 FED EX CHARGES		11.96	18
		593064634 8/8-9/1/17 FED EX CHARGES		14.34	18
FENTON, CHARLES CONSTRUCTION-DESIGN MISCELLANEOUS	21500		17,499.40		
		77 7/3-7/28/17 SERVICES INSIDE CA		12,892.50	20
		77B 7/3-7/28/17 SERVICES OUTSIDE CA		2,328.75	20
		77C REIM-7/3-7/28/17 TRAVEL EXPENSES		3,180.63	20
		77D 7% NONRESIDENT WITHHOLDING		-902.48	20
FINTA ENTERPRISES, INC CONTRACT SERV. (NON-MAINT.)	21501	54066 7/31/17 GRIT HAULING	955.56	955.56	18
FISHER SCIENTIFIC COMPANY SUPPLIES	21502		783.75		
		2584381 LAB SUPPLIES		177.58	18
		2584381 LAB SUPPLIES		606.17	18

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FITZGERALD LAW OFFICES	21503		12,393.30		
CONST.-ADMIN. & LEGAL		9222017 8/17 PROFESSIONAL SERVICES - 63" FORCE MAIN RE		3,420.00	20
		9222017B REIM-8/17 PROFESSIONAL SERVICES-63" FM RELIAB		119.40	20
PROFESSIONAL SERVICES		9222017C 8/17 GENERAL LEGAL SERVICES		8,734.50	18
		9222017D REIM-8/17 GENERAL LEGAL SERVICES		119.40	18
FRANK A. OLSEN CO.	21504		2,828.65		
MACH & EQUIP MAINT SERVICES		238277 QTY 1 6A COMPLETE ELECTRONICS ASSEMBLY ROTORK		2,028.65	18
		238307 ROTORK ASSEMBLY FIELD SERVICES		800.00	18
FREYER & LAURETA, INC	21505		1,955.00		
CONSTRUCTION-DESIGN		17467 7/17 T.O.2017-02 PS VALVE REPLACEMENT		977.50	14
		17467 7/17 T.O.2017-02 PS VALVE REPLACEMENT		977.50	14
GABLE, ERIC	21506		266.89		
SMALL TOOLS		9222017 REIM-9/1/17 TOOL ALLOWANCE - M18 BAND SAW		266.89	18
GRAINGER	21507		7,281.63		
MACHINERY AND EQUIP MAINT MATE		9542512893 RESTOCK ITEMS		18.18	18
		9546121170 RESTOCK ITEMS		494.93	18
SUPPLIES		9549684877 RESTOCK ITEMS		6,142.20	18
MACHINERY AND EQUIP MAINT MATE		9549684885 RESTOCK ITEMS		14.14	18
		9552940133 RESTOCK ITEMS		13.40	18
		9552940133 RESTOCK ITEMS		15.99	18
		9552940133 RESTOCK ITEMS		21.27	18
		9552940133 RESTOCK ITEMS		18.53	18
		9552940133 RESTOCK ITEMS		22.51	18
		9552940133 RESTOCK ITEMS		23.33	18
		9552940133 RESTOCK ITEMS		18.44	18
SUPPLIES		9554629833 RESTOCK ITEMS		274.26	18
		9554629833 RESTOCK ITEMS		204.45	18

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GROENIGER & COMPANY INC MISCELLANEOUS	21508	1285912A QTY 3 50 LINE SWING CHECK VALVE ADDITION TO P	1,109.25	1,109.25	18
HANSEN, ERIC CONF. & TRAV.	21509	9222017 REIM-8/17 CELL PHONE EXPENSE	45.00	45.00	18
HANSON BRIDGETT LLP CONST.-ADMIN. & LEGAL	21510		30,221.50		
		1196850 7/3-7/31/17 PUBLIC WORKS CONTRACTING & INFRAST		6,950.95	20
		1196850 7/3-7/31/17 PUBLIC WORKS CONTRACTING & INFRAST		6,950.95	20
		1196850 7/3-7/31/17 PUBLIC WORKS CONTRACTING & INFRAST		6,950.94	20
		1196850 7/3-7/31/17 PUBLIC WORKS CONTRACTING & INFRAST		6,950.94	20
PROFESSIONAL SERVICES		1196850 7/3-7/31/17 PUBLIC WORKS CONTRACTING & INFRAST		2,417.72	18
HOPKINS TECHNICAL PRODUCTS, IN MACHINERY AND EQUIP MAINT MATE	21511	3617301001 QTY 2 SENSOR, TOTAL CHLORINE CTE 0-20	2,785.54	2,785.54	18
INDUSTRIAL SAFETY SUPPLY CORPO MISCELLANEOUS	21512		207.64		
		1051434 SAFETY PRODUCTS		151.94	18
		1051495 SAFETY PRODUCTS		55.70	18
INTUITIVE TACTICAL CONSULTING PROFESSIONAL SERVICES	21513	2017101 IT SUPPORT SERVICE - DEPLOYMENT SERVICES FOR N	7,200.00	7,200.00	18
ISHAYA, TIFFANY CONF. & TRAV.	21514	9222017 REIM-8/9-8/12/17 TRAVEL EXPENSES - LIMS TRAINI	748.33	748.33	18
JENTECH SERVICES MACH & EQUIP MAINT SERVICES	21515		7,069.44		
		2238 9/1-9/14/17 INSTRUMENT CALIBRATION		612.00	18
		2238 9/1-9/14/17 INSTRUMENT CALIBRATION		1,530.00	18
		2238 9/1-9/14/17 INSTRUMENT CALIBRATION		918.00	18
		2238 9/1-9/14/17 INSTRUMENT CALIBRATION		1,836.00	18
		2238 9/1-9/14/17 INSTRUMENT CALIBRATION		2,173.44	18

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KENNEDY/JENKS CONSULTANTS, INC CONSTRUCTION-DESIGN	21516		24,959.28		
		11 10/1/16-3/17/17 T.O.2015-04 TUNNEL SUPPORT SVCS GRA		9,757.65	20
		114784 THRU 7/28/17 T.O.2017-03 WWTP PHASE2/ADPP/OA SU		623.27	20
		114784 THRU 7/28/17 T.O.2017-03 WWTP PHASE2/ADPP/OA SU		729.68	20
		114784 THRU 7/28/17 T.O.2017-03 WWTP PHASE2/ADPP/OA SU		547.26	20
		114784 THRU 7/28/17 T.O.2017-03 WWTP PHASE2/ADPP/OA SU		927.30	20
		114784 THRU 7/28/17 T.O.2017-03 WWTP PHASE2/ADPP/OA SU		7,311.98	20
		114784 THRU 7/28/17 T.O.2017-03 WWTP PHASE2/ADPP/OA SU		5,062.14	20
LEE, DAVID UTILITIES	21517		135.00		
		9222017 REIM-7/17-9/17 CELL PHONE EXPENSE		135.00	18
LIEBERT CASSIDY WHITMORE PROFESSIONAL SERVICES	21518		10,599.60		
		1446381 THRU 8/31/17 D.A. HALL MGMT PAY PERS APPEAL		8,109.60	18
		1446382 THRU 8/31/17 APPEAL OF CALPERS DETERMINATION R		680.00	18
		1446383 THRU 8/31/17 QUINTEN GREEN INVESTIGATION ADVIC		1,810.00	18
LOSTICA, JAMES SUPPLIES TRAINING	21519		652.13		
		9222017 REIM-9/11/17 SAFETY SHOES		257.93	18
		9222017B REIM-9/11/17 TRAVEL EXPENSE-AIRFARE FOR FCI T		394.20	18
MADCO WELDING SUPPLY CO SUPPLIES RENTAL/LEASES	21520		53.75		
		767 8/2017 CYLINDER RENTAL		20.00	18
		767 8/2017 CYLINDER RENTAL		33.75	18
MARINA MECHANICAL MACH & EQUIP MAINT SERVICES	21521		13,090.95		
		305606 6/26/17 CHILLER MAINTENANCE		13,090.95	18
MCMASTER-CARR SUPPLY CO. MACHINERY AND EQUIP MAINT MATE	21522		16.56		
		44838768 QTY 2 WING NUT EXPANSION PLUG		16.56	18

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MENLO PARK, CITY OF UTILITIES	21523	828201735494 7/21-8/22/17 MPPS WATER SERVICE	221.56	221.56	18
MID-PENINSULA WATER DISTRICT UTILITIES	21524	831201762000 8/1-8/31/17 BLPS WATER SERVICE	195.23	195.23	18
MOTION INDUSTRIES INC. MACHINERY AND EQUIP MAINT MATE	21525	CA24015591 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS	47.49	47.49	18
NEXLEVEL INFORMATION TECHNOLOG PROFESSIONAL SERVICES	21526	20170833 8/17 ERP PROCUREMENT	2,012.50	2,012.50	20
O.K. LUMBER COMPANY MISCELLANEOUS	21527	432967 PLYWOOD	563.62	563.62	18
OFFICE DEPOT	21528		398.88		
OFFICE SUPPLIES		957470086001 OFFICE SUPPLIES		50.41	18
SUPPLIES		957470086001 OFFICE SUPPLIES		142.03	18
OFFICE SUPPLIES		958386645001 OFFICE SUPPLIES		128.60	18
		959695708001 OFFICE SUPPLIES		77.84	18
PACIFIC GAS AND ELECTRIC COMPA UTILITIES	21529		3,011.76		
		905201765919 7/31-8/31/17 PLANT GAS SERVICE		918.30	18
		914201723701 8/16-9/14/17 PLANT GAS		2,093.46	18
PETERSON	21530		6,212.05		
MACHINERY AND EQUIP MAINT MATE		PC040257490 QTY 1 WATER PUMP, QTY 6 COOLANT PREMIX FOR		787.35	18
		PC040257490 QTY 1 WATER PUMP, QTY 6 COOLANT PREMIX FOR		4,331.62	18
		PC040257579 DELIVERY CHARGE ON INV PC040257490 WATER P		170.00	18
		PC040257490A QTY 1 WATER PUMP, QTY 6 COOLANT PREMIX FO		580.75	18
		PC040257490A QTY 1 WATER PUMP, QTY 6 COOLANT PREMIX FO		342.33	18

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PITNEY BOWES RENTAL/LEASES	21531	3101569222 10/10/2017-1/9/2018 LEASE - POSTAGE MACHINE	265.92	265.92	18
POLITZER, KRISTA OFFICE SUPPLIES	21532	9222017 REIM-9/17-9/19/17 REFRESHMENTS FOR FOP INTERVI	161.85	161.85	18
R & B COMPANY MACHINERY AND EQUIP MAINT MATE	21533		1,671.57		
		S1674508001 PLUMBING PARTS		297.65	18
		S1675930001 PLUMBING PARTS		128.33	18
		S1678102001 PLUMBING PARTS		123.03	18
		S1678102001 PLUMBING PARTS		155.90	18
		S1678102001 PLUMBING PARTS		44.39	18
		S1678102001 PLUMBING PARTS		486.78	18
MISCELLANEOUS MACHINERY AND EQUIP MAINT MATE		S1678569001 PLUMBING PARTS		99.68	18
		S1679012001 PLUMBING PARTS		335.81	18
REAGAN-HACKETT, KIMBERLY MEMB. & MEET.	21534	9222017 REIM-9/5/17 PE LICENSE RENEWAL	172.50	172.50	18
RECOLOGY SAN MATEO COUNTY UTILITIES	21535	27102938 9/17-11/17 GREENDALE RESIDENTIAL WASTE	112.62	112.62	18
REDWOOD CITY, CITY OF - FINANC PROFESSIONAL SERVICES MACH & EQUIP MAINT SERVICES	21536		11,622.85		
		BR45807 8/17 ACCOUNTING SERVICE		11,498.16	18
		BR45476 6/16-7/15/17 VEHICLE REPAIR/MTN CHARGES		124.69	18
REDWOOD CITY, CITY OF - WATER UTILITIES	21537		4,840.34		
		828201706774 7/28-8/28/17 RCPS WATER		215.58	18
		828201719903 7/28-8/28/17 1406 RADIO RD WATER, SEWER,		272.24	18
		828201719929 7/28-8/28/17 1406 RADIO RD FIRE SERVICE		96.00	18
		828201786984 7/28-8/28/17 PLANT WATER, GARBAGE		4,256.52	18

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ROYAL WHOLESALE ELECTRIC MACHINERY AND EQUIP MAINT MATE	21538		2,129.83		
		7003646794 VARIOUS CONDUIT PARTS		176.35	18
		7003647786 VARIOUS CONDUIT PARTS		70.69	18
		7003647875 VARIOUS CONDUIT PARTS		60.42	18
		7003647995 VARIOUS CONDUIT PARTS		1,822.37	18
RSCA CONST.-ADMIN. & LEGAL	21539		655.00		
		170912 9/1/17 FULL PAGE LEFT INTERIOR COLOR AD		655.00	20
SABAH INTERNATIONAL INC MACH & EQUIP MAINT SERVICES	21540		1,649.75		
		129473 SUPPRESSION PREVENTIVE MAINTENANCE		448.50	18
		129474 DETECTION PREVENTIVE MAINTENANCE-FIRE ALARM INS		762.50	18
		129495 SPRINKLER PREVENTIVE MAINTENANCE-QTRLY INSPECTI		438.75	18
SANDHU, GURPAL SUPPLIES	21541		255.77		
		9222017 REIM-9/14/17 SAFETY SHOES		255.77	18
SILICON VALLEY CLEAN WATER (SA ADMINISTRATIVE EXPENSES	21542		1,975.00		
		9222017 10/17 SAFETY INCENTIVE		1,975.00	18
TANNER PACIFIC, INC. CONSTRUCTION-DESIGN CONSTRUCTION-CONSTRUCTION MGMT CONSTRUCTION-DESIGN	21543		105,334.42		
		217073 8/27-9/9/17 T.O.2017-07 CONSTRUCTION MGMT FOR C		67,144.42	20
		217074 7/31-8/30/17 T.O.2017-03 CONSTRUCTION MGMT		11,960.00	14
		217074 7/31-8/30/17 T.O.2017-03 CONSTRUCTION MGMT		11,960.00	14
		217075 5/31-9/9/17 T.O.2017-04 CONSTRUCTION MGMT		14,270.00	14
THATCHER COMPANY OF CALIFORNIA CHEMICAL SUPPLIES	21544		23,353.43		
		245693 8/24/17 44900 LB TRIOXYN		7,861.43	18
		245805 43940 LB TRIOXYN		7,686.60	18
		245903 9/7/17 44580 LB TRIOXYN		7,805.40	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
THERMO FISHER SCIENTIFIC(ASHEV SMALL TOOLS	21545	1245447 LAB SUPPLIES	483.62	483.62	18
THOMAS FISH CO. SUPPLIES	21546	22013 QTY 110 RAINBOW TROUT FISHES	126.00	126.00	18
UNITED RENTALS NORTHWEST, INC. RENTAL/LEASES	21547	149346723001 8/16-8/17/17 RENTAL BREAKER PAVEMENT AIR	330.30	330.30	18
UNIVAR USA INC. CHEMICAL SUPPLIES	21548	SJ837678 9/6/17 4797 GAL SOD HYPO SJ835877 8/30/17 4498 GAL SOD HYPO SJ835891 8/29/17 4498 GAL SOD HYPO SJ836238 8/30/17 2306 GAL SOD HYPO SJ836579 9/1/17 4395 GAL SOD BISULFITE SJ836789 8/30/17 4499 GAL SOD HYPO SJ836846 9/1/17 2997 GAL SOD HYPO SJ837173 9/5/17 2549 GAL SOD HYPO	20,087.99	2,545.77 2,387.09 2,387.09 1,223.80 6,213.37 2,387.61 1,590.51 1,352.75	18 18 18 18 18 18 18 18
UPTIME POWER SERVICES INC CAPITAL	21549	UPSINV4802 UPS SYSTEMS IMPLEMENTATION	9,975.00	9,975.00	14
USA BLUE BOOK MACHINERY AND EQUIP MAINT MATE	21550	359024 QTY 1 STATIC MIXER 3' FLANGED SCH 80	605.00	605.00	18
V&A CONSULTING ENGINEERS, INC. CONSTRUCTION-CONTRACTOR	21551	17069 8/17 CHLORINE CONTACT TANK ASSESSMENT	6,168.00	6,168.00	20

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
VWR INTERNATIONAL, LLC SUPPLIES	21552		2,690.55		
		8048940653	LAB SUPPLIES	726.10	18
		8048940653	LAB SUPPLIES	400.96	18
		8049547946	LAB SUPPLIES	67.13	18
		8049755895	LAB SUPPLIES	152.25	18
		8049755895	LAB SUPPLIES	304.50	18
		8049758839	LAB SUPPLIES	726.08	18
		8049799226	LAB SUPPLIES	51.77	18
		8049800622	LAB SUPPLIES	261.76	18
WANDRO, ROBERT UTILITIES TRAINING	21553		92.08		
		9222017	REIM-8/17/17 CELL PHONE EXPENSE	45.00	18
		9222017B	REIM-8/28-8/30/17 MILEAGE REIMBURSEMENT. SSF	47.08	18
WATSON-MARLOW INC MACHINERY AND EQUIP MAINT MATE	21554		782.09		
		SI046456	QTY 30 MARPRENE TUBING	782.09	18
WEST YOST ASSOCIATES CONSTRUCTION-DESIGN	21555		34,245.00		
		2033057	THRU 3/30/17 T.O.2014-03 54" FORCE MAIN REPLAC	1,345.00	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	528.47	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	1,585.40	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	3,170.82	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	264.24	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	1,453.29	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	1,453.29	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	528.47	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	14,532.93	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	1,056.94	20
		2033069	THRU 3/30/17 T.O.2016-02 CONVEYANCE SYSTEM PRO	1,849.65	20
		2033070	THRU 3/30/17 T.O.2016-03 SRF FINANCIAL SERVICE	6,476.50	20
CONST.-ADMIN. & LEGAL					

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
WESTERN ENERGY SYSTEMS MACH & EQUIP MAINT SERVICES	21556		18,609.36		
		3792258 8/17 LTSA SERVICE AGREEMENT UNIT 1		9,222.00	18
		3792259 8/17 LTSA SERVICE AGREEMENT UNIT 2		9,387.36	18
WESTERN WATER ASSOCIATES, INC. MISCELLANEOUS	21557		767.78		
		1515129 QTY 2 CLOSED LOOP INHIBITOR 5 GAL		767.78	18
WRA ENVIRONMENTAL CONSULTANTS CONSTRUCTION-DESIGN	21558		191.00		
		201711929977 6/17 2016-02 CONVEYANCE SYSTEM CEQA		28.65	20
		201711929977 6/17 2016-02 CONVEYANCE SYSTEM CEQA		28.65	20
		201711929977 6/17 2016-02 CONVEYANCE SYSTEM CEQA		28.65	20
		201711929977 6/17 2016-02 CONVEYANCE SYSTEM CEQA		105.05	20
TOTAL				\$1,003,765.24	

SVCW WARRANT REGISTER

SVCW Warrant Register for the period covering September 23, 2017 to October 6, 2017. A scanned copy was e-mailed to Commissioners on October 30, 2017.

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FUND RECAP

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NAME	FUND	AMOUNT
CAPITAL IMPROVEMENT FUND	14	66,862.94
OPERATION	18	183,559.11
RECYCLED WATER FUND	19	382.05
PLANT - CIP BOND	20	1,734,174.87
TOTAL FOR APPROVAL		\$1,984,978.97

[Handwritten Signature]
10/6/2017

THIS IS TO CERTIFY THAT THE CLAIMS LISTED ON PAGES NUMBERED FROM 9955 THROUGH 9971 INCLUSIVE, AND/OR CLAIMS NUMBERED FROM 21595 THROUGH 21677 INCLUSIVE, TOTALING IN THE AMOUNT OF \$1,984,978.97, 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,

[Handwritten Signature] 10/5/17
DEPUTY TREASURER DATE

9/23/17-10/6/17

7B-2

[Handwritten Signature] 10-9-17

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
REGUS MANAGEMENT GROUP LLC	21595		8,221.07		
CONSTRUCTION-CONTRACTOR		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.27	20
		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.27	20
		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.26	20
		13124122 OFFICE RENT FOR 10/9/17-10/31/17		2,055.27	20
AIR PRODUCTS GROUP INC	21596		4,269.20		
MACHINERY AND EQUIP MAINT MATE		95391 QTY 12 VERISORB HC SINGLE HEADER CARBON, QTY 1 S		443.70	18
		95391 QTY 12 VERISORB HC SINGLE HEADER CARBON, QTY 1 S		3,825.50	18
AKELA, ARVIND	21597		42.98		
TRAINING		10062017 REIM-8/15/17 TRAVEL EXPENSE-DBIA LUNCH T HERR		42.98	18
ALLIED IRON CO., INC.	21598		175.09		
MISCELLANEOUS		131992 QTY 1 3/16 X 2 HR FLAT BAR, QTY 1 2.5 X 2 ANGLE		51.11	18
		131992 QTY 1 3/16 X 2 HR FLAT BAR, QTY 1 2.5 X 2 ANGLE		123.98	18
ALPHA ANALYTICAL LABORATORIES	21599		532.50		
CONTRACT SERV. (NON-MAINT.)		7091860RPSVCW PLANT PERMIT LAB ANALYSIS		70.00	18
		7092060RPSVCW PLANT PERMIT LAB ANALYSIS		210.00	18
		7092753RPSVCW PLANT PERMIT LAB ANALYSIS		252.50	18
ATMOSPHERIC ANALYSIS & CONSULT	21600		445.00		
CONTRACT SERV. (NON-MAINT.)		A17366 ANALYSIS & REPORTING-SILOXANES & SULFUR COMPOUN		445.00	18
BROWN & CALDWELL	21601		23,078.16		
PROFESSIONAL SERVICES		11295022 2/24-5/25/17 T.O.2016-06 ENGR OPERATION BUDGE		3,354.00	18
CONSTRUCTION-DESIGN		11298905 5/26-7/27/17 T.O.2016-11 FOP PROJ/PHASE1 OWNE		5,921.40	20
		11298905 5/26-7/27/17 T.O.2016-11 FOP PROJ/PHASE1 OWNE		5,921.38	20
		11298905 5/26-7/27/17 T.O.2016-11 FOP PROJ/PHASE1 OWNE		5,921.38	20
		11299954 7/1-8/24/17 T.O.2015-06 PRIMARY SEDIMENTATION		1,470.00	20
		11299954 7/1-8/24/17 T.O.2015-06 PRIMARY SEDIMENTATION		490.00	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
BROWNING FERRIS INDUSTRIES OF CONTRACT SERV. (NON-MAINT.)	21602	4227000047959 ADMINISTRATIVE FEE	9.86	9.86	18
BRYAN, WILLIAM	21603		1,181.60		
CONTRUCTION-DESIGN		10062017 REIM-9/12-9/14 TRAVEL EXPENSES DC WATER/OCS		947.41	20
SUPPLIES		10062017B REIM-8/31-9/1/17 SAFETY SHOES		234.19	18
BUCKLES SMITH ELECTRIC COMPANY	21604		2,140.52		
MACHINERY AND EQUIP MAINT MATE		305292001 VARIOUS ELECTRICAL PARTS		428.10	18
MISCELLANEOUS		305292001 VARIOUS ELECTRICAL PARTS		1,712.42	18
C.W.E.A. - TCP	21605		85.00		
TRAINING		9052017 CWEA-CERTIFICATE PLANT MTN TECH GRADE 1-MILLS,		85.00	18
CA ST-BOARD OF EQUALIZATION	21606		4,400.00		
MISCELLANEOUS		10062017 7/1-9/30/17 SALES TAX ACCRUAL 19-751218		4,400.00	18
CALIFORNIA WATER SERVICE CO	21607		443.55		
UTILITIES		9152017 8/15-9/14/17 SCPS WATER SERVICE		443.55	18
CALPERS	21608		1,050.00		
ADMINISTRATIVE EXPENSES		100000015045141 FEES FOR GASB-68 REPORTS & SCHEDULES		1,050.00	18
CASCADE INTEGRATION & DEVELOPM	21609		91,736.90		
CONTRUCTION-DESIGN		1376 7/10-7/14/17 T.O.2017-01 PLANNING/DOCUMENTATION F		21,571.30	20
		1376 7/10-7/14/17 T.O.2017-01 PLANNING/DOCUMENTATION F		21,571.30	20
		1376 7/10-7/14/17 T.O.2017-01 PLANNING/DOCUMENTATION F		21,571.30	20
		1377 9/7-9/11/17 T.O.2017-01 PLANNING/DOCUMENTATION FO		9,007.66	20
		1377 9/7-9/11/17 T.O.2017-01 PLANNING/DOCUMENTATION FO		9,007.67	20
		1377 9/7-9/11/17 T.O.2017-01 PLANNING/DOCUMENTATION FO		9,007.67	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
CDW GOVERNMENT, INC. SUPPLIES	21610		2,708.23		
		JVC0978	QTY 2 MS SURFACE PRO SIG TYPE COVER PLATE	271.88	18
		KGN9427	QTY 5 CISCO IP PHONE 7945-GETH COL SPARE, QTY	2,317.33	18
		KGN9427	QTY 5 CISCO IP PHONE 7945-GETH COL SPARE, QTY	119.02	18
CHAVAN & ASSOCIATES, LLP PROFESSIONAL SERVICES	21611		6,075.00		
		CA1469	PROF SVCS FOR 6/30/17 YEAR-END AUDIT	6,075.00	18
DALY, MICK UTILITIES	21612		135.00		
		910201706128	REIMB 6/11-9/10/17 AT&T CHARGES	135.00	18
DATA INSTINCTS CONST.-ADMIN. & LEGAL	21613		2,835.00		
		2148	RECYCLED WATER COMMUNICATION PLAN FOR SVCW SERVIC	2,835.00	20
DAVID J POWERS AND ASSOCIATES, CONSTRUCTION-DESIGN CONSTRUCTION-CONTRACTOR	21614		4,801.33		
		2017011	6/1-7/31/17 T.O.2017-01 PHASE1 CONSTRUCTION MO	2,400.66	20
		2017011	6/1-7/31/17 T.O.2017-01 PHASE1 CONSTRUCTION MO	2,400.67	20
DNS STRATEGIC PARTNERS, LLC CONSTRUCTION-DESIGN	21615		31,400.00		
		17200102	9/1-9/29/17 T.O.2017-01 PROF CONSULTING SVCS-	31,400.00	20
DOWNTOWN FORD SALES CAPITAL	21616		52,746.94		
		305048TAX	QTY 1 COMPANY VEHICLE 2017 FORD F350 REG CAB	5,973.19	14
		305048	QTY 1 COMPANY VEHICLE 2017 FORD F350 REG CAB GA	46,765.00	14
		305048	QTY 1 COMPANY VEHICLE 2017 FORD F350 REG CAB GA	8.75	14
ELLISON, SCHNEIDER, HARRIS & D CONSTRUCTION-DESIGN	21617		1,680.00		
		29209	7/24-7/25/17 LEGAL ENERGY CONSULTING SVCS	1,680.00	20
ENDRESS+HAUSER, INC MISCELLANEOUS	21618		10,967.98		
		6001908682	QTY 2 PROMAG H500 5H5B04	10,967.98	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ENVIRONMENTAL EXPRESS, INC	21619		4,150.06		
SUPPLIES		1000480147 QTY 20 PROWEIGH FILTERS FOR VOLATILES 110MM		4,150.06	18
ENVIRONMENTAL RESOURCE ASSOCIA	21620		1,551.64		
SUPPLIES		840360 LAB SUPPLIES, CHEMICALS		1,551.64	18
ERS INDUSTRIAL SERVICES, INC.	21621		390,453.91		
CONSTRUCTION-CONTRACTOR		18POM10604 8/17 PRG PMT#18 PRIMARY SEDIMENTATION TANK		142,288.35	20
		18POM10604 8/17 PRG PMT#18 PRIMARY SEDIMENTATION TANK		142,288.36	20
		24POM10468 4/15-9/1/17 PRG PMT#24 DUAL MEDIA FILTER A1		105,877.20	20
FASTENAL COMPANY	21622		3,215.09		
SUPPLIES		CASAA54715 VENDOR MANAGED RESTOCK		1,425.91	18
		CASAA54720 VENDOR MANAGED RESTOCK		499.68	18
MISCELLANEOUS		CASAA54994 VENDOR MANAGED RESTOCK		182.23	18
		CASAA54994 VENDOR MANAGED RESTOCK		681.07	18
		CASAA54994 VENDOR MANAGED RESTOCK		361.58	18
		CASAA54994 VENDOR MANAGED RESTOCK		64.62	18
FED EX	21623		43.53		
ADMINISTRATIVE EXPENSES		161129170 9/20/17 FED EX CHARGES		43.53	18
FIELDMAN, ROLAPP & ASSOCIATES	21624		1,862.50		
CONST.-ADMIN. & LEGAL		23421 8/3-8/4/17 WIFIA LETTER OF INTEREST		417.50	20
		23422 8/2-8/31/17 LONG RANGED FINANCIAL PLAN		1,445.00	20
FISHER SCIENTIFIC COMPANY, LLC	21625		510.16		
SMALL TOOLS		1245447A LAB SUPPLIES		483.62	18
SUPPLIES		2714394 LAB SUPPLIES		20.95	18
		2714394 LAB SUPPLIES		5.59	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
FRANK A. OLSEN CO.	21626		535.93		
MACHINERY AND EQUIP MAINT MATE		238628 QTY 10 ROTORK MOD1L BATTERY PLUG		535.93	18
FRANKLIN MILLER, INC.	21627		7,852.80		
MISCELLANEOUS		29699 QTY 6 ECCENTRIC ADJ, QTY 3 CUTTER, QTY 6 NUT, QT		6,893.61	18
		29699 QTY 6 ECCENTRIC ADJ, QTY 3 CUTTER, QTY 6 NUT, QT		39.15	18
		29699 QTY 6 ECCENTRIC ADJ, QTY 3 CUTTER, QTY 6 NUT, QT		6.53	18
		29699 QTY 6 ECCENTRIC ADJ, QTY 3 CUTTER, QTY 6 NUT, QT		358.88	18
		29699 QTY 6 ECCENTRIC ADJ, QTY 3 CUTTER, QTY 6 NUT, QT		554.63	18
FRONTIER ANALYTICAL LABORATORY	21628		800.00		
CONTRACT SERV. (NON-MAINT.)		20180 NPDES PERMIT LAB ANALYSIS		800.00	18
GRAINGER	21629		4,353.01		
SUPPLIES		9553243206 RESTOCK ITEMS		319.69	18
		9557830693 RESTOCK ITEMS		2,798.31	18
SMALL TOOLS		9559281994 RESTOCK ITEMS		274.04	18
		9559281994 RESTOCK ITEMS		11.85	18
		9559281994 RESTOCK ITEMS		90.89	18
MACHINERY AND EQUIP MAINT MATE		9565722254 RESTOCK ITEMS		238.47	18
		9565722262 RESTOCK ITEMS		144.46	18
		9565758498 RESTOCK ITEMS		475.30	18
HACH COMPANY	21630		101.26		
SUPPLIES		10632821 QTY 1 SODIUM THIOSULFATE STD 0.025ON		101.26	18
HARRINGTON INDUST PLASTICS	21631		81.79		
MACHINERY AND EQUIP MAINT MATE		3L3505 PLUMBING SUPPLIES		81.79	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
HILLYARD INC	21632		1,596.61		
MISCELLANEOUS		602697493 JANITOR SUPPLIES		193.47	18
		602697493 JANITOR SUPPLIES		538.35	18
		602697493 JANITOR SUPPLIES		120.45	18
		602697493 JANITOR SUPPLIES		249.96	18
		602697493 JANITOR SUPPLIES		158.23	18
		602697493 JANITOR SUPPLIES		103.53	18
		602697493 JANITOR SUPPLIES		232.62	18
HUBBARD, JEFF	21633		3,167.59		
CONTRUCTION-DESIGN		10062017 REIM-9/6-9/7/17 TRAVEL EXPENSES SEATTLE SITE		886.55	20
		10062017B REIM-9/12-9/14/17 TRAVEL EXPENSE WASH. D.C.		1,003.64	20
		10062017C REIM-8/31-9/1/17 MILEAGE EXPENSE-FOP SITE VI		435.49	20
		10062017D REIM-9/11-9/12/17 TRAVEL EXPENSE-ATL FOP SIT		572.00	20
		10062017E REIM-8/31-9/1/17 TRAVEL EXPENSE-OCSD FOP SIT		269.91	20
IDEASHAPE	21634		9,100.00		
TRAINING		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		2,510.35	18
		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		1,882.76	18
		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		2,196.55	18
		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		1,568.97	18
		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		313.79	18
		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		313.79	18
		SVW1701 9/20/17 MYERS-BRIGGS TRAINING		313.79	18
JENTECH SERVICES	21635		7,171.44		
MACH & EQUIP MAINT SERVICES		2239 9/15-9/27/17 INSTRUMENT CALIBRATION		5,202.00	18
		2239 9/15-9/27/17 INSTRUMENT CALIBRATION		1,969.44	18
KEN GRADY COMPANY, INC	21636		2,037.06		
SUPPLIES		1494A FREIGHT ON INV 1494B QTY 6 SENSORS		79.56	18
		1494B QTY 6 00-0954 S03 SENSORS		1,957.50	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
KENNEDY/JENKS CONSULTANTS, INC CONTRUCTION-DESIGN	21637		24,305.63		
		110352 THRU 2/24/17 T.O.2016-01 LT STRATEGIC RECYC WAT		4,689.25	20
		110672 THRU 3/31/17 T.O.2016-02 LT STRATEGIC RECYC WAT		2,124.25	20
		114429 THRU 7/28/17 T.O.2016-12 LT STRATEGIC RECYC WAT		10,314.88	20
		115722 5/27-6/30/17 T.O.2016-02 RWCPS 48"FM EMERGENCY		7,177.25	20
KUMAR, RAJNESH SUPPLIES	21638		260.00		
		10062017 REIM-9/28/17 SAFETY SHOES		260.00	18
MADCO WELDING SUPPLY CO SUPPLIES	21639		456.60		
		G51910 9/18/17 COMPRESSED GASES		456.60	18
MOTION INDUSTRIES INC. MISCELLANEOUS	21640		1,905.47		
		CA24016439 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		1,227.85	18
		CA24016439 VARIOUS SIZES HOSE ENDS/STEEL CLAMPS		677.62	18
MSC INDUSTRIAL SUPPLY CO. INC MISCELLANEOUS	21641		162.17		
		58927638 QTY 2 KING FLOWMETER		162.17	18
OFFICE DEPOT OFFICE SUPPLIES SUPPLIES OFFICE SUPPLIES SUPPLIES OFFICE SUPPLIES SUPPLIES	21642		879.66		
		961226393001 OFFICE SUPPLIES		169.39	18
		961226393001 OFFICE SUPPLIES		267.93	18
		963439744001 OFFICE SUPPLIES		144.04	18
		963439744001 OFFICE SUPPLIES		15.64	18
		963441496001 OFFICE SUPPLIES		15.03	18
		964388127001 OFFICE SUPPLIES		127.59	18
		964388127001 OFFICE SUPPLIES		140.04	18
OGASAWARA LANDSCAPE MAINTENANC CONTRACT SERV. (NON-MAINT.)	21643		2,050.00		
		24379 9/17 LANDSCAPING SERVICES		2,050.00	18

SILICON VALLEY CLEAN WATER
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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
PACIFIC ECORISK, INC	21644		3,425.00		
CONTRACT SERV. (NON-MAINT.)		13680 8/14-8/20/17 NPDES COMPLIANCE TOXICITY TESTS		3,425.00	18
PACIFIC GAS AND ELECTRIC COMPA	21645		1,533.35		
UTILITIES		918201724970 8/11-9/11/17 GREENDALE GAS & ELEC		1,533.35	18
PACIFIC WATER RESOURCES	21646		10,856.90		
MACHINERY AND EQUIP MAINT MATE		17158 QTY 1 FLOWSERVE IMPELLER FRAME 7L		10,735.80	18
		17158 QTY 1 FLOWSERVE IMPELLER FRAME 7L		121.10	18
PENINSULA BATTERY, INC.	21647		1,064.46		
MACHINERY AND EQUIP MAINT MATE		122688 QTY 2 BATTERY, QTY 6 3C220 BATTERY 6 VOLT		178.35	18
		122688 QTY 2 BATTERY, QTY 6 3C220 BATTERY 6 VOLT		649.03	18
		122688 QTY 2 BATTERY, QTY 6 3C220 BATTERY 6 VOLT		228.38	18
		122688 QTY 2 BATTERY, QTY 6 3C220 BATTERY 6 VOLT		8.70	18
PRE EMPLOYMENT, INC.	21648		32.00		
PROFESSIONAL SERVICES		32429 BACKGROUND CHECK-VISHWA RAM		32.00	18
PURE TEC INDUSTRIAL WATER	21649		311.85		
MACH & EQUIP MAINT SERVICES		1584646 9/1-11/30/17 8" DI-WATER SYSTEM MAINTENANCE		44.10	18
		1584647 9/1-11/30/17 14" DI-WATER SYSTEM MAINTENANCE		267.75	18
QPCS LLC	21650		771.00		
PROFESSIONAL SERVICES		14376 8/16/17 ON SITE TECHNICAL SUPPORT FRONT GATE INT		771.00	18
R & B COMPANY	21651		163.96		
MACHINERY AND EQUIP MAINT MATE		S1682373001 PLUMBING PARTS		163.96	18
REDWOOD PAINTING CO., INC.	21652		4,672.57		
CONSTRUCTION-CONTRACTOR		1POM10865 8/17 PRG PMT#1 CCT CONCRETE&STEEL PROTECTIVE		4,672.57	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
ROYAL WHOLESALE ELECTRIC	21653		531.23		
MISCELLANEOUS		7003649935 VARIOUS CONDUIT PARTS		177.07	18
		7003649935 VARIOUS CONDUIT PARTS		177.08	18
		7003649935 VARIOUS CONDUIT PARTS		177.08	18
SAN FILIPPO, JOHN	21654		135.00		
UTILITIES		8252017 5/26/17-8/25/17 AT&T CHARGES CELL PHONE		135.00	18
SHANKAR, SAMEET	21655		92.97		
SUPPLIES		10062017 REIM-9/30/17 SAFETY SHOES		92.97	18
STATE WATER RESOURCES CONTROL	21656		340.00		
TRAINING		9272017 SWRCB JEFFREY BRUBAKER GRADE 4 CERT#8973 RENEW		340.00	18
STEVEN ENGINEERING INC.	21657		773.92		
MACHINERY AND EQUIP MAINT MATE		245479000 QTY 2 IDEC 14MM RELAY JUMPER, QTY 8 IDEC 22M		27.54	18
		245479000 QTY 2 IDEC 14MM RELAY JUMPER, QTY 8 IDEC 22M		40.06	18
		245479001 QTY 10 IDEC 14MM DPOT, QTY 2 IDEC 10 HORIZ,		186.01	18
		245479001 QTY 10 IDEC 14MM DPOT, QTY 2 IDEC 10 HORIZ,		5.55	18
		245479001 QTY 10 IDEC 14MM DPOT, QTY 2 IDEC 10 HORIZ,		5.09	18
		245479001 QTY 10 IDEC 14MM DPOT, QTY 2 IDEC 10 HORIZ,		10.05	18
		245479002 QTY 2 IDEC 22MM SELECTOR		117.57	18
MACHINERY AND EQUIP MAINT MATE		245515700 QTY 4 PANDUIT CONT TAPE, QTY 4 PANDUIT HEATS		137.03	19
SUPPLIES		245515700 QTY 4 PANDUIT CONT TAPE, QTY 4 PANDUIT HEATS		245.02	19
SYNAGRO TECHNOLOGIES INC	21658		31,431.12		
CONTRACT SERV. (NON-MAINT.)		3103007 8/17 BIOSOLIDS HAULING		31,431.12	18
TANNER PACIFIC, INC.	21659		124,724.30		
CONSTRUCTION-DESIGN		217076 9/10-9/23/17 T.O.2017-07 CONSTRUCTION MGMT VARI		110,608.30	20
CONSTRUCTION-DESIGN		217077 9/10-9/23/17 T.O.2017-04 PUMP STATION VALVE REP		12,768.00	14
CAPITAL		217078 4/10-9/23/17 T.O.2017-02 DMF INSTRUMENTATION&CO		1,348.00	14

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TEICHERT CONSTRUCTION	21660		1,003,618.00		
CONSTRUCTION-CONTRACTOR		1POM10866 7/13-8/31/17 PRG PMT#1 SITE STABILIZATION,GR		1,003,618.00	20
THE FERGUSON GROUP LLC	21661		2,242.16		
CONSTRUCTION-DESIGN		817563 8/4-8/23/17 PROF CONSULTING SVCS-CIP FIN ASSIST		2,195.50	20
		817563B REIM-8/4-8/23/17 TELEPHONE & TRAVEL EXPENSES		46.66	20
TOYOTA MATERIAL HANDLING	21662		52.50		
MACHINERY AND EQUIP MAINT MATE		C34554 QTY 6 ROD BATTERY		52.50	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	21663		4,938.73		
SUPPLIES		9222017BB1 8/28/17 NETWORK APPS CERTIFICATE - GODADDY.		139.98	18
		9222017BB2 8/29/17 NETWORK APP SECURITY CERTIFICATES -		705.00	18
TRAINING		9222017BB3 9/2/17 IT TRAINING - LINDA.COM INC		375.00	18
		9222017BB4 9/2/17 IT TRAINING - LYNDA.COM INC		375.00	18
SUPPLIES		9222017BB5 9/14/17 MS 365 SERVER LICENSE - MICROSOFT		56.00	18
		9222017BB6 9/14/17 MS 0365 LICENSE - MICROSOFT		180.00	18
		9222017BB7 9/20/17 SIM CARD ADAPTORS - AMAZON		31.88	18
		9222017DC1 8/21/17 OFFICE STORAGE BOXES - OFFICE DEPOT		48.92	18
MEMB. & MEET.		9222017DC3 8/24/17 LODGING EXPENSE FOR CASA CONFERENCE		291.38	18
		9222017DC4 8/24/17 LODGING EXPENSE FOR CASA CONFERENCE		291.38	18
		9222017DC5 8/24/17 MEALS EXPENSE FOR MOFFETT FIELD INV		200.00	18
SUPPLIES		9222017DC6 8/31/17 FUE EXPENSE - PILOT		35.00	18
		9222017DC7 8/31/17 FUEL EXPENSE - CHEVRON		16.50	18
		9222017DC8 8/31/17 FUEL EXPENSE - TEXACO		13.50	18
		9222017DC9 9/1/17 FUEL EXPENSE - MAVERIK		38.00	18
		9222017DL1 9/13/17 STAND UP DESK AND MAT FOR SOCORRO -		554.63	18
		9222017DL2 9/15/17 REPLACEMENT AERON CHAIR SEAT FOR BR		119.95	18
MEMB. & MEET.		9222017DM1 8/21/17 CWEA MEMBERSHIP RENEWAL-COTTIER - W		247.00	18
MACHINERY AND EQUIP MAINT MATE		9222017DM9 9/20/17 SHIPPING CHARGE ON CILLED PUMPS-CAL		20.18	18
CONF. & TRAV.		9222017EM2 8/24/17 SHUTTLE SERVICE FOR ROSAS & BUENROS		116.00	18
TRAINING		9222017EM3 8/24/17 CWEA-TCP RENEWAL CERTIFICATE FOR BR		95.00	18
		9222017EM4 8/24/17 CWEA RENEWAL ANNUAL MEMBERSHIP AND		98.00	18
MEMB. & MEET.		9222017EM4 8/24/17 CWEA RENEWAL ANNUAL MEMBERSHIP AND		172.00	18
TRAINING		9222017EM5 8/25/17 CWEA ANNUAL MEMBERSHIP & CERTIFICAT		100.00	18
MEMB. & MEET.		9222017EM5 8/25/17 CWEA ANNUAL MEMBERSHIP & CERTIFICAT		180.00	18
TRAINING		9222017EM6 8/25/17 TCP RENEWAL CERTIFICATE FOR LOSTICA		95.00	18
		9222017EM7 8/29/17 CWEA TCP CERTIFICATION PREP FOR LEC		85.98	18
CONF. & TRAV.		9222017EM8 9/1/17 SHUTTLE SERVICE FOR ROSAS & BUENROST		-58.00	18
SMALL TOOLS		9222017EM9 9/7/17 SPRAY NOZZLE FOR PRESSURE WASHER - P		75.57	18
TRAINING		9222017IS1 8/25/17 ANNUAL MEMBERSHIP FEE TRAINING - LY		239.88	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	21664		4,237.84		
CONF. & TRAV.		9222017IS2 9/6/17 ANNUAL EDUCATION FORUM REGISTRATION		399.00	18
SUPPLIES		9222017IS3 9/13/17 BUSINESS CARDS - SAMEET SHANKAR - V		40.66	18
		9222017IS4 9/13/17 MEALS EXPENSE FOR COMMISSION MEETIN		10.61	18
		9222017IS5 9/19/17 NEW EMPLOYEE SAMEET SHANKAR SVCW SH		92.55	18
TRAINING		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		178.86	18
		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		134.14	18
		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		111.79	18
		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		22.36	18
		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		22.36	18
		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		22.35	18
		9222017IS6 9/20/17 MEALS EXPENSE FOR MYERS BRIGGS TRAI		156.50	18
SUPPLIES		9222017LB1 9/7/17 MEALS EXPENSE FOR BUSINESS ANALYST I		8.93	18
		9222017LB2 9/11/17 RETIREMENT LUNCHEON-DAVE CHANDLER -		7.55	18
		9222017LB3 9/11/17 RETIREMENT LUNCHEON FOR DAVE CHANDL		395.88	18
		9222017LB4 9/12/17 RETIREMENT LUNCHEON FOR DAVE CHANDL		29.30	18
		9222017LB5 9/13/17 RETIREMENT LUNCHEON FOR DAVE CHANDL		91.75	18
OFFICE SUPPLIES		9222017MA1 8/28/17 MS SURFACE PEN - MICROSOFT		108.74	18
CONF. & TRAV.		9222017MA2 8/30/17 TOLL CHARGES - FASTRAK		195.00	18
		9222017MA3 9/1/17 AIRFARE - SOUTHWEST		232.50	18
MACH & EQUIP MAINT SERVICES		9222017MH1 8/22/17 COMPANY VEHICLES - CAR WASH - PRIME		10.00	18
CONF. & TRAV.		9222017MH2 8/24/17 SEMINAR REGISTRATION FEE - TRI-STAT		99.00	18
		9222017MH3 8/25/17 SEMINAR LODGING DEPOSIT - SP PT HOT		101.70	18
TRAINING		9222017MH4 8/26/17 WEBINAR TRAINING - COMPLIANCE		290.00	18
MACH & EQUIP MAINT SERVICES		9222017MH5 9/1/17 COMPANY VEHICLE - CAR WASH - AUTO PR		105.74	18
CONF. & TRAV.		9222017MH6 9/1/17 AIRFARE - SAS		40.00	18
		9222017MH7 9/1/17 AIRFARE - SAS		40.00	18
		9222017MH8 9/1/17 AIRFARE - SAS		1,001.27	18
		9222017MH9 9/14/17 PARKING FEE - BART		9.30	18
MEMB. & MEET.		9222017RH1 8/29/17 CWEA CERTIFICATION RENEWAL FEE-MARI		100.00	18
		9222017RH2 9/2/17 CWEA MEMBERSHIP RENEWAL FEE-RAMIN HA		180.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY CONF. & TRAV.	21665		7,339.67		
		9222017RH3 9/13/17 TRI-STATE SEMINAR/CONFERENCE REGIST		125.00	18
		9222017RH4 9/13/17 LODGING EXPENSE 4 NIGHTS-ENRIQUE SA		565.28	18
		9222017RH5 9/13/17 AIRFARE FOR CONFERENCE FOR ENRIQUE		173.96	18
SUPPLIES		9222017TH1 8/28/17 MOBILE APP - ITUNES		0.99	18
CONST.-ADMIN. & LEGAL		9222017TH2 8/30/17 AIRFARE -SITE VISIT RECEIVING LIFT		15.00	20
		9222017TH3 8/30/17 AIRFARE - SITE VISIT RECEIVING LIFT		534.96	20
		9222017TH5 8/31/17 LODGING EXPENSE FOR 10 PEOPLE - HOM		2,357.00	20
		9222017TH6 8/31/17 LODGING EXPENSE FOR 10 PEOPLE - HOM		59.00	20
		9222017TH7 8/31/17 AIRFARE FOR SITE VISIT-RECEIVING LI		1,571.60	20
		9222017TH8 8/31/17 AIRFARE FOR SITE VISIT-RECEIVING LI		54.00	20
		9222017TH9 8/31/17 AIRFARE FOR SITE VISIT-RECEIVING LI		15.00	20
		9222017VV1 8/28/17 MEALS EXPENSE FOR GRAVITY PIPELINE		13.99	20
		9222017VV2 8/29/17 MEALS EXPENSE FOR GRAVITY PIPELINE		30.12	20
		9222017VV3 8/29/17 AIRFARE - SOUTHWEST		267.99	20
		9222017VV4 9/18/17 MEALS EXPENSE FOR GRAVITY PIPELINE		201.19	20
		9222017VV5 9/21/17 MEALS EXPENSE FOR GRAVITY PIPELINE		421.88	20
SUPPLIES		9222017DC10 9/4/17 FUEL EXPENSE - MAVERIK		41.50	18
		9222017DC11 9/5/17 FUEL EXPENSE - MAVERIK		43.00	18
		9222017DC12 9/7/17 FUEL EXPENSE - MAVERIK		45.00	18
		9222017DC13 9/7/17 FUEL EXPENSE - MAVERIK		36.25	18
		9222017DC14 9/8/17 FUEL EXPENSE - MAVERIK		34.50	18
		9222017DC15 9/8/17 FUEL EXPENSE - CHEVRON		42.25	18
MEMB. & MEET.		9222017DC16 9/14/17 PARKING FEE - BART STATION FOR CSR		9.30	18
		9222017DC17 9/20/17 LUNCH EXPENSE FOR MEYERS BRIGGS ME		31.50	18
MACH & EQUIP MAINT SERVICES		9222017DC18 9/21/17 CAR WASH FOR COMPANY VEHICLE - AUT		23.99	18
MEMB. & MEET.		9222017DCH2 8/23/17 LODGING EXPENSE FOR CASA CONFERENC		292.15	18
CONST.-ADMIN. & LEGAL		9222017TH10 8/31/17 AIRFARE FOR SITE VISIT-RECEIVING L		97.00	20
		9222017TH11 9/1/17 LUNCH EXPENSE - CIAO SNA		9.69	20
		9222017TH12 9/1/17 BREAKFAST EXPENSE FOR 5 PEOPLE - MA		140.08	20
		9222017TH13 9/5/17 LUNCH EXPENSE FOR 8 PEOPLE - TAQUER		86.50	20

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
U.S. BANK CORPORATE PAYMENT SY	21666		7,415.34		
CONST.-ADMIN. & LEGAL		9222017TH14 9/7/17 LUNCH EXPENSE FOR 9 PEOPLE - VIVA J		155.47	20
		9222017TH15 9/8/17 LODGING EXPENSE FOR SITE VISIT-RECE		214.43	20
SUPPLIES		9222017TH16 9/8/17 FUEL EXPENSE - MONTCLAIR		56.42	18
CONST.-ADMIN. & LEGAL		9222017TH17 9/9/17 AIRFARE FOR SITE VISIT TUNNEL FACIL		15.00	20
		9222017TH18 9/9/17 AIRFARE FOR SITE VISIT-TUNNEL FACIL		15.00	20
		9222017TH19 9/9/17 AIRFARE FOR SITE VISIT-TUNNEL FACIL		228.96	20
		9222017TH20 9/11/17 RENTAL CAR EXPENSE - HERTZ		158.18	20
CONF. & TRAV.		9222017TH21 9/16/17 RENTAL CAR EXPENSE - HERTZ		90.76	18
TRAINING		92220417JF1 8/23/17 FLSA PUBLIC SECTOR COMPLIANCE GUID		95.00	18
MISCELLANEOUS		9222017DM2TAX SALES TAX LIABILITY		-1.73	18
		9222017DM3TAX SALES TAX LIABILITY		-10.46	18
		9222017DM5TAX SALES TAX LIABILITY		-3.00	18
		9222017DM6TAX SALES TAX LIABILITY		-0.50	18
MACHINERY AND EQUIP MAINT MATE		9222017DC1 8/26/17 QTY 2 LITHIUM BATTERIES-NEWARK		48.72	18
MACH & EQUIP MAINT SERVICES		9222017DC2 8/29/17 QTY 2 REPAIR WINDOW-HI TECH AUTO GL		110.00	18
MISCELLANEOUS		9222017DM1 QTY 1 POLYTRON, 8/23/17 QTY 1 DRAEGERSENSOR		729.05	18
		9222017DM1 QTY 1 POLYTRON, 8/23/17 QTY 1 DRAEGERSENSOR		59.27	18
		9222017DM1 QTY 1 POLYTRON, 8/23/17 QTY 1 DRAEGERSENSOR		704.70	18
SUPPLIES		9222017DM2 8/30/17 QTY 2 POT DECANTER CARAFE - AMAZON		21.49	18
		9222017DM2 8/30/17 QTY 2 POT DECANTER CARAFE - AMAZON		5.89	18
MISCELLANEOUS		9222017DM3 9/1/17 QTY 4 KING FLOWMETER 4-40 GPM WATER		2,287.50	18
MACHINERY AND EQUIP MAINT MATE		9222017DM4 9/5/17 QTY 1 E-1535 CHILLED WATER PUMP - CA		1,662.71	18
SUPPLIES		9222017DM5 9/7/17 QTY 3 SEA TO SUMMIT MOSQUITO HEAD NE		37.32	18
		9222017DM6 9/13/17 QTY 1 1" MALE X 3/8" FEMALE THREAD		6.17	18
MACHINERY AND EQUIP MAINT MATE		9222017DM7 9/18/17 QTY 1 HONEYWELL COMMUNICATOR, QTY 1		347.41	18
		9222017DM7 9/18/17 QTY 1 HONEYWELL COMMUNICATOR, QTY 1		160.22	18
SUPPLIES		9222017DM8 9/19/17 QTY 1 EXTRA HEAVY DUTY SHELVING - G		221.36	18
U.S. HEALTHWORKS MEDICAL GROUP	21667		160.00		
PROFESSIONAL SERVICES		3183635CA 8/25/17 PRE-EMPLOYMENT PHYSICAL - S ALEJOS &		160.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND
UNIVAR USA INC.	21668		5,797.78		
CHEMICAL SUPPLIES		SJ840566 9/22/17 4100 GAL BISULFITE		2,029.22	18
CONSTRUCTION-CONTRACTOR		SJ840566 9/22/17 4100 GAL BISULFITE		3,768.56	20
US POSTAL SERVICE (POSTAGE-BY-OFFICE SUPPLIES	21669		350.00		
		10062017 POSTAGE REFILL-A/C 18400358		350.00	18
VERIZON WIRELESS UTILITIES	21670		2,713.52		
		9793034702 8/20-9/19/17 VERIZON SERVICE		2,627.48	18
		9793034703 8/20-9/19/17 VERIZON SERVICE		76.02	18
		9793339457 8/24-9/23/17 VERIZON SERVICE		10.02	18
VWR INTERNATIONAL, LLC SUPPLIES	21671		865.97		
		8049807158 LAB SUPPLIES		177.85	18
		8049807158 LAB SUPPLIES		352.07	18
		8049811862 LAB SUPPLIES		28.67	18
		8049875561 LAB SUPPLIES		135.81	18
		8049875561 LAB SUPPLIES		118.36	18
		8049894563 LAB SUPPLIES		53.21	18
WELLS FARGO-COMML OPERATIONS INTEREST EXPENSES	21672		20,247.49		
		1711352338 LOC# 7829596836 6/30-9/29/17 UNUSED PRINCIP		2,575.80	20
		1711352338 LOC# 7829596836 6/30-9/29/17 UNUSED PRINCIP		4,566.34	20
		1711352338 LOC# 7829596836 6/30-9/29/17 UNUSED PRINCIP		1,607.75	20
		1711352338 LOC# 7829596836 6/30-9/29/17 UNUSED PRINCIP		8,263.31	20
		1711370319 LOC# 7829596836 9/17 INTEREST FEE-LINE OF C		489.67	20
		1711370319 LOC# 7829596836 9/17 INTEREST FEE-LINE OF C		868.08	20
		1711370319 LOC# 7829596836 9/17 INTEREST FEE-LINE OF C		1,570.90	20
		1711370319 LOC# 7829596836 9/17 INTEREST FEE-LINE OF C		305.64	20
WESTERN WEATHER GROUP INC MACH & EQUIP MAINT SERVICES	21673		1,222.00		
		15008 9/13/17 QUARTERLY AUDIT METEOROLOGICAL STATION		1,222.00	18

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NAME	WARRANT NUMBER	INVOICE #/DESCRIPTION	AMOUNT	DETAIL	FUND		
WESTIN ENGINEERING, INC. PROFESSIONAL SERVICES	21674		5,125.00				
		3261 THRU 8/25/17 PROFESSIONAL SERVICES		2,025.00	18		
		3283 THRU 9/15/17 PROFESSIONAL SERVICES		3,100.00	18		
WORK TECHNOLOGY CORPORATION MACH & EQUIP MAINT SERVICES	21675		10,300.00				
		S170146 9/1/17-8/31/18 WORKTECH SOFTWARE RENEWAL		10,300.00	18		
WRA ENVIRONMENTAL CONSULTANTS CONTRUCTION-DESIGN	21676		1,220.25				
		201712130535 9/17 T.O.2017-01 LANDSCAPE IMPOUNDMENT IM		1,220.25	20		
XEROX CORPORATION UTILITIES	21677		6,508.27				
		90471935 9/17 XEROX LEASE		375.16	18		
		90471936 9/17 XEROX LEASE		274.94	18		
		90471937 9/17 XEROX LEASE		310.33	18		
		90471938 9/17 XEROX LEASE		252.34	18		
		90471939 9/17 XEROX LEASE		458.53	18		
		90471940 9/17 XEROX LEASE		947.70	18		
		90471941 9/17 XEROX LEASE		384.86	18		
		90802476 10/17 XEROX LEASE		429.12	18		
		90802477 10/17 XEROX LEASE		271.88	18		
		90802478 10/17 XEROX LEASE		307.22	18		
		90802479 10/17 XEROX LEASE		292.16	18		
		90802480 10/17 XEROX LEASE		665.52	18		
		90802481 10/17 XEROX LEASE		1,173.78	18		
		90802482 10/17 XEROX LEASE		364.73	18		
		TOTAL			\$1,984,978.97		

CONSENT TO WAIVE CONFLICT OF INTEREST

ISSUE

Approve and Execute Written Consent to Waive Potential Conflict of Interest Request from Hanson Bridgett, SVCW Special Construction Counsel.

BACKGROUND

SVCW retained the law firm of Hanson Bridgett LLP to provide specialized legal advice and services with respect to public works contracting and construction related matters, including contract matters in connection with SVCW's Regional Environmental Sewer Conveyance Upgrade (RESCU) Program, primarily by partner David S. Gehrig. As part of SVCW's RESCU Program, SVCW is currently considering several Design Build team proposers to construct the Front of Plant Projects (FOP). One such proposer is the Design Build team of Shea/Parsons, a Joint Venture between Parsons Construction and J.F. Shea Construction, Inc.

Hanson Bridgett also currently represents Walsh /Shea Corridor Constructors (a Joint Venture between Walsh Construction Company and J.F. Shea Construction Inc.) in connection with a certain litigation matter the Walsh /Shea JV is pursuing in Los Angeles County; said matter is wholly unrelated to SVCW's RESCU Program and the FOP and involves a completely different Design Build team.

In accordance with California Rules of Professional Conduct, Rule 3-310, Hanson Bridgett is required to inform SVCW of a potential conflict of interest in the dual representation of JF Shea Construction, Inc. and obtain the written consent of both clients. JF Shea Construction, Inc. has provided its written consent to the dual representation. Attached is Hanson Bridgett's request for SVCW's written consent to waive a potential conflict of interest.

Based upon the foregoing, SVCW's General Counsel does not believe that Hanson Bridgett's representation of JF Shea Construction, Inc. will adversely affect Hanson Bridgett's legal services to SVCW since Mr. Gehrig's work on the RESCU Program and, in particular, the FOP is distinct and separate from the Los Angeles litigation matter. Moreover, the Los Angeles litigation matter is primarily being handled by another partner at the Hanson Bridgett firm.

RECOMMENDATION

Move approval of WRITTEN CONSENT TO WAIVE POTENTIAL CONFLICT OF INTEREST AND EXECUTE WAIVER LETTER

DAVID S. GEHRIG
PARTNER
GOVERNMENT
DIRECT DIAL (415) 995-5063
DIRECT FAX (415) 995-3416
E-MAIL dgehrig@hansonbridgett.com

October 24, 2017

VIA E-MAIL: fitzgeraldlaw@sbcglobal.net

**Christine Fitzgerald, General Counsel
Silicon Valley Clean Water
1400 Radio Road
Redwood City, CA 94065-1220**

**Re: Consent to Conflict of Interest
Walsh / Shea Corridor Constructors; J.F. Shea Construction Inc.**

Dear Christine:

This letter requests the consent of Silicon Valley Clean Water ("SVCW") to Hanson Bridgett LLP's representation of Walsh / Shea Corridor Constructors in connection with a litigation matter unrelated to SVCW.

Existing Relationship with J.F. Shea Construction Inc.

Our firm currently represents Walsh / Shea Corridor Constructors (a Joint Venture between Walsh Construction Company and J.F. Shea Construction Inc., the "Walsh / Shea JV") in connection with a certain litigation matter the Walsh / Shea JV is pursuing in Los Angeles County. As a result of our representation of the Walsh / Shea JV we also consider J.F. Shea Construction Inc. a client of our firm.

The litigation matter is completely unrelated to the Front of Plant Design-Build Project ("Project"). Moreover, we do not seek or intend to represent J.F. Shea Construction Inc. or the Shea / Parsons JV with regard to the Project. Nonetheless, because the interests of SVCW and the J.F. Shea Construction Inc. may be seen as adverse to SVCW in the event of a contract award to Shea / Parsons JV, our firm's concurrent representation of SVCW and J.F. Shea Construction Inc. could be seen to create a conflict of interest for our firm. It is our duty to disclose this circumstance to SVCW, and to ask for SVCW's consent to our concurrent representation of SVCW and J.F. Shea Construction Inc., and for SVCW's waiver of the conflict of interest arising therefrom.

Front of Plant Design-Build Project

As you know, Hanson Bridgett has been advising SVCW with respect to the Project, including the drafting of the Design-Build Agreement and evaluation of various proposals submitted. Shea / Parsons JV submitted a proposal for the Project, and staff is currently negotiating the terms of a tentative agreement in the event the Commission ultimately decides to award the contract to Shea / Parsons JV. Moreover, SVCW has requested that Hanson Bridgett continue to advise SVCW through completion of the construction work for the Project. We are both willing and able to provide whatever assistance is required throughout the Project. However, if a contract is awarded to the Shea / Parsons JV, our work would exclude representation of

SVCW in any formal dispute resolution or court actions between SVCW and J.F. Shea Construction Inc. / Parsons Joint Venture, should any arise.

We have disclosed the existing and proposed ongoing representation of SVCW to J.F. Shea Construction Inc., and we understand they have tentatively agreed to waive the potential conflicts of interest, subject to our providing a formal letter such as this one. That similar letter has been sent to J.F. Shea Construction Inc. Our continued representation of SVCW regarding the Project also requires the disclosure of our representation of J.F. Shea Construction Inc., as well as SVCW's consent and waiver of the potential conflict of interest. Accordingly, this letter is intended to ask for that waiver.

Conflict of Interest

Rule 3-310 of the California Rules of Professional Conduct permits us to represent clients with adverse, or potentially adverse, interests with the informed written consent of our clients (please see attached). This letter confirms that we have fully discussed with you the circumstances of the Construction Matter, our concurrent representation of SVCW and J.F. Shea Construction Inc., and the conflict of interest with respect thereto. We further confirm to you that we also have obtained consent from J.F. Shea Construction Inc. through a similar conflict waiver.

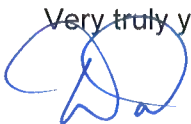
As noted above, our representation of SVCW creates a potential conflict of interest for Hanson Bridgett related to our duty of loyalty and confidentiality to existing clients. The interests of SVCW and the Shea-Parsons JV (and thereby J.F. Shea Construction Inc.) regarding the Project are adverse because each party may have different goals and objectives with respect to that matter. At this time, we believe that we can competently and vigorously represent SVCW in connection with the Project and still maintain our duty of loyalty and confidentiality to J.F. Shea Construction Inc. in the separate and unrelated litigation matter. We do not believe we have obtained any confidential information which will become material to our representation of J.F. Shea Construction Inc. in the litigation matter, or future matters in which we may come to represent J.F. Shea Construction Inc.

Consent

If you agree that Hanson Bridgett may undertake the concurrent representations as described above, and that SVCW is waiving any objection to the conflict with respect to the concurrent representations, please indicate your informed consent and waiver by replying to the corresponding email message, as indicated by below. Also, please return an executed copy of this letter as soon as possible by email at dgehrig@hansonbridgett.com.

If you have any questions regarding this letter or our concurrent representation as described above, please call us before signing this letter.

Very truly yours,

A handwritten signature in blue ink, appearing to be the name 'David', written over the text 'Very truly yours,'.

David

CONFLICT WAIVER

Silicon Valley Clean Water hereby consents to and waives any conflict of interest in Hanson Bridgett LLP's concurrent representation of SVCW and Walsh / Shea Corridor Constructors and J.F. Shea Construction Inc., as described above.

SILICON VALLEY CLEAN WATER

signature

print name and title

Date: _____

*****To facilitate your acceptance of the enclosed, you may simply reply to this e-mail message with "approved on behalf of SVCW" and your name. We will consider your reply message to constitute your acceptance and agreement with the enclosed.***

The State Bar of California Rules of Professional Conduct
Rule 3-310 Avoiding the Representation of Adverse Interests

- (A) For purposes of this rule:
- (1) "Disclosure" means informing the client or former client of the relevant circumstances and of the actual and reasonably foreseeable adverse consequences to the client or former client;
 - (2) "Informed written consent" means the client's or former client's written agreement to the representation following written disclosure;
 - (3) "Written" means any writing as defined in Evidence Code section 250.
- (B) A member shall not accept or continue representation of a client without providing written disclosure to the client where:
- (1) The member has a legal, business, financial, professional, or personal relationship with a party or witness in the same matter; or
 - (2) The member knows or reasonably should know that:
 - (a) the member previously had a legal, business, financial, professional, or personal relationship with a party or witness in the same matter; and
 - (b) the previous relationship would substantially affect the member's representation; or
 - (3) The member has or had a legal, business, financial, professional, or personal relationship with another person or entity the member knows or reasonably should know would be affected substantially by resolution of the matter; or
 - (4) The member has or had a legal, business, financial, or professional interest in the subject matter of the representation.
- (C) A member shall not, without the informed written consent of each client:
- (1) Accept representation of more than one client in a matter in which the interests of the clients potentially conflict; or
 - (2) Accept or continue representation of more than one client in a matter in which the interests of the clients actually conflict; or
 - (3) Represent a client in a matter and at the same time in a separate matter accept as a client a person or entity whose interest in the first matter is adverse to the client in the first matter.
- (D) A member who represents two or more clients shall not enter into an aggregate settlement of the claims of or against the clients without the informed written consent of each client.
- (E) A member shall not, without the informed written consent of the client or former client, accept employment adverse to the client or former client where, by reason of the representation of the client or former client, the member has obtained confidential information material to the employment.
- (F) A member shall not accept compensation for representing a client from one other than the client unless:
- (1) There is no interference with the member's independence of professional judgment or with the client lawyer relationship; and
 - (2) Information relating to representation of the client is protected as required by Business and Professions Code section 6068, subdivision (e); and
 - (3) The member obtains the client's informed written consent, provided that no disclosure or consent is required if:
 - (a) such nondisclosure is otherwise authorized by law; or
 - (b) the member is rendering legal services on behalf of any public agency which provides legal services to other public agencies or the public.

**REDWOOD CITY PUMP STATION 48-INCH FORCE MAIN EMERGENCY REPAIRS
(CIP #6003 AND #7005)
FINAL PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of Redwood City Pump Station 48-inch Force Main Emergency Repairs (CIP #6003 and #7005) and Authorization to File Notice of Completion.

BACKGROUND

On November 4, 2015, a sewage force main leak occurred at the location of the Redwood City Pump Station. The SVCW Commission approved the emergency expenditure of funds for the repair of essential facilities. Power Engineering was contracted to make the necessary repairs. Power Engineering could significantly control the leak with a “stop-gap” pipe repair. While the break in the pipe was temporarily repaired, staff determined that the remaining pipe was as equally compromised and had the potential risk for a catastrophic sewage leak.

In December 2015, the Commission ratified the Manager’s emergency declaration and authorized the Manager to commence with the permanent repair of the remaining force main pipeline. Power Engineering was contracted to commence with the permanent repair to replace the existing 36-inch force main connection that serves West Bay Sanitary District and the 48-inch force main that serves the City of Redwood City and to connect the pipes into the newly constructed 48-inch pipeline. The permanent repair was designed to be compatible with the future pump station replacement project.

While the emergency repair work was focused on replacing the leaking force main, staff is acutely aware that the pump station is over 45 years old. Typically, mechanical facilities are expected to have a useful life of approximately 30 years before major rehabilitation is needed. The SVCW maintenance staff has been performing the necessary work to extend the life of the station until the rehabilitation project is scheduled for completion. The pump station preliminary design has begun and the scheduled completion for replacing the pump station is Summer/Fall 2022.

DISCUSSION

In December 2015, the Commission approved expenditures up to \$1,650,000 for repairs of essential facilities. The original contract authorization to Power Engineering was \$1,450,000. Notice to Proceed was issued in January 2016.

During the course of work, a number of change orders were presented to the Commission for authorization and the final change order amount added \$1,132,000 to the contract. The majority of the changes were due to 1) the need to relocate numerous unforeseen buried utilities, 2) provisions to provide an isolation gate and emergency pump connection at the pump station, 3) replacing a pump discharge manifold in the pump station, 4) modifications to the meter vault and, 5) additional site paving. Nearly

all of the work associated with the change orders is related to or useful for the future pump station replacement project. The final construction contract amount is \$2,582,000.

The project was deemed “substantially complete” on December 23, 2016 which brought the pump station back into full operation while miscellaneous close out items were still being performed. The project was completely closed out in October 2017. The quality of work by the Contractor on the project is excellent and the new facilities are in full operation. Staff recommends the project be accepted and Notice of Completion for the project issued.

FINANCIAL IMPACT

Funding for this emergency work was funded from two CIP Projects: #6003, Emergency Force Main Repairs and #7005, Redwood City Pump Station Replacement project. The respective allocated budgets in the CIP are \$1.43 million and \$29.3 million.

RECOMMENDATION

Move approval to ACCEPT THE REDWOOD CITY PUMP STATION 48-INCH FORCE MAIN EMERGENCY REPAIRS (CIP #6003 and #7005) AND AUTHORIZE FILING NOTICE OF COMPLETION - POWER ENGINEERING CONSTRUCTION CO.

**Silicon Valley Clean Water
Redwood City Pump Station 48-Inch Force Main Emergency Repairs
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of the Redwood City Pump Station 48-inch Force Main Emergency Repairs are accepted as Substantially Complete in accordance with Specification Sections 00700-8.6 and 00800-1.5 and as defined herein.

As of December 23, 2016, 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 December 23, 2016.


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

1. Authority:
 - a. The Authority assumes responsibility for security, maintenance (except as noted below), heat, utilities, damage to the Work (except as caused by the Contractor's actions) and insurance for the facilities.
2. Power Engineering Construction Co.:
 - a. The Contractor shall maintain and provide proof of insurance as required by Specification Section 00800-3.1.4 for all work required to complete the Punch List and for five years following Final Completion as required by Specification Section 00800-3.2.
 - b. The Contractor shall be responsible for repairs or maintenance, as necessary, until the Contractor has submitted, and the Authority has accepted all Record Documents and Operation & Maintenance Manuals.
 - c. The Contractor shall work in an expeditious manner to complete the remaining work and administrative requirements on the Project including the items on the Punch List, dated December 23, 2016, 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 01740-1.0 on the date of Acceptance by Silicon Valley Clean Water.

The undersigned hereby acknowledge agreement to the above provisions:

Contractor:
Power Engineering Construction Co.

By: 
Jeff VanMeter

Title: Project Manager

Date: 12-23-16

Construction Manager:
Tanner Pacific, Inc.

By: 
Michael K. Jaeger

Title: Construction Manager

Date: 12/23/2016



Tanner Pacific Inc.
United States

My Open Punch List Items

#	Title	Type	Assignee Company	Assignee Name	Response Status	Status	Date Initiated	Due Date	Location	Trade	Reference	Priority
25	Install Lift Anchors on Meter Vault Lid (Sht C003, Det 11)					Open	12/23/2016	12/26/2016	RCPS			
24	Repair Maple Street ARV Vault Leak					Open	12/23/2016	12/26/2016	Maple Street			
23	Install Protective Bollards Around Electrical Outlet					Open	12/23/2016	12/26/2016	RCPS			
22	ARV Training					Open	12/23/2016	12/26/2016	RCPS			
21	Outstanding Submittals					Open	12/23/2016	12/26/2016				
20	Remove Temporary Ground Rod					Open	12/22/2016	12/25/2016	RCPS			
19	Supports and 45-degree Fittings for 6-inch Emergency Connections					Open	12/22/2016	12/25/2016	RCPS			
18	Support for 12-inch Emergency Connection					Open	12/22/2016	12/25/2016				
17	Complete and Test Electrical Outlet at Meter Vault					Open	12/22/2016	12/25/2016	RCPS			
16	Adjust Lid for Meter Vault Sump Access					Open	12/22/2016	12/25/2016	RCPS			
15	Install Ladder and Safety Post					Open	12/22/2016	12/25/2016	RCPS			
14	Remove Left-over All-thread					Open	12/22/2016	12/25/2016	Maple Street			
13	Label SVCW FO Box in Maple Street					Open	12/22/2016	12/25/2016	Maple Street			
12	Paint Parking Lines					Open	12/22/2016	12/25/2016	Maple Street			
11	Re-pave Maple Street, RCPS, RCPD					Open	12/22/2016	12/25/2016				
10	Repair Fence, Install Man Gate					Open	12/22/2016	12/25/2016	RCPS			
9	New FO Box Ground Rod					Open	12/22/2016	12/25/2016	RCPS			
8	Cut and Cap 42-inch Discharge Header, Plug Pipe End in Wall					Open	12/22/2016	12/25/2016	RCPS			
7	Repair Incorrect Meter Conduit Cores					Open	12/22/2016	12/25/2016				
6	General Cleanup					Open	12/22/2016	12/25/2016				
5	Re-install FO Box Ground Rod					Open	12/22/2016	12/25/2016	Maple Street			



Tanner Pacific Inc.
United States

Printed on Fri Dec 23, 2016 at 10:52 am PST
 Job #: 001.041 SVCW RCPS 48-inch FM Emergency Repairs (CIP 7005)
 Maple Street
 Redwood City California. 94063

#	Title	Type	Assignee Company	Assignee Name	Response Status	Status	Date Initiated	Due Date	Location	Trade	Reference	Priority
4	Repair Asphalt-Around Manway lid					Open	12/22/2016	12/25/2016	RCPS			
3	Clean Dirt out of Existing Vaults					Open	12/22/2016	12/25/2016	Maple Street			
2	Concrete Damage at Police Driveway					Open	12/22/2016	12/25/2016	RWC Police Station			
1	Repair AT&T concrete pad					Open	12/22/2016	12/25/2016	Maple Street			

**PLANT EFFLUENT OUTFALL LEAK REPAIR (CIP #6012)
FINAL PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of Plant Effluent Outfall Leak Repair (CIP #6012) and Authorization to File Notice of Completion.

BACKGROUND

Final effluent from SVCW's facilities is pumped from the treatment plant main structure beneath the Redwood Shores outboard protective levee for ultimate discharge into San Francisco Bay through a diffuser near the San Mateo Bridge.

The pipe between the main structure and the levee was found to be leaking on several occasions, first noted and temporarily repaired in late 2011, then again in late 2013. In March 2015, staff noted a significantly large stream of water running from behind the plant employee parking lot into the plant storm drain system. Engineering, Operations and Maintenance staff conducted an investigation and determined that the water was coming from the outfall pipe. At that time, the Manager declared an emergency condition so that engineering analysis and repairs could begin immediately.

Diver investigations of the old concrete pipe joints identified varying degrees of gaps beyond what would be expected normally, making it difficult to identify a single specific leaking joint. Further complicating the repair was that the leaking section of pipe is within the jurisdiction of the Army Corps of Engineers and Bay Conservation and Development Commission (BCDC), limiting access to the area and preventing an immediate construction start until the requisite permits are obtained. The location of the pipe in this area makes repair extremely challenging and delicate, ultimately, requiring the affected segment of pipe to be bypassed and causing more work than is typically required to repair a leak. The additional work is even further complicated by the young bay mud substrate that requires a cofferdam shoring system.

The recommended repair was to replace the entire length of reinforced concrete pipe from where it exits the main structure to the levee with a new, continuous fused section of 63-inch HDPE pipe. The layout for a new HDPE pipe was planned in such a way that it brings the pipeline onto the treatment plant property, thus negating the need for an Army Corps of Engineers permit and significantly simplifying the BCDC permitting process. Using an approach that brings a new pipeline onto the treatment plant property shortened the length of the project and significantly reduced its overall cost.

DISCUSSION

In April 2015, the Commission ratified the Manager's Declaration of Emergency and authorized up to \$300,000 for initiating an emergency repair for a recently detected leak in the outfall pipe with instructions to return to the Commission with an estimated repair cost.

The item was returned in May 2015 after preliminary investigations into replacement were complete and the Commission approved a contract to Power Engineering

The item was returned in May 2015 after preliminary investigations into replacement were complete and the Commission approved a contract to Power Engineering Contractors (Power Engineering) in the amount up to \$8,900,000 to replace the leaking outfall pipe. The initial contract authorization to Power Engineering was in an amount of \$8,200,000. Notice to Proceed was issued in June 2015.

Since this was an emergency repair project and the design was not fully vetted upon contract approval, the design and construction occurred nearly concurrently (a process known as “design-assist by a contractor”). SVCW requested the Power Engineering hire Kennedy/Jenks as a subconsultant to act as peer review on the design-assist process. A number of work items changed as design and construction progressed. A number of change orders were presented to the Commission over the course of work and the final change order amount is \$1,582,000 for a total contract amount of \$9,782,000.

Substantial Completion was achieved and the certificate was issued June 30, 2017 (attached). The quality of work by the contractor on the project is excellent and the effluent outfall is in operation; it is expected that this repair completes all necessary work on the effluent outfall for decades to come. Staff recommends the project be accepted and Notice of Completion for the project issued.

FINANCIAL IMPACT

Plant Effluent Outfall Leak Repair is funded from CIP 6012 – Effluent Pipeline and Outfall Reliability Improvement. The 2015 CIP Update allocated \$10,000,000 (this number was decreased from the 2013 CIP Update cost of \$12,450,438). The Effluent Outfall Leak project total construction costs is \$9,782,000. The total project expenditures as of the end of August is \$11,052,667 including construction, engineering and construction management costs. Total expenditures for this project exceed the CIP allocation by approximately 11%.

RECOMMENDATION

Move approval to ACCEPT PLANT EFFLUENT OUTFALL LEAK REPAIR (CIP #6012) AND AUTHORIZE FILING NOTICE OF COMPLETION – POWER ENGINEERING CONSTRUCTION CO.

**Silicon Valley Clean Water
Plant Effluent Outfall Leak Repair, CIP #6012
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of the Plant Effluent Outfall Leak Repair are accepted as Substantially Complete in accordance with Specification Section 01000-1.4 and as defined herein.

As of June 30, 2017, these portions of the Project are accepted:

- a. All work on the Project.

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. Power Engineering Construction Co.:
 - a. The Contractor shall maintain and provide proof of insurance 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 administrative requirements 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: Power Engineering Construction Co.

Construction Manager: Tanner Pacific, Inc.

By: 

By: 

Title: Project Manager

Title: Construction Manager

Date: 6/30/17

Date: 6/30/17

**CCT CONCRETE AND STEEL PROTECTIVE COATING
REPLACEMENT PROJECT (CIP #9107)
FINAL PROJECT ACCEPTANCE**

ISSUE

Final Acceptance of CCT Concrete and Steel Protective Coating Replacement Project (CIP #9107) and Authorization to File Notice of Completion.

BACKGROUND

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

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

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

DISCUSSION

Engineering staff prepared drawings and specifications for the repairs of CCT Pass 1 based on the recommendations of V&A Consulting Engineers. In July 2017, the Commission approved a contract to Redwood Painting Co., Inc. in the amount of \$347,900. Notice to Proceed was issued on August 25, 2017.

The scope of work included surface preparation of the walls and ceiling, grout and chemical crack repair, and coating of metallic piping, fitting and valves in CCT Pass 1. The work related to the coating of the metallic piping, fitting, and valves was deleted due to differing site conditions. There was approximately a quarter-inch of standing water

throughout the tank which created a humid environment, an unacceptable condition to apply the specified coating system. Efforts were made to control the standing water within CCT Pass 1. However, the standing water was largely due to ground water infiltration and leaking valves and could not be sufficiently abated. Due to the strict project schedule, deleting the work assured that the tank would be returned to SVCW Operations by October 15th, allowing the tank to be put into operation for the beginning of the wet weather season. Staff will be working towards a method to enable a contractor to recoat the metallic equipment inside the CCT over the wet weather months with the goal of developing a solution in time for repair work in Passes 2 and 3.

At the end of the project, a contract change order was issued to delete the coating work and unused allowance for the repair of metallic piping, additional coating of metallic surfaces, and additional concrete crack repair. The authorized contract change order total was a credit in the amount \$105,834.98. The final construction contract amount is \$242,065.02.

Substantial Completion was achieved and the certificate was issued October 2, 2017 (attached). The quality of work by the Contractor on the project is excellent and CCT Pass 1 is in operation. Staff recommends the project be accepted and Notice of Completion for the project issued.

FINANCIAL IMPACT

CCT Concrete and Steel Protective Project is funded from CIP #9107 – CCT Concrete and Steel Protective Coating Replacement. The CIP Update allocated \$5,521,003 as of July 2017. The total project expenditures as of the end of August are \$415,235 including construction, engineering and construction management costs.

RECOMMENDATION

Move approval to ACCEPT CCT CONCRETE AND STEEL PROTECTIVE COATING REPLACEMENT PROJECT (CIP #9107) AND AUTHORIZE FILING NOTICE OF COMPLETION – REDWOOD PAINTING CO., INC.

**Silicon Valley Clean Water
CCT Concrete and Steel Protective Coating Replacement, CIP #9107
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of the CCT Concrete and Steel Protective Coating Replacement are accepted as Substantially Complete in accordance with Specification Section 01000-1.4 and as defined herein.

As of October 2, 2017, these portions of the Project are accepted:

- a. All work on the Project.

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. Redwood Painting Co., Inc.:
 - a. The Contractor shall maintain and provide proof of insurance 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 administrative requirements 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: Redwood Painting Co., Inc.

By: 

Pedro Medrano
CHARLES DEL MONTE

Title: ~~Project Manager~~
PRESIDENT

Date: 10/19/17

Construction Manager: Tanner Pacific, Inc.

By: 

William Tanner, P.E.

Title: Construction Manager

Date: 10/20/17

**WWTP IMPROVEMENTS PHASE 2
FIXED PRICE DESIGN BUILD REQUEST FOR PROPOSALS****ISSUE**

Approve Fixed Price Design Build Requests for Proposals for Wastewater Treatment Plant Improvements Phase 2 project.

BACKGROUND

The original wastewater treatment plant had been operating for more than 35 years when the SVCW Capital Improvement Program (CIP) began and significant work towards rehabilitating aging equipment has been completed. Many of the treatment plant processes and systems have been upgraded over the past 9 years under WWTP Improvements Phase 1 work of the CIP. This project consists of capital improvements projects defined under WWTP Improvements Phase 2.

WWTP Improvements Phase 2 projects are comprised of seven project components:

- Replacement of Aeration Blowers (CIP #9186)
- Aeration Basin Venturi Removal (CIP #9220)
- Dual Media Filter (DMF) Pump and Discharge Piping Replacement (CIP #9189)
- Backup Cooling Water for three standby generators in SHB (In-Plant Recycled Water System Expansion) (CIP #9197)
- FEP Connection to Chlorine Mix Box (CIP #9224)
- Rotary Press Phase 2 (CIP #9169)
- Rotary Press Phase 3 (CIP #9173)

In April 2017, SVCW staff recommended using a fixed price Design-Build procurement process for completing the WWTP Improvements Phase 2 project and the Commission approved moving forward with such process. Fixed price Design-Build requires preparation of “bridging documents” which entails a 30% design level of plans and specifications. The bridging documents, also referred to as Procurement Documents, are attached to the Request for Proposals and Design-Build entities interested in proposing on the work provide a fixed price cost for completing both the design and the construction.

SVCW’s Design-Build Policy (Policy No. 2016-01, as amended; “Policy”) provides the process for a Design-Build procurement. One step of the process is for the Manager to submit the Procurement Documents to the Commission with the concurrent recommendation to issue Requests for Qualifications. However, in the case of a fixed price (or lump sum) Design-Build delivery method, the Procurement Documents are not prepared until the Request for Proposals stage; *this is so because* unlike the Progressive Design-Build process, under the Fixed Price method, the Request for Proposals (RFP) needs to be very specific as to design and price. ¹

¹ Although the Policy does not specifically address fixed-priced (or lump sum) Design-Build project delivery method, issuing the Procurement Documents in conjunction with the Request for Proposals meets the Policy’s objective of approving Procurement Documents that are well-developed and that set forth both the scope and estimated price of a Design-Build project so as to enable SVCW to make a Best Value determination.

The Procurement Team has been working diligently with engineering consultants (Owner's Advisors) and Legal Counsel to draft Requests for Qualifications and Request for Proposals (RFP) for the project. The RFQ was issued on September 22, 2017. The Owner's Advisor is currently developing the Procurement Documents which will be included as part of the RFP and expected to be issued in the third week of November 2017 upon approval by the Commission.

DISCUSSION

The project will use the Fixed Price Design-Build process. Under the Fixed Price method, the Request for Proposal (RFP) needs to be very specific and prescriptive (30% design level) in what the Owner requires. This leaves little room for Owner input to the design as the Design-Build entity carries the project forward. The Design-Build entity has already provided a cost and is held accountable to that cost. This form of design-build is typically used when innovative and highly complex design/construction projects are not part of the overall project. In contrast, under the Progressive Design-Build process, the RFP contains much less prescriptive requirements and allows flexibility to both the Owner and Design-Builder to innovate, value engineer, and design to the prescribed performance standards up to the point of entering the final negotiated contract.

After reviewing the projects included under WWTP Improvements Phase 2, the different procurement methods, and the fundamental rationale for using design-build, it is clear to staff that the set of projects under this package will benefit from using a Fixed Price Design-Build process. The main advantage to SVCW in this particular case is in the ability to specify those aspects of the work most critical to treatment process functionality. The RFP will have detailed requirements brought to the 30% design level, thus ensuring that the Design-Build entity incorporates the critical aspects while using their own methods for bringing efficiencies to the project on other, less critical design and construction aspects.

It is anticipated that the entire schedule for the design and construction will take approximately 18 months and could be completed as soon as late 2020. Staff is evaluating the optimum timing for proposals and financing options. The Manager will make a subsequent recommendation to the Commission for awarding the design-build contract once the RFP is issued and proposals are received.

FINANCIAL IMPACT

There are seven CIP projects included under the WWTP Improvements Phase 2 as listed below and with the respective allocated CIP funding:

CIP 9169 – Rotary Press Phase 2	\$1.29 million
CIP 9173 – Rotary Press Phase 3	\$1.39 million
CIP 9186 – Replacement of Aeration Blowers	\$2.65 million
CIP 9189 – DMF Pumps & Valves	\$1.88 million
CIP 9197 – Backup Cooling Water for Generators	\$0.27 million
CIP 9220 – Aeration Basin Venturi Removal	\$1.30 million
CIP 9224 – FEP Connection to Chlorine Mix Box	\$0.23 million

This action has minimal financial impact as it does not obligate SVCW to expenditures of funds for the projects. Staff will bring a contract to the Commission for approval in the future and prior to the commencement of the project.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING REQUEST FOR PROPOSAL AND PROCUREMENT DOCUMENTS FOR WWTP IMPROVEMENTS - PHASE 2 PROJECT AND AUTHORIZE MANAGER TO ISSUE REQUEST FOR PROPOSALS TO INTERESTED DESIGN-BUILD ENTITIES.

**EMERGENCY REPAIR OF THE 12kV
TREATMENT PLANT POWER SUPPLY**

ISSUE

Authorize the Manager to Approve Expenditure of Funds for the Necessary Repairs to the Treatment Plant 12kV Electrical Supply.

BACKGROUND

At the September 14, 2017 meeting, the Commission was informed that a 12kV vault located on the South side of the Solids Handling Building (SHB) was subsiding due to site soils conditions and creating a potential power supply disruption to critical plant operations. Staff also reported that Power Engineering Construction was performing investigation of the site to determine the extent of the problem and assist in developing a solution for the repair. The Commission adopted Resolution No. SVCW 17-57 declaring the existence of an emergency condition and approving the emergency expenditure of funds and approving and ratifying necessary agreements for the repair of essential facilities up to \$300,000.

Since September, staff has been working with an electrical designer (Beecher Engineering) and contractors (Power Engineering and DW Nicholson) to design and relocate a permanent route for the 12 kV conduits that supply power to the Solids Handling Building (SHB) and ultimately to all plant equipment and processes. Staff has investigated several alternative pathways and has determined that using the underground tunnel as a bridge between the main building and the SHB for the final design is the best solution to the problem. The underground tunnel is pile supported and will offer the most stable pathway between the buildings to ensure the new conduits and vault will not subside in the future. The design also includes using two Automatic Transfer Switches (ATS) to allow for the electrical connections for power transfer to mobile generators during the final 12kV connections to the transformers. Once installed, the ATS will also be available for future use in case of any long-term power disruptions. This project will expend more than the currently authorized amount of \$300,000 and this action is seeking additional funding approval from the Commission.

DISCUSSION

The design and equipment procurement is ongoing; Power Engineering, DW Nicholson and Beecher Engineering are working in conjunction with SVCW staff to accomplish the work. Beecher Engineering is SVCW's primary electrical design engineer, Power Engineering is a construction contractor that SVCW typically uses to address emergency repairs, and DW Nicholson is an electrical contractor who has done an extensive amount of electrical construction for SVCW. During the investigatory process to identify the best conduit route and equipment placement, the contractors identified an additional challenge for the team to address. The proposed route of the new structures and conduits conflict with the existing 12kV vault, making construction of the new facilities difficult without interrupting power to the treatment plant. The recommended solution is to route a temporary 12 kV feeder line around the construction zone to free up the space needed to install the new structures. Although this does add construction

costs, it has been determined to be the most efficient and cost-effective method to ensure power to the treatment plant will not be interrupted.

The ATS equipment has a long-lead time for shipment (12 to 15-weeks). Beecher Engineering has provided the required equipment specifications and the Manager has authorized the purchase of the equipment to expedite the delivery and avoid delay to the project. The delivered cost for the two required ATS is \$195,000.

SVCW Engineering Staff has worked with the contractors and Beecher Engineering to develop a budget for the entire work scope. This amount was included in the recently updated 2017 CIP Plan in the amount of \$2,347,412 which includes the initial emergency authorization of \$300,000.

FINANCIAL IMPACT

Funding for this emergency work will be from CIP Project #9808, with the allocated budget of \$2,347,412. Due to the emergency nature of the work, all costs will be paid on a time and material basis.

RECOMMENDATION

- i. Move approval of DETERMINATION OF CONTINUED EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY IN ACCORDANCE WITH RESOLUTION NO. SVCW 17-57 AND WARRANTING CONTINUATION OF SUSPENSION OF COMPETITIVE BIDDING PROCEDURES (TREATMENT PLANT 12 KVA ELECTRICAL SUPPLY) (4/5^{ths} weighted vote required)
- ii. Move approval of EXPENDITURES UP TO \$2,347,412 AT THE DIRECTION OF THE SVCW MANAGER FOR REPAIR OF TREATMENT PLANT 12kv POWER SUPPLY (CIP #9808) AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS

**APPROVAL OF AMENDMENT TO
MASTER SERVICES AGREEMENT**

ISSUE

Authorize an Amendment to DNS Strategic Partners' Master Services Agreement to Include DNS Strategic Partners, LLC in Silicon Valley Clean Water's (SVCW) Non-Disclosure Agreements (NDA).

BACKGROUND

SVCW entered into a Master Services Agreement with DNS Strategic Partners, LLC on August 10, 2017 for Operations, Maintenance, and Engineering Coordination Services. This is the first amendment to this agreement.

DISCUSSION

From time to time, SVCW enters into mutual Non-Disclosure Agreements with various private entities for specific projects or programs. E.J Shalaby, Senior Consultant, with DNS Strategic Partners, LLC may be asked to support or coordinate efforts on behalf of SVCW on specific projects or programs that involve proprietary processes or equipment, in such cases, an agreement between SVCW and any private entity will extend to DNS Strategic Partners, LLC. Therefore, staff desires to amend the agreement with DNS Strategic Partners, LLC to provide that SVCW's NDA's with various private entities will extend to work performed by DNS Strategic Partners, LLC on behalf of SVCW.

FINANCIAL IMPACT

There is no fiscal impact to approve this amendment.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING AMENDMENT TO THE MASTER SERVICES AGREEMENT WITH DNS STRATEGIC PARTNERS, LLC.

**FRONT OF PLANT PROJECT (CIP #6013, 6014, AND 9160)
DESIGN BUILD STAGE 1 AGREEMENTS**ISSUE

Approval of Design-Build Agreement for JF Shea/Parsons Joint Venture, Brown and Caldwell Task Order and Freyer and Laureta Task Order for Owner Engineering Advisor Services, Tanner Pacific Task Order for Construction Quality Assurance Services Associated with Stage 1 of the Front of Plant Project and Kennedy/Jenks RESCU Program and Front of Plant Project Management Services.

BACKGROUND

SVCW's Regional Environmental Sewer Conveyance Upgrade (RESCU) Program includes conveyance system improvements to transport wastewater from member agencies' collection systems to the SVCW wastewater treatment plant. A major component of the conveyance system is the Front of Plant projects which include: 1) Receiving Lift Station (RLS) which will lift the wastewater from the gravity pipeline to the surface to be 2) screened and de-gritted by the new Headworks (HWKS) before flowing to the plant in 3) the new Influent Connector Pipe (ICP). The Front of Plant project is composed of the RLS, HWKS and ICP in addition to various electrical, site civil and odor control projects.

In January 2016, the Commission approved a policy establishing a procedure for implementing the Design-Build process for the delivery of construction projects. This policy was updated in March and May of 2017 and was followed for implementation of the Front of Plant Design-Build procurement process. In April 2017, the Commission specifically approved Progressive Design Build Requests for Qualifications for the Gravity Pipeline and Front-of-Plant projects.

The following process was implemented leading to the recommendation of a Design-Build company for the Front of Plant Project:

- Manager appointed a D-B Procurement Team
- Procurement Team prepared documents setting forth scope and estimated price of project ("Procurement Documents")
- Procurement Team prepared the Request for Qualifications (RFQ)
- Manager submitted Procurement Documents to Commission for approval concurrent with recommendation to issue RFQ (April 2017)
- Prequalification process commenced, including the requirement for use of a skilled and trained workforce
- Procurement Team prepared a Request for Proposal to be issued to the short-listed D-B firms
- Upon receipt of proposals, Procurement Team evaluated and ranked the firms; Manager submits to the Commission the tentatively selected firm with a recommendation to award the contract (subject of this Commission action item).
- The award of the D-B contract is publicly announced by Manager with a statement regarding the basis of the award.

DISCUSSION

Five companies presented Statements of Qualifications from which the Procurement Team shortlisted three firms and issued a Request for Proposal. The three shortlisted firms were:

- CDM-Smith/CDM Constructors with CDM-Smith as the design engineer.
- Shimmick – Jacobs Engineering with Jacobs as the design engineer
- JF Shea/Parsons with Parsons as the design engineer

The Procurement Team conducted an exhaustive and thorough process considering each firm, including evaluating the proposals, performing reference checks, participating in reference site visits, conducting interviews and reviewing cost proposals. The Procurement Team came to the unanimous decision to recommend to the Commission that the contract be awarded to the JF Shea/Parsons Joint Venture.

Prior to bringing the recommendation to the Commission, SVCW management met with the Shea/Parsons JV management to negotiate the tentative terms of the Design-Build Agreement. The Design Build Agreement includes the following components:

- Defines the Design-Build Team (names individuals and firms) and relationship of the parties
- Owner's Obligations
- Design-builder's Obligations
- Subcontractors
- Compensation and contract time
- Changes and payment
- Indemnification
- Insurance and bonds
- Warranty of the Work
- Various miscellaneous provisions

The proposed agreement addresses both Stage 1 (the subject of this Commission action item) as well as Stage 2. Stage 1 brings the current design (about 10% design) to 60% design and includes preparation and negotiation of pricing for Stage 2. Stage 2 then includes completing the design and construction of the Front of Plant Project. Stage 2 will be brought to the Commission for consideration as an amendment to the Design-Build proposed agreement recommended for approval in this action item. Consideration will be given during stage 1 to an approach that would lower project costs by phasing Stage 2 to possibly include early procurement of major equipment such as RLS pumping equipment and could also include early release of construction work such as soil stabilization or pile foundation work.

Prior to bringing the Stage 2 amendment(s) to the Commission for consideration two independent cost estimates will be prepared (one by SVCW's Owners Engineering Advisor and one by SVCW's Construction Quality Assurance consultant). Differences among the two prices will be resolved and negotiated to arrive at a recommended price for Stage 2 that will be competitive in the marketplace at the time.

The recommended award of the work to the Shea/Parsons JV is on the basis of best value considering the criteria and point system described in the Request for Proposals. The Shea/Parsons JV was determined to provide the best value to SVCW based on their superior qualifications, experience, approach to the project and pricing in combination. The recommended contract amount for Stage 1 services is \$7,146,186.

Also recommended for approval in this action item are Task Orders for Brown and Caldwell for Owner Engineering Advisor Services; Freyer and Laureta for Owner Engineering Advisor Services related to site Civil work; and Tanner Pacific for Construction Quality Assurance Services associated with Stage 1 of the Front of Plant Project. Additionally, Kennedy Jenks will provide support services to the SVCW Engineering Director and Owner's Representative for the overall RESCU Program, the Gravity Pipeline project, and the Front of Plant project. Together, all these authorizations will round out the requirements for the Stage 1 work for both Progressive Design-Build projects and for the next 18 months of RESCU Program needs.

Brown and Caldwell services as Owner's Engineering Advisor will include assisting SVCW staff with administration and coordination of the Stage 1 work, assistance with review of project designs and preparation of an independent cost estimate for Stage 2 and assistance with negotiation of the Stage 2 Design-Build amendment.

The Freyer and Laureta Owners Engineering Advisor scope will be to assist SVCW staff in tasks above as specifically related to site Civil work including topographical surveys, soils composition analysis, site grading and paving, and storm water and landscaping design.

Tanner Pacific Construction Quality Assurance Services will include assisting SVCW project team with document management, development of construction schedules and staging plans, review of piles and deep shaft designs for constructability, review of approaches to protect existing structures and facilities and preparation of an independent cost estimate for completion of Stage 2 for comparison with pricing submitted by the Design-Builder. As a subconsultant to Tanner Pacific, the firm of PMA will develop a document management system that will conform to the RESCU Program and individual project needs. The system will be based on a Microsoft Sharepoint system and SVCW staff and its support consultants as well as the respective Design-Build teams will be able to use the system for file and information sharing.

As a means of minimizing project costs and given the variableness of the need that SVCW will have for assistance for Owner's Engineering Advisor and Construction Quality Assurance services each of the three task orders is structured with a base amount and additional services. Additional services will be authorized by the SVCW Manager on an as-needed basis. The recommended Task Order amounts represent the total of the base and additional services.

Kennedy Jenks' services will include RESCU Program support for the SVCW Engineering

Director and Owner's Representative management assistance. The Owner's Representative is SVCW's Assistant Manager/Chief Engineering Officer whose role is to oversee the entire Progressive Design-Build projects and the RESCU Program. Kennedy Jenks has been providing support services for the life of the conveyance system program and is intimately familiar with the program and project needs. Their work is on an as-needed basis and will be directed by SVCW's Owner's Representative.

A summary of the authorization amounts for each item included in this agenda item is:

Shea/Parsons PDB Agreement, Stage 1:	\$7,146,186
BC Owner's Engineering Advisor Task Order:	\$1,924,279
TPI Quality Assurance/Program Document Management Task Order:	\$3,626,362
F&L Owner's Engineering Advisor Task Order:	\$351,160
KJ Management Assistance Task Order:	\$614,950

The total authorization requested for the five items described above is \$13,662,937.

FINANCIAL IMPACT

The scope represented by this work will be funded from the following Front of Plant CIP projects.

- CIP #6013 Receiving Lift Station and FoP Site Civil
- CIP #6014 Influent Connector Pipe
- CIP #9160 WWTP Headworks

The total of the above CIP projects that encompass the FoP project have an allocated budget of \$126 million. To date, approximately \$2.7 million has been expended. The total not-to-exceed amount for the three actions in this agenda item is \$13,662,937.

RECOMMENDATION

- Move adoption of RESOLUTION APPROVING DESIGN BUILD AGREEMENT DOCUMENTS FOR FRONT OF PLANT PROJECT (CIP #6013, 6014,9160); AND AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT – SHEA/PARSONS JOINT VENTURE - (\$7,146,186)
- Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE FRONT OF PLANT (CIP #6013, 6014, 9160); IN AN AMOUNT NOT TO EXCEED \$1,924,279 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL
- Move approval of TASK ORDER SCOPE AND BUDGET FOR CONSTRUCTION QUALITY ASSURANCE SERVICES FOR THE FRONT OF PLANT (CIP #6013, 6014, 9160); IN AN AMOUNT NOT TO EXCEED \$3,626,362 AND AUTHORIZE

MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – TANNER PACIFIC INC.

- iv. Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE FRONT OF PLANT (CIP #6013, 6014, 9160); IN AN AMOUNT NOT TO EXCEED \$351,160 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – FREYER AND LAURETA
- v. Move approval of TASK ORDER SCOPE AND BUDGET FOR OWNER'S REPRESENTATIVE ASSISTANCE FOR THE RESCU PROGRAM IN AN AMOUNT NOT TO EXCEED \$614,950 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY/JENKS