

**COMMISSION OF SILICON VALLEY CLEAN WATER
JOINT POWERS AUTHORITY
REGULAR MEETING – Thursday, May 10, 2018
8:00 a.m.**

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

COMMISSIONERS

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

MANAGER: DANIEL T. CHILD

ATTORNEY FOR THE AUTHORITY: CHRISTINE C. FITZGERALD

CONTROLLER/TREASURER: KIMBRA McCARTHY

AMERICANS WITH DISABILITIES ACT

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

AGENDA

1. CALL TO ORDER

2. ROLL CALL

3. PLEDGE OF ALLEGIANCE

4. PUBLIC COMMENT

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

5. SAFETY MOMENT and REPORTS

- A. Safety Moment
- B. Manager's Report (verbal)
- C. Financial Reports
 - 1. Investment Report March 31, 2018
 - 2. Quarterly Financial Report Report / Discussion
- D. Engineering CIP Projects Status Update April 2017
- E. Commission Requested Staff-Level Action Items
- F. RESCU Program Status Update April 2017

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR

8. BUSINESS ITEMS

- A. CONSIDERATION OF RESOLUTION APPROVING PURCHASE OF MOBILE OFFICE FACILITIES SERVING AS OFFICES FOR THE RESCU PROGRAM TEAMS

Proposed Actions:

(i) Move to SUSPEND COMPETITIVE BIDDING FOR PURCHASE OF MOBILE OFFICE FACILITIES FOR THE RESCU PROJECT AT A SIGNIFICANT COST SAVINGS ON THE GROUNDS THAT IT WOULD NOT SERVE THE PUBLIC INTEREST (5/7th weighted vote required)

(ii) Move adoption of RESOLUTION APPROVING PURCHASE OF MOBILE OFFICE FACILITIES FOR THE RESCU PROJECT; ACCEPTING QUOTE FROM MOBILE MODULAR MANAGEMENT IN THE AMOUNT OF \$489,903; AUTHORIZING EXECUTION OF PURCHASE AGREEMENT, AND AUTHORIZING USE OF FUNDS FROM THE GRAVITY PIPELINE (CIP #6008), RECEIVING LIFT STATION (CIP #6013), HEADWORKS (CIP #9160) AND INFLUENT CONNECTOR PIPE (CIP #6014) PROJECTS – (MOBILE MODULAR MANAGEMENT)

- B. CONSIDERATION OF RESOLUTION AMENDING SECTIONS OF THE JOINT POWERS AGREEMENT RELATED TO THE AUTHORITY'S TREASURER AND CONTROLLER ROLES.

Proposed Action: Move adoption of RESOLUTION PROPOSING AMENDMENTS TO SECTIONS 1.16, 1.36, 3.2, 3.3, 6.5, 6.6, AND 6.7 OF JOINT EXERCISE OF POWERS AGREEMENT ESTABLISHING SOUTH BAYSIDE SYSTEM AUTHORITY, NOW KNOWN AS

SILICON VALLEY CLEAN WATER, RELATING TO THE DESIGNATIONS AND ASSIGNMENTS
OF TREASURER AND CONTROLLER OF THE AUTHORITY

9. CLOSED SESSION

A. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to Section 54956.9(b) and (d)(2) (one potential case)

B. PUBLIC EMPLOYEE APPOINTMENT (Govt. Code Section 54957)

Title: Acting Manager

C. LABOR NEGOTIATIONS (Govt. Code Section 54957.6(a))

AGENCY NEGOTIATORS: Teresa Herrera, SVCW Asst. Manager

Matt Anderson, Chief Financial Officer/Admin. Manager

Jennifer Flick, SVCW Human Resources Director

Monte Hamamoto, SVCW Chief Operating Officer

Darrell Murray, IEDA

EMPLOYEE ORGANIZATION: IUOE LOCAL 39

D. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

(Govt. Code Section 54956.9(d)(4)) Number of Potential Cases: 1

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

11. ADJOURN

CONSENT CALENDAR

NOTICE TO PUBLIC

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

7. A. APPROVAL OF MINUTES – April 12, 2018, Meeting
- B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED APRIL 06, 2018, APRIL 20, 2018 AND MAY 01, 2018, AND NECESSARY PAYMENTS FROM APRIL 06, 2018 THROUGH MAY 04, 2018.
- C. CONSIDERATION OF MOTION AUTHORIZING THE BORROWING OF NOT TO EXCEED \$65,000,000 FROM WELLS FARGO UNDER A REVOLVING LINE OF CREDIT, AND APPROVING RELATED FINANCING DOCUMENTS AND OFFICIAL ACTIONS

Proposed Action: Move adoption of RESOLUTION OF THE COMMISSION OF SILICON VALLEY CLEAN WATER AUTHORIZING THE AMENDMENT OF A CREDIT AGREEMENT WITH WELLS FARGO BANK, NATIONAL ASSOCIATION, AND APPROVING RELATED FINANCING DOCUMENTS AND OFFICIAL ACTIONS

- D. CONSIDERATION OF MOTION APPROVING CHANGES TO SILICON VALLEY CLEAN WATER RECORDS RETENTION SCHEDULE

Proposed Action: Move adoption of RESOLUTION APPROVING REVISION 1 TO SILICON VALLEY CLEAN WATER RECORDS RETENTION SCHEDULE

SILICON VALLEY CLEAN WATER

JOINT POWERS AUTHORITY - A PUBLIC ENTITY



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CITY OF SAN CARLOS | CITY OF REDWOOD CITY | CITY OF SELMONT | WEST BAY SANITARY DISTRICT

SILICON VALLEY CLEAN WATER INVESTMENT LISTING March 31, 2018

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%	-	-	-	-	-
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2020	5.000%	2.74	33,886	34,495	35,749	945
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	2.32	60,000	60,060	61,478	1,395
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	2.43	30,000	29,138	30,315	707
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/17/2018	1.950%	2.15	100,000	100,029	100,482	2,153
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.763%	1.75	50,000	50,000	49,959	873
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	2.40	50,000	51,338	51,916	1,231
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/13/2019	4.500%	2.26	100,000	103,122	104,952	2,327
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	2.36	30,000	29,429	30,316	693
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	2.41	100,000	97,679	99,839	2,349
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	2.44	100,000	97,000	99,664	2,370
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	2.36	60,000	59,849	60,458	1,412
FEDERAL NATL MTG ASSN GTD REMIC	NR	09/25/2019	2.171%	2.53	134,448	133,513	136,213	3,382
FEDERAL NATL MTG ASSN	AA+	09/25/2020	1.750%	2.52	100,000	98,492	100,591	2,483
FEDERAL HOME LN MTG CORP MULTICLASS	NR	11/25/2019	1.869%	2.41	125,523	124,249	125,347	2,999
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	2.21	30,000	29,860	30,380	660
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	2.25	30,000	29,550	30,155	665
FEDERAL HOME LN MTG CORP MULTICLASS	N.A.	04/15/2020	4.000%	2.46	18,707	18,772	19,268	461
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2019	5.500%	2.79	21,773	22,074	23,025	616
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	03/01/2020	5.500%	4.59	812	814	842	37
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2020	5.000%	2.78	16,641	16,958	17,566	471
GNMA II PASSTHRU CTF POOL #003421	N.A.	08/20/2018	4.500%	3.09	2,271	2,266	2,379	70
GENERAL ELEC CAP CORP MTN	A	08/07/2018	2.063%	2.64	75,000	75,006	74,771	1,977
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	2.10	50,000	50,202	50,430	1,054
SMALL BUSINESS ADMIN GTD LN POOL	N.A.	02/25/2019	4.325%	3.12	18,017	18,055	18,695	564
U S BANCORP MTNS BK ENT FR	A+	11/15/2018	1.950%	2.33	50,000	49,850	50,051	1,159
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	2.48	50,000	49,781	49,784	1,235
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	2.08	80,000	79,581	80,000	1,654
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	2.54	100,000	97,903	100,039	2,482
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	2.69	100,000	99,654	104,081	2,684
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.78	100,000	99,922	103,785	2,773
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	2.47	110,000	113,154	115,790	2,798
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	2.29	80,000	78,594	80,000	1,801
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.67	60,000	58,714	60,000	1,565
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.74	40,000	38,993	40,000	1,067
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	2.41	80,000	78,511	80,000	1,891
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	2.44	150,000	147,707	150,000	3,603
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	2.33	70,000	68,636	69,658	1,598
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	2.52	70,000	67,307	69,176	1,693
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	2.56	35,000	34,751	35,991	889
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/29/2020	1.830%	2.40	140,000	138,292	140,958	3,322
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	1.750%	2.35	140,000	138,032	140,806	3,244
FEDERAL NATL MTG ASSN	AA+	05/06/2021	1.250%	2.44	90,000	86,791	89,012	2,121
FEDERAL NATL MTG ASSN	AA+	08/17/2021	1.250%	2.47	90,000	86,374	88,756	2,130
FEDERAL NATL MTG ASSN	AA+	09/28/2020	1.750%	2.49	30,000	29,509	30,000	735
ALTRIA GROUP INC SR NT	A-	08/09/2022	2.850%	3.36	30,000	29,374	30,257	988
US TREASURY NOTE	NR	03/15/2020	1.625%	2.29	50,000	49,368	49,751	1,129
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/11/2020	1.620%	2.50	140,000	137,266	137,964	3,428
FEDERAL HOME LN MTG CORP	AA+	03/26/2021	2.700%	2.70	50,000	50,010	49,938	1,352
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/15/2020	2.500%	2.49	100,000	99,954	99,925	2,491
CASH & EQUIVALENTS	-	-	-	1.44	-	155,455	155,455	2,239
Annual OPS and CAP Budget Reserve Total						\$ 3,495,430	\$ 3,555,963	\$ 83,964

Broker/Dealer	Composite	Coupon	Yield to				Estimated
Investment Name	Credit	Maturity	Rate	Maturity	Par Value	Market Value	Annual \$ Yield
						Cost	Earnings
Capital Improvement Program Reserve							
APPLE INC SR FLT NT	AA+	02/07/2020	2.050%	2.35	100,000	100,308	2,356
BERGEN CNTY N J TAXABLE GO BDS 2008	N.A.	11/01/2019	6.000%	2.33	100,000	102,210	2,376
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	3.06	100,000	100,315	3,071
CALIFORNIA ST GO BDS TAXABLE	AA-	10/01/2019	6.200%	2.04	100,000	105,489	2,147
CHEVRON CORPORATION SR NT	AA-	03/03/2019	4.950%	2.51	100,000	102,154	2,563
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	2.59	125,000	128,884	3,341
COLGATE PALMOLIVE CO MTNS FR	AA-	11/01/2018	1.500%	2.32	100,000	99,524	2,308
EXXON MOBIL CORP SR FLT NT	AA+	03/15/2019	2.275%	2.35	100,000	100,160	2,358
FEDERAL HOME LN MTG CORP PARTN CTF	N.A.	03/01/2018	5.000%	-	-	-	-
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	3.04	17,380	17,474	531
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	2.32	340,000	340,340	7,906
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	2.43	100,000	97,125	2,355
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/22/2018	5.050%	2.05	20,000	20,177	414
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/06/2020	5.300%	2.48	450,000	476,033	11,825
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/03/2019	5.320%	2.33	50,000	52,162	1,213
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	2.38	60,000	60,595	1,444
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	2.26	250,000	248,048	5,598
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	2.27	60,000	62,357	1,416
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	4.625%	2.40	200,000	208,608	5,037
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/14/2018	3.750%	2.26	250,000	252,825	5,721
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	2.40	25,000	25,669	615
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	4.125%	2.29	125,000	128,780	2,943
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	2.41	700,000	723,408	17,420
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	2.27	100,000	98,856	2,244
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	2.36	50,000	49,049	1,156
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	2.41	170,000	166,054	3,994
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	2.41	325,000	320,450	7,713
FEDERAL NATL MTG ASSN	AA+	02/28/2021	1.375%	2.44	240,000	232,800	5,687
FEDERAL NATL MTG ASSN	AA+	11/27/2018	1.625%	2.36	150,000	149,622	3,531
FEDERAL HOME LN MTG CORP MULTICLASS	NR	06/25/2020	3.531%	2.71	100,000	101,662	2,751
FEDERAL HOME LN MTG CORP	AA+	06/13/2018	4.875%	2.05	115,000	115,680	2,367
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	2.17	500,000	507,585	11,030
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	2.21	50,000	49,767	1,099
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	2.25	50,000	49,251	1,108
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	-	250,000	249,653	-
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	2.680%	2.55	463,904	463,732	11,825
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	04/01/2019	5.000%	2.67	22,293	22,644	605
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	3.35	202,551	207,137	6,939
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	2.10	25,000	25,101	527
MICROSOFT CORP NT	AAA	06/01/2019	4.200%	2.15	100,000	102,398	2,196
MONONA WIS TAXABLE PROM NTS 2015B	N.A.	06/01/2020	3.250%	3.01	100,000	100,440	3,020
NEW YORK N Y GOBDS 2011 C TAXABLE	AA	10/01/2018	3.480%	2.45	100,000	100,676	2,469
TENNESSEE VALLEY AUTH PWR BD 2008 B	NR	04/01/2018	4.500%	2.03	500,000	500,000	10,125
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	2.08	100,000	99,476	2,068
MONTGOMERY CNTY MD CTF PARTN COPS	N.A.	11/01/2019	1.200%	2.54	100,000	97,903	2,482
RICHMOND VA GO PUB IMPT BDS C	AA	07/15/2021	2.599%	2.69	100,000	99,654	2,684
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	3.05	100,000	98,494	3,001
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	2.86	100,000	99,193	2,839
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.77	100,000	96,700	2,680
PORT MORROW ORE TRANSMISSION F REV	AA	09/01/2021	2.737%	2.78	225,000	224,825	6,239
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	2.47	165,000	169,731	4,197
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	2.62	260,000	253,466	6,641
FEDERAL HOME LN MTG CORP	AA+	12/30/2019	1.500%	2.29	260,000	255,429	5,852
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	2.51	340,000	332,619	8,332
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.67	80,000	78,286	2,087
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.74	120,000	116,980	3,202
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	2.41	80,000	78,511	1,891
FEDERAL HOME LN MTG CORP	AA+	05/15/2020	1.600%	2.44	220,000	216,636	5,284
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.63	220,000	214,678	5,635
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.68	220,000	219,870	5,895
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	2.33	290,000	284,348	6,620
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	2.52	140,000	134,614	3,386
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	2.56	310,000	307,796	7,870
FEDERAL NATL MTG ASSN	AA+	01/05/2022	2.000%	2.57	610,000	597,916	15,366
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	1.750%	2.35	170,000	167,610	3,939
FEDERAL NATL MTG ASSN	AA+	05/06/2021	1.250%	2.44	170,000	163,938	4,007
FEDERAL NATL MTG ASSN	AA+	08/17/2021	1.250%	2.47	170,000	163,151	4,023
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2022	1.900%	2.58	165,000	160,197	4,127
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	08/03/2022	1.900%	2.59	165,000	160,159	4,142
FEDERAL NATL MTG ASSN	AA+	04/05/2022	1.875%	2.55	170,000	165,638	4,224
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2022	1.850%	2.58	130,000	125,886	3,250
FEDERAL NATL MTG ASSN	AA+	09/28/2020	1.750%	2.49	120,000	118,036	2,940
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/04/2022	2.100%	2.78	220,000	214,958	5,967
FEDERAL HOME LN MTG CORP	AA+	10/12/2021	2.000%	2.63	120,000	117,580	3,089
BANK AMER CORP FR	A-	05/13/2021	5.000%	3.17	75,000	79,020	2,502
CONSTELLATION BRANDS INC SR GLBL NT	BBB-	11/06/2020	2.250%	3.06	25,000	24,462	748
HOME DEPOT INC SR GLBL NT	A	04/01/2021	2.000%	2.83	80,000	78,070	2,205
LORILLARD TOB CO SR NT	BBB	05/01/2020	6.875%	3.38	25,000	26,812	907
MORGAN STANLEY SR NT	A-	01/27/2020	2.650%	2.96	80,000	79,507	2,354
ORACLE CORP SR GLBL	A+	05/15/2022	2.500%	2.99	80,000	78,430	2,343
PHILIP MORRIS INTL INC SR NT	A	03/26/2020	4.500%	2.89	25,000	25,736	744

Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
STARBUCKS CORP SR GLBL	A-	02/04/2021	2.100%	2.82	80,000	78,396	79,979	2,211
3M CO FR	A+	06/26/2022	2.000%	2.88	100,000	96,609	98,867	2,785
FEDERAL HOME LN MTG CORP	AA+	12/29/2021	2.250%	2.71	120,000	118,294	120,000	3,202
FEDERAL HOME LOAN BKS CONS BDS	AA+	10/26/2022	2.280%	2.75	100,000	98,056	99,600	2,693
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/11/2020	1.620%	2.50	400,000	392,188	394,184	9,793
FEDERAL HOME LOAN BKS CONS BDS	AA+	11/29/2021	1.875%	2.51	300,000	293,481	295,479	7,375
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/15/2021	2.200%	2.66	300,000	296,643	298,050	7,891
FEDERAL NATL MTG ASSN	AA+	11/26/2019	1.750%	2.26	300,000	297,561	298,519	6,710
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	05/17/2021	1.970%	2.64	100,000	98,134	98,215	2,588
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/15/2020	2.500%	2.49	160,000	159,926	159,880	3,985
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	11/22/2021	2.740%	2.88	100,000	100,018	99,975	2,879
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/01/2021	2.750%	2.78	60,000	60,003	59,970	1,667
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/01/2020	2.450%	2.56	90,000	89,896	89,978	2,301
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	03/07/2022	2.850%	2.86	100,000	100,007	100,000	2,863
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/20/2021	2.840%	2.87	100,000	100,027	100,000	2,872
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	03/29/2021	2.710%	2.74	80,000	79,981	80,000	2,187
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/29/2022	3.000%	3.01	100,000	99,993	100,000	3,005
FEDERAL HOME LN MTG CORP	AA+	12/14/2022	2.000%	2.82	25,000	24,846	24,590	700
FEDERAL HOME LN MTG CORP	AA+	11/24/2021	2.650%	2.80	100,000	100,001	99,750	2,796
FEDERAL HOME LN MTG CORP	AA+	02/24/2023	3.000%	3.03	80,000	80,009	79,984	2,421
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/29/2022	2.000%	3.42	200,000	199,880	200,000	6,842
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2022	2.130%	2.94	129,630	125,081	125,764	3,677
CASH & EQUIVALENTS	-	-	-	1.44	-	531,600	531,600	7,655
Capital Improvement Program Reserve Total						\$ 16,813,137	\$ 17,132,953	\$ 412,204
Stage 2 Capacity Reserve								
BERKSHIRE HATHAWAY FIN CORP GTD SR	AA	05/15/2018	5.400%	3.06	100,000	100,315	101,949	3,071
CEDAR PARK TEX CTFB OBLIG TAXABLE	AA	08/15/2018	5.280%	2.75	50,000	50,555	50,831	1,388
CISCO SYS INC SR GLBL NT	A+	01/15/2020	4.450%	2.59	75,000	77,330	78,746	2,004
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	02/01/2019	5.000%	3.04	17,380	17,474	18,325	531
FEDERAL HOME LN MTG CORP PARTN GOLD	N.A.	11/01/2020	4.500%	2.77	20,703	20,833	21,583	577
FEDERAL HOME LOAN BKS CONS BDS	AA+	12/13/2019	2.375%	2.32	100,000	100,100	102,463	2,325
FEDERAL HOME LOAN BKS CONS BDS	AA+	02/18/2021	1.375%	2.43	100,000	97,125	101,049	2,355
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/29/2018	0.875%	1.93	100,000	99,775	100,035	1,926
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	05/15/2018	4.500%	1.94	100,000	100,424	101,549	1,949
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	09/28/2018	4.780%	2.26	55,000	55,802	55,910	1,262
FEDERAL HOME LOAN BKS CONS BDS	AA+	09/11/2020	2.875%	2.38	60,000	60,595	62,096	1,444
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	06/24/2019	1.520%	2.26	200,000	198,438	200,000	4,479
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/09/2018	1.763%	1.75	50,000	50,000	49,959	873
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2019	5.125%	2.27	50,000	51,965	52,671	1,180
FEDERAL HOME LOAN BKS CONS BDS	AA+	07/01/2019	4.375%	2.40	100,000	102,676	103,831	2,461
FEDERAL HOME LOAN BKS CONS BDS	AA+	03/13/2020	4.125%	2.41	125,000	129,180	131,004	3,111
FEDERAL NATL MTG ASSN	AA+	01/21/2020	1.625%	2.27	100,000	98,856	101,344	2,244
FEDERAL NATL MTG ASSN	AA+	06/22/2020	1.500%	2.36	100,000	98,097	101,053	2,311
FEDERAL NATL MTG ASSN	AA+	11/30/2020	1.500%	2.41	100,000	97,679	100,893	2,349
FEDERAL NATL MTG ASSN	AA+	12/28/2020	1.875%	2.41	175,000	172,550	178,304	4,153
FEDERAL NATL MTG ASSN	AA+	02/26/2021	1.375%	2.44	180,000	174,600	180,149	4,265
FEDERAL NATL MTG ASSN	AA+	01/14/2019	3.275%	2.47	100,000	100,934	101,715	2,491
FEDERAL HOME LN MTG CORP MULTICLASS	NR	10/25/2020	2.788%	2.77	46,827	46,906	47,998	1,300
FEDERAL HOME LN MTG CORP	AA+	03/27/2019	3.750%	2.17	250,000	253,793	255,679	5,515
FEDERAL HOME LN MTG CORP	AA+	05/30/2019	1.750%	2.21	100,000	99,534	101,266	2,199
FEDERAL HOME LN MTG CORP	AA+	08/01/2019	1.250%	2.23	100,000	98,709	100,662	2,196
FEDERAL HOME LN MTG CORP	AA+	10/02/2019	1.250%	2.25	100,000	98,501	100,517	2,216
FEDERAL HOME LN MTG CORP	AA+	04/09/2018	0.750%	2.10	100,000	99,981	99,836	2,104
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	05/01/2018	3.840%	1.48	200,000	199,722	213,313	2,956
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	12/01/2020	4.000%	2.79	51,764	53,255	54,239	1,486
FEDERAL NATL MTG ASSN GTD PASSTHRU	N.A.	07/01/2019	4.821%	3.35	169,415	173,251	187,945	5,804
GENERAL ELEC CAP CORP MTN	A	08/07/2018	2.063%	2.64	100,000	100,008	99,695	2,636
IOWA FIN AUTH REV ST REVOLVING FD	AAA	08/01/2018	3.280%	2.10	100,000	100,404	100,859	2,108
JPMORGAN CHASE & CO SR NT	A-	03/01/2021	2.550%	3.13	50,000	49,197	50,813	1,538
LANCASTER CNTY NEB SCH DIST NO SCH	AA+	01/15/2021	4.550%	3.26	50,000	51,969	53,728	1,693
NORFOLK VA GO CAP IMPT BDS 2010 B	AA	03/01/2019	4.650%	2.67	100,000	101,788	102,647	2,719
TENNESSEE VALLEY AUTH PWR BD 2008 B	AA+	04/01/2018	4.500%	2.24	200,000	200,000	203,274	4,472
U S BANCORP MTNS BK ENT FR	A+	11/15/2018	1.950%	2.33	100,000	99,699	100,101	2,319
UNIVERSITY CALIF REVS FOR PREV GEN	AA	07/01/2019	1.796%	2.48	50,000	49,781	49,784	1,235
XTO ENERGY INC SR NT	AA+	06/15/2018	5.500%	2.01	100,000	100,547	102,052	2,021
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	10/26/2018	1.010%	2.08	200,000	198,952	200,000	4,136
MONTGOMERY CNTY MD CTFB PARTN COPS	N.A.	11/01/2019	1.200%	2.54	100,000	97,903	100,039	2,482
BANK NEW YORK MTN BK ENT FR	A+	11/27/2020	2.450%	3.05	150,000	147,741	153,848	4,502
GILEAD SCIENCES INC SR NT	A-	09/01/2020	2.550%	2.86	150,000	148,790	154,025	4,258
WISCONSIN ST GEN FD ANNUAL APP REV	AA-	05/01/2021	1.616%	2.77	100,000	96,700	100,111	2,680
FEDERAL HOME LN MTG CORP	AA+	08/25/2021	1.375%	2.63	90,000	87,474	90,000	2,296
METRO WASTEWTR RECLAMATION DIS REV	AA+	04/01/2019	4.718%	2.67	100,000	102,339	105,398	2,727
WACO TEX INDPT SCH DIST REF BDS	N.A.	02/15/2020	4.000%	2.47	55,000	56,577	57,895	1,399
FEDERAL HOME LN MTG CORP	AA+	03/30/2021	1.500%	2.52	60,000	58,024	60,000	1,465
FEDERAL HOME LN MTG CORP	AA+	09/30/2021	1.050%	3.16	100,000	97,141	99,900	3,073
FEDERAL NATL MTG ASSN	AA+	09/30/2019	1.250%	2.31	60,000	59,114	59,985	1,367
FEDERAL NATL MTG ASSN	AA+	05/26/2021	1.800%	2.62	60,000	58,492	60,000	1,532
FEDERAL HOME LN MTG CORP	AA+	12/30/2020	1.750%	2.51	100,000	97,829	100,000	2,451
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2021	2.030%	2.67	80,000	78,286	80,000	2,087
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	01/24/2022	2.050%	2.74	60,000	58,490	60,000	1,601
FEDERAL HOME LN MTG CORP MEDIUM	AA+	07/27/2020	1.625%	2.41	40,000	39,256	40,000	946

Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
FEDERAL HOME LN MTG CORP	AA+	10/26/2021	2.000%	2.63	150,000	146,372	150,000	3,842
FEDERAL HOME LOAN BKS CONS BDS	AA+	04/27/2022	1.250%	2.68	150,000	149,912	149,663	4,019
FEDERAL HOME LN MTG CORP	AA+	05/01/2020	1.375%	2.33	260,000	254,933	258,975	5,935
FEDERAL NATL MTG ASSN	AA+	10/07/2021	1.375%	2.52	80,000	76,922	79,059	1,935
FEDERAL HOME LN MTG CORP	AA+	01/13/2022	2.375%	2.56	120,000	119,147	122,675	3,047
FEDERAL NATL MTG ASSN	AA+	01/05/2022	2.000%	2.57	220,000	215,642	219,431	5,542
FEDERAL HOME LOAN BKS CONS BDS	AA+	06/12/2020	1.750%	2.35	260,000	256,344	261,498	6,024
FEDERAL NATL MTG ASSN	AA+	05/06/2021	1.250%	2.44	260,000	250,728	257,146	6,128
FEDERAL NATL MTG ASSN	AA+	08/17/2021	1.250%	2.47	260,000	249,525	256,406	6,153
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	07/19/2022	1.900%	2.58	290,000	281,558	291,247	7,253
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	08/03/2022	1.900%	2.59	290,000	281,491	290,684	7,279
FEDERAL NATL MTG ASSN	AA+	04/05/2022	1.875%	2.55	300,000	292,302	301,122	7,454
FEDERAL HOME LOAN BKS CONS BDS	AA+	08/15/2022	1.850%	2.58	85,000	82,310	85,612	2,125
FEDERAL NATL MTG ASSN	AA+	09/28/2020	1.750%	2.49	180,000	177,053	180,000	4,410
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	04/04/2022	2.100%	2.78	280,000	273,582	280,000	7,595
FEDERAL HOME LN MTG CORP	AA+	10/12/2021	2.000%	2.63	180,000	176,369	180,000	4,633
HOME DEPOT INC SR GLBL NT	A	04/01/2021	2.000%	2.83	60,000	58,552	59,879	1,654
ORACLE CORP SR GLBL	A+	05/15/2022	2.500%	2.99	120,000	117,644	120,134	3,514
PHILIP MORRIS INTL INC SR NT	A	03/26/2020	4.500%	2.89	55,000	56,620	57,680	1,636
STARBUCKS CORP SR GLBL	A-	02/04/2021	2.100%	2.82	60,000	58,797	59,984	1,658
FEDERAL HOME LN MTG CORP	AA+	12/29/2021	2.250%	2.71	80,000	78,862	80,000	2,135
FEDERAL HOME LOAN BKS CONS BDS	AA+	11/29/2021	1.875%	2.51	120,000	117,392	118,191	2,950
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	11/22/2021	2.740%	2.88	100,000	100,018	99,975	2,879
FEDERAL FARM CR BKS CONS SYSTEMWIDE	AA+	03/07/2022	2.850%	2.86	80,000	80,006	80,000	2,291
FEDERAL HOME LN MTG CORP	AA+	02/24/2023	3.000%	3.03	60,000	60,007	59,988	1,816
CASH & EQUIVALENTS	-	-	-	1.44	-	197,854	197,854	2,849
Stage 2 Capacity Reserve Total						\$ 9,725,396	\$ 9,938,265	\$ 241,024
Subtotal, Bank of the West						\$ 30,033,964	\$ 30,627,181	\$ 737,192
California Local Agency Investment Fund		LAIF	-	1.524		\$ 3,315,611	\$ 3,315,611	50,530
TOTAL UNRESTRICTED INVESTMENTS						\$ 33,349,575	\$ 33,942,792	\$ 787,722
Bank of New York (Trustee)								
2009 Reserve Account - Federal National Mortgage Assn 3136G3Q73	Aaa	7/26/2019	1.170%	1.17		4,713,367	4,780,000	55,146
2009 Reserve Account - BMW BK North Amer Salt Lake 05580ACK8	Aa	7/24/2019	2.000%	2.02		148,727	150,000	3,004
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	1.49		130,443	130,443	1,944
2009 Reserve Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	1.49		62,656	62,656	934
2009 Revenue FD Account - Morgan Stanley Treas Sec X9USDMORS	-	-	0.000%	1.49		2,116	2,116	32
2014 Revenue Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	1.90		11	11	0
2014 Revenue Account - Cash	-	-	0.000%	1.93		414	414	8
2014 Interest Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	1.96		13	13	0
2014 Principal Account - Goldman Sachs Fin Sq Instl X9USDGLD4	-	-	0.000%	1.95		7	7	0
2014 Project Account - Cash	-	-	0.000%	-		5,193	5,193	-
2014 CoI Account - Cash	-	-	0.000%	-		2	2	-
2015 Project Account - Cash	-	-	0.000%	-		2	2	-
2015 Revenue Account - JP Morgan Prime MMKT Instl X9USDJPMP	-	-	0.000%	1.75		163	163	3
2015 Revenue Account - Cash	-	-	0.000%	-		3	3	-
2009 Escrow - Resolution Funding Corp Interest Strip 76116EFS4	Aaa	7/15/2018	0.000%	-		336,100	329,183	-
2009 Escrow - United States Treasury 912828VQ0	Aaa	7/31/2018	1.375%	1.38		262,621	265,978	3,624
2009 Escrow - United States Treasury 912828B33	Aaa	1/31/2019	1.500%	1.51		599,937	610,349	9,059
2009 Escrow - Tunisia Government Aid Bonds 066716AG6	Aaa	7/16/2019	1.686%	1.70		39,978,777	40,944,692	679,639
2009 Escrow - Cash	-	-	0.000%	-		3,816	3,816	-
Subtotal, Bank of New York (Trustee)						\$ 46,244,367	\$ 47,285,041	\$ 753,393
Less Amounts held in Escrow for 2009 Bond Defeasance						\$ (41,181,251)	\$ (42,154,018)	\$ (692,322)
Net Total, Bank of New York (Trustee)						\$ 5,063,116	\$ 5,131,022	\$ 61,071
Zions Bank (Trustee)								
US Treasury N/B 912828C3	Aaa	8/31/2018	0.750%	1.88	4,265,000	4,245,006	4,242,176	79,806
US Treasury Notes 912828RH5	Aaa	9/30/2018	1.375%	1.91	4,900,000	4,886,603	4,885,262	93,334
US Treasury N/B 912828U99	Aaa	12/31/2018	1.250%	2.04	3,370,000	3,349,595	3,348,674	68,332
US Treasury Notes 912828B33	Aaa	1/31/2019	1.500%	2.07	1,500,000	1,492,383	1,492,441	30,892
US Treasury Notes 912828B33	Aaa	1/31/2019	1.500%	2.06	11,600,000	11,541,095	11,542,000	237,747
US Treasury Notes 912828C24	Aaa	2/28/2019	1.500%	2.09	15,500,000	15,414,022	15,411,602	322,153
US Treasury Notes 912828P95	Aaa	3/15/2019	1.000%	2.11	10,300,000	10,190,653	10,186,941	215,023
US Treasury Notes 912828ST8	Aaa	4/30/2019	1.250%	2.12	16,430,000	16,270,826	16,268,909	344,942
US Treasury Notes 912828SX9	Aaa	5/31/2019	1.125%	2.14	12,550,000	13,385,923	13,384,330	286,459
United States Treasury Bill 912796MF3	P-1	6/21/2018	0.000%	1.68	3,900,000	3,885,344	3,881,128	65,274
Dexia Credit Local SA NY Comm Paper 25214PEQ2	P-1	10/9/2018	0.000%	2.20	3,900,000	3,846,909	3,849,692	84,632
Toyota Motor Credit Corp Comm Paper 89233HM35	P-1	12/3/2018	0.000%	2.32	3,900,000	3,835,826	3,833,557	88,991
Toyota Motor Credit Corp Comm Paper 89233HM43	P-1	12/4/2018	0.000%	2.33	2,400,000	2,360,350	2,359,238	54,996
Westpac Banking Corp NY Cert Depos 96121T3U0	P-1	7/20/2018	1.510%	2.25	5,750,000	5,734,334	5,735,130	129,023
Toronto Dominion Bank NY Cert Depos 89113XZJ6	P-1	3/8/2019	2.500%	2.50	6,300,000	6,278,267	6,300,000	156,957
CAMP Pool	NR			1.69	22,230,043	22,230,043	22,230,043	375,688
Total, Zions Bank (Trustee)						\$ 128,947,177	\$ 128,951,123	\$ 2,634,247

Broker/Dealer Investment Name	Composite Credit	Maturity	Coupon Rate	Yield to Maturity	Par Value	Market Value	Cost	Estimated Annual \$ Yield Earnings
Uninvested Operating Cash						125,540	125,540	-
TOTAL CASH & INVESTMENTS, UNRESTRICTED AND WITH TRUSTEE						\$ 167,485,409	\$ 168,150,478	\$ 3,483,040
						Weighted Average Yield to Maturity % 2.08%		

Summary by Investment Type:	Market Value
US Treasuries	\$ 84,906,031
Agencies	28,606,094
Commercial Paper / Corporate Bonds	12,959,752
Municipal Bonds / Notes	2,439,020
Money Market / Certificates of Deposit	35,258,900
Local Agency Investment Fund	3,315,611
TOTAL	\$ 167,485,409

Summary by Purpose / Restriction Level	Market Value
Working Capital	\$ 3,441,152
Operations & Capital Budget Reserve	3,495,430
Capital Improvement Program Reserve	16,813,137
Stage 2 Capacity Reserve	9,725,396
Debt Reserve	5,062,949
Debt Proceeds	128,947,345
TOTAL	\$ 167,485,409

Summary by Liquidity:	Market Value
0-1 years	\$ 112,450,821
1-2 years	37,474,323
2-3 years	7,439,855
3-5 years	10,120,410
TOTAL	\$ 167,485,409

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

SVCW Capital Improvement Program
Actual Expenditure vs. Plan
Through March 31, 2018

AGENDA ITEM 5D-2
Attachment

Project Phase	Project Count	2017 CIP Update	Actual Spent thru March 2018	\$ Unspent/ Remaining	% Unspent/ Remaining
Completed Prior to Oct 2017 CIP Update	101	\$ 137,234,509	\$ 137,265,403	N/A	N/A
Completed Post Oct 2017 CIP Update	3	22,629,960	23,387,497	(757,537)	-3.3%
In Construction	27	75,587,626	51,570,716	24,016,910	31.8%
Planning & Design	41	513,864,043	45,371,209	468,492,834	91.2%
Other	37	84,349,902	5,340,315	79,009,587	93.7%
TOTAL	209	\$ 833,666,040	\$ 262,935,140	\$ 570,730,900	68.5%

**SVCW Capital Improvement Program
CIP Project Status - COMPLETED Prior to October 2017**

31-Mar-18

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	\$ 41,204,050
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	3,087,354
Complete	7013	Pump Stations Secondary Communications	Provide secondary communications for remote monitoring and control	-	-	51,900	\$ 33,289	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	25,220
Complete	8004	Install SCADA Servers	Purchase and install and program independent servers for SCADA use only.	170,200	163,002	91,040	\$ 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	202,370
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	7,636,947
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	62,936
Complete	8026	Septic System (Grease Receiving) Auto Controls and Level Measurement	Automatic controls tied into SCADA system for monitoring grease receiving station operation. Expenditures charged to CIP #9021	47,600	19,019	-	\$ 8,003	29,817
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	81,992
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	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	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	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	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	585,790
Complete	9019	Bisulfite Injector System Improvements	Alternate dechlorination injection system for reliability improvement.	225,900	16,740	16,740	\$ 6,231	6,231
Complete	9021	Grease Receiving Station Reliability Improvements and Odor Control	Convert station to two pits, allowing for expanded volume storage. Improvements to controls, pumping, mixing.	320,200	1,698,002	1,730,417	\$ 1,730,417	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	1,092,137
Complete	9028	Laboratory Building Roof Rehabilitation	Rehabilitate laboratory building roof.	23,400	80,000	106,978	\$ 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	390,764
Complete	9030	Secondary Clarifier Collector Drive Rehabilitation	Project complete. Work done in conjunction with	251,200	435,000	471,182	\$ 471,182	471,182
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	123,508
Complete	9036	Primary Sludge Piping Rehabilitation	Combined with Bilge Pit and Pumping project (221)	136,300	541,152	559,131	\$ 559,131	559,131
Complete	9040	Digester #2 Cleaning	Clean D2; 1 digester every 5 years	269,100	162,630	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	52,474
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	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	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	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	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	152,667
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	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	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	419,640

**SVCW Capital Improvement Program
CIP Project Status - COMPLETED Prior to October 2017**

31-Mar-18

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	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	70,203
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	633,142
Complete	9180	Maintenance Shop Reconfiguration	Reconfigure maintenance spaces that have been displaced by other projects.	-	1,372,800	228,038	\$ 280,541	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	4,224,826
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	997,139
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	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	\$ 314,747	312,088
Complete	9127	PEC & PST 1 & 2 Protective Coatings	Do SSC #3 with CIP #9014; also replace SSC drive.	-	-	946,092	\$ 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	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	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	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	185,479
Complete	9007	Industrial Roll-up Doors for Warehouse	Combine with CIP #9132. Project complete	21,700	19,664	19,664	\$ 19,664	19,664
Complete	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	616,146
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	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	1,001,862
Complete	9150	Odor & Corrosion Control Program - General Support	Work completed to date satisfactory for moving forward. Provides support and funding for general requirements of projects contained within the Odor & Corrosion Control Program.	-	100,000	75,450	\$ 75,450	75,450
Complete	9201	Diminutor procurement and installation	Purchase and install 2 diminutors for each MPPS and SCPS. Purchase 1 spare for emergency installation. Budget allocated out of 9152	-	334,814	374,323	\$ 374,442	374,442

**SVCW Capital Improvement Program
CIP Project Status - COMPLETED Prior to October 2017**

31-Mar-18

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	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	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	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	68,415
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	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	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	3,163,940
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	3,506,324
TOTALS - COMPLETED PROJECTS PRIOR TO OCTOBER 2017				\$45,503,536	\$125,414,488	\$139,296,849	\$137,234,509	\$137,265,403

SVCW Capital Improvement Program
CIP Project Status - COMPLETED Post October 2017

Project Phase	Project No.	Project Name	Project Description/Status	2008 CIP (Original, 2007 \$s)	2013 CIP Update (2010 \$s)	2015 CIP Update (2015 \$s)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
Complete	8007	Primary Sedimentation Control System	Install basic PLC and Communication equipment, conduit and primary sensing devices for primary sedimentation tanks. Do as part of SPA project	3,245,100	2,899,640	\$ 5,592,029	\$ 6,506,023	6,760,868
Complete	8018	Gravity Thickener Process Automation	Install basic PLC and Communication equipment, conduit and primary sensing devices in thickener area. Part of SPA project.	2,105,800	4,285,314	\$ 6,425,219	\$ 8,082,704	8,330,935
Complete	8021	Anaerobic Digestion Process Automation	Automate digester process. Part of SPA project.	2,589,600	8,882,096	\$ 9,701,615	\$ 8,041,234	8,295,694
TOTALS - COMPLETED PROJECTS POST OCTOBER 2017				\$7,940,500	\$16,067,050	\$21,718,863	\$22,629,960	\$23,387,497

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

31-Mar-18

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)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	2,882,920
Constr	6012	Effluent Pipeline and Outfall Reliability Improvement	Improve reliability of Effluent Pipeline and Outfall, which have historically experienced leaks	-	12,450,438	\$ 10,063,562	\$ 10,844,371	11,212,328
Constr	7012	Pump Stations Processor Upgrade & T-1 Transition for Primary Communications	Install new PLC processors for existing Pump Station Controls	-	-	\$ 298,151	\$ 89,782	8,100
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	\$ 709,762	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	\$ 242,371	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	137,436
Constr	8038	Process Return Flow Meter and Sampler Installation	Install flow meters and samplers on small side streams to be able to monitor and track these flows. Project is being installed in-house.	-	357,500	\$ 382,370	\$ 187,096	188,536
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	\$ 5,382,378	3,977,302
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	\$ 2,935,934	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	\$ 4,334,681	3,994,831
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	\$ 1,842,673	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	\$ 2,483,273	2,026,758
Constr	9128	PST 3 & 4 Protective Coatings	Complete with 9080 - PST Collector System Replacement	714,150	714,150	\$ 2,869,160	\$ 2,881,273	3,113,264
Constr	9131	Plant Service Road Resurfacing-Phase 2	Plant site grading and paving.	1,089,000	821,310	\$ 1,066,488	\$ 1,112,712	309,083
Constr	9152	Small Capital Equipment Replacement	Ongoing replacement of equipment for maintenance needs throughout plant	3,714,000	1,954,500	\$ 2,238,071	\$ (25,374)	1,233,502
Constr	9164	Dewatering and Solids Handling Improvements - Phase I	Recommendations from the Biosolids Master Plan for dewatering improvements.	-	3,897,253	\$ 5,565,212	\$ 6,379,530	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	\$ 1,179,163	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	\$ 123,559	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	\$ 356,998	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	\$ 2,077,557	937,715
Constr	9226	DMF Platforms	Construct platforms for access to maintain valves in the DMF Gallery. Currently the valves are not accessible. Do work as a CCO to DMF 6A & 6B construction project (CIP #9222)	-	-	\$ 155,490	\$ -	-
Constr	9228	Diesel Pump Upgrade	Relocate and replace diesel pumps and generator day tanks.	-	-	\$ 879,178	\$ 527,319	551,961
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	\$ 1,610,621	1,094,719
Constr	9238	Front of Plant Site Civil	Ground improvement, grading, yard piping, and paving of Front of Plant Site. Includes storm water pump station and frontage wall.	-	-	\$ -	\$ 17,644,259	4,095,256
Constr	9806	Wetside Redundant Power Improvements	Addition of two standby power generators to PDP2 switchgear. In order to save monies, PDP2 was constructed to be completely ready for new generators and was originally proposed to allow existing generators to backfeed through existing primary transformers T1 and T2. Concerns raised during the Rule 21 process caused this plan to be superceded with standalone generators.	-	-	\$ 2,941,000	\$ 7,431,279	7,494,100
Constr	9808	In-Plant Power (12kV) Rehabilitation	Repair of 12 kV settling between Control Building and Solids Handling Building.	-	-	\$ -	\$ 2,347,412	423,369
TOTALS - PROJECTS IN CONSTRUCTION				\$ 18,207,450	\$ 39,701,373	\$ 54,228,348	\$ 75,587,626	\$ 51,570,716

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

31-Mar-18

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)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
Planning	6004	Flow Equalization Facility	Build wet weather and diurnal storage facilities on plant property	\$8,981,300	\$28,600,000	\$ 18,171,592	\$ 18,532,957	670,428
Planning	6006	Conveyance System CEQA	Project Development, CEQA, and Planning for the Conveyance System Project Elements	-	839,000	\$ 5,100,580	\$ 4,358,551	4,514,597
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	\$ 232,245,223	15,289,112
Planning	6010	Force Main Conveyance System Program - General Support	Provides support and funding for general requirements of projects contained within the Conveyance System Program.	-	200,000	\$ 208,810	\$ 207,798	215,413
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	\$ 53,475,420	2,605,534
Planning	6014	Influent Connector Pipe	Install new pipeline that connects headworks process to current plant influent.	-	-	\$ 9,081,206	\$ 9,572,657	1,663,809
Planning	6016	MPPS FM Junction Box at RWCPs	Repair connection of 33" to 48"	-	-	\$ -	\$ 353,132	-
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	\$ 25,229,637	410,771
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	\$ 31,759,810	4,024,398
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	\$ 10,694,645	48,175
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	\$ 441,939	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	\$ 3,482,030	350,314
Planning	7014	San Carlos PS Demo and Odor Control	San Carlos Improvements. Includes odor control and demo.	-	-	\$ -	\$ 5,791,371	-
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	\$ 514,689	483,009
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	\$ 5,544,394	4,223,483
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	\$ 221,442	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	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	\$ 2,434,291	974,479
Planning	9107	CCT Concrete and Steel Protective Coating Replacement	Recoat walls and Ceiling of CCT	4,807,400	4,901,400	\$ 5,719,970	\$ 6,045,772	566,878
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	\$ 381,987	93,822
Planning	9144	Solids Handling Program - General Support	Project provides support and funding for general requirements of projects contained within the Solids Handling Program through the life of the CIP.	-	100,000	\$ 141,165	\$ 243,247	256,163
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	\$ 88,541	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	\$ 45,458,834	2,383,388
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	\$ 1,514,596	445,901

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

31-Mar-18

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)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	\$ 15,995	-
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	\$ 70,897	-
Planning	9189	DMF Pump and Discharge Piping Replacement	Replace motors and drives on DMF Pumps.	-	858,000	\$ 1,793,236	\$ 1,897,048	83,625
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	\$ 2,286,199	120,067
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	\$ 2,624,144	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	\$ 228,750	9,485
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	\$ 49,552	262,809
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	\$ 510,307	(112,065)
Planning	9237	Radio Road Wetlands Restoration	Restore the area behind the dog park to make a suitable habitat for birds	-	-	\$ -	\$ 3,531,324	-
Planning	9810	Energy Storage	Install 1MW/2MWh energy storage system that uses Lithium-Ion battery.	-	-	\$ -	\$ 2,041,228	-
Planning	9811	Solar PV System	Install solar photovoltaics to harness solar energy in conjunction with energy storage. The solar panels will augment the energy portfolio of SVCW energy systems.	-	-	\$ -	\$ 7,945,478	-
Design	9168	Thickening Improvements - Phase I	Rehabilitate Thickeners 2 and 3	-	2,808,000	\$ 1,448,690	\$ 1,830,026	1,473,506
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	\$ 5,006,736	2,058,319
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	\$ 115,781	9,172
Design	9220	Aeration Basin Venturi Removal	Remove a bottleneck to allow peak flow of 80 mgd	-	1,150,857	\$ 1,243,488	\$ 1,314,967	19,053
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	\$ 15,100,390	1,271,032
Design	9807	New 12kV Switchgear	Install a new 12 kV feed to the plant that will serve the new loads from Receiving Lift Station. This new new switchgear will also be tied to existing cogen system to allow export/import of power to PG&E after Rule 21 modifications. New solar and energy storage will be also tied to this new switchgear.	-	-	\$ -	\$ 10,593,971	521,681

TOTALS - PROJECTS IN PLANNING & DESIGN

\$66,580,700

\$196,975,295

\$461,021,145

\$513,864,043

\$45,371,209

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**

31-Mar-18

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)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	586,566	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	459,472	-
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	32,825	134,106
Project On Hold	9400	Nutrient Removal	Placeholder for facilities required to remove nutrients (nitrogen and phosphorous) to meet future regulations.	-	-	103,636,229	67,347,122	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	185,370	-
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	565,998	-
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	206,670	8,246
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	123,580	-
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	-	(67)	11,099
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	1,388,054	30
Project Not Started	9174	Digester Supernatant Piping Upgrades	The existing supernatant piping only allows for supernatant to Digester 3 from Digesters 1 and 2 and there is no passive overflow system at any of the Digesters. This project will investigate the future need for additional supernatant piping and alternative destinations for receiving supernatant flow. The project cost assume \$50,000 for the evaluation and a placeholder of \$250,000 for implementation.	-	300,000	350,292	370,741	-
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	291,663	-
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	1,097,113	-
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	271,441	11,021
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	91,536	-
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	113,880	-
Project Not Started	9233	Strategic Technology Testing Assistance	Set aside a small project budget to assist with future possible pilot studies. Do not fund project at this time.	-	-	-	-	-

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

31-Mar-18

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)	2017 CIP Update (2017 \$s)	Actual Spent thru March 2018
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	1,535,958	-
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	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	28,437	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	432,477	459,548
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	270,525	41,222
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	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	153,092	245,799
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	-	591,253
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	510,307	95,308
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	5,103,069	(189,915)
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	30,618	-
TOTALS - REMAINING PROJECTS				\$141,752,600	\$31,068,897	\$136,873,865	\$84,349,902	\$5,340,315

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

**ENGINEERING REPORT: APRIL 2018
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. On November 9, 2017 the Commission awarded a contract to Shea/Parsons Joint Venture (SPJV) for the Stage 1 Progressive Design Build contract on the Front of Plant project.

The design-build teams, SVCW staff and consultants are co-located in field trailers and meet often to coordinate and discuss proposed Stage 1 designs, O&M options, and intersecting efforts between the two Design-Build teams. Both design-build teams are in the process of preparing the first Stage 2 packages for beginning construction. It is anticipated that three Stage 2 packages will be prepared to allow construction work to begin on some portions of the projects while Stage 1 design work is being completed on other portions.

A Stage 2A package for the Front of Plant will be brought to the Commission in June or July for installation of structural piles. A Stage 2A package for the Gravity Pipeline for shaft excavation will be brought to the Commission in July.

Planned Commission Actions: Approve Stage 2A Design Build Contracts – June and July 2018

Energy Storage Project (9180): Contract with system provider to build and operate a battery storage system for the plant

In April 2017 the Commission authorized staff to negotiate a contract with a system provider (AMS Systems) to design, build, and operate a battery storage system for the plant's electrical loads. SVCW has been in discussions with AMS to provide these services, including required infrastructure for the battery system and submittal of an application for a SGIP grant from PG&E. SVCW staff is near completion of negotiations and will bring the contract to Commission for approval.

Planned Commission Actions: Approve Contract - June 2018

CCT Concrete and Steel Protective Coatings Project (9017): Repair cracks in concrete walls and ceiling of Chlorine Contact Tank and replace coatings on steel piping 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. The second phase of this project is planned for the summer of 2018. Design is being completed by Kennedy/Jenks and V&A Engineering.

Planned Commission Actions: Award Contract – June 2018

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. On November 9, 2017 The Commission later approved a total budget amount of \$2,347,412 which includes the initial emergency authorization of \$300,000 to perform work on a time and material basis to resolve the 12kV failing electrical vault. Beecher Engineering, Power Engineering and DW Nicholson designed a permanent repair to reroute route the 12 kV conduits that supply power to the Solids Handling Building (SHB) and ultimately to all plant equipment and processes.

Temporary electrical power is currently supplying electricity to three main Plant transformers. A new concrete vault was placed on the main building side of the tunnel and is incorporated into the tunnel structure. A new conduit run was constructed along the building to the new vault at the tunnel. Power Engineering completed excavation under the SHB by the transformers and constructed a new duct bank structure under the transformers to connect the 12kV power lines to the new vault at the tunnel. 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.

Planned Commission Actions: Accept Project and File Notice of Completion - TBD

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

SVCW received and evaluated two Design-Build (DB) firms in accordance with criteria outlined in the Request for Qualifications. Both firms were deemed qualified and received Requests for Proposals (RFP). The RFP's were issued on December 7, 2017 and were submitted on February 9, 2018. Staff interviewed both DB firms in March 2018 and made a recommendation at the April Commission meeting for award of contract. The Commission approved the contract with the firm of C. Overaa (builder) who is using Hydrosience as the designer.

Planned Commission Actions: Accept Project and File Notice of Completion - TBD

Commissioners' Requested Action Items
Updated: 05/03/2018

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
4/12/2018	1	Prepare letter in Support of AB1912	N/A			✓	4/17/2018	Prepare for John Seybert signature. Include all Commission names and who they're representing.
	2	FY18-19 Operating Budget	1-2 weeks			✓	5/2/2018	Send e-version, along with Benchmarking Chart of SVCW costs compared to other Bay Area WWTP costs, to Commissioners (Benchmarking Only), Member Agency Finance Directors and Tech Committee members.
3/8/2018	1	Prepare memo for LRFP indicating how many dollars SVCW's procurement process and management strategies are saving	N/A		✓			In response to the fact that SVCW staff is implementing significant projects with relatively little overhead costs.
	2	Recycled Water Workshop in Stanford	April			✓	4/12/2018	Reported highlights from the Recycled Water Workshop held at Stanford on March 9
	3	Operating Budget Benchmarking	April			✓	4/12/2018	Benchmark SVCW's operating budget increase with other agencies in the Bay Area; reported out at April meeting.
1/18/2018	1	RESCU Program and Project Updates	N/A	✓				When available, upload monthly dashboard summary reports onto website and email to Tech Cmte members.
	2	Gravity Pipeline Acquisitions	N/A		✓			Report out on acquisition results when available.
12/14/2017	1	Change Design-Build Policy to reflect a sunset date of December 31, 2024 to current amount of \$300k Manager-authorization level for construction change orders unless extended by the Commission at a later date	12/14/2017			✓		Changes made to Approved Resolution
11/9/2017	1	Prepare and install signage for Front of Plant area describing what's occurring for public	12/1/2017			✓		Sign designed and installed.
10/5/2017	1	When SVCW can begin exporting power to grid, make public for positive public relations standpoint	N/A		✓			While this is a good opportunity for positive public relations, it will take many months and maybe years to reach the point that SVCW is routinely exporting power. Updates will be provided to the Commission until the program is implemented.
	2	Project delay costs	N/A	✓			Ongoing	Inform Commission of any potential delays that could add time and costs to projects they have authorized.
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 was included in an Action at the November Commission meeting.
	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.

Commissioners' Requested Action Items
Updated: 05/03/2018

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
4/12/2018	1	Prepare letter in Support of AB1912	N/A			✓	4/17/2018	Prepare for John Seybert signature. Include all Commission names and who they're representing.
	2	FY18-19 Operating Budget	1-2 weeks			✓	5/2/2018	Send e-version, along with Benchmarking Chart of SVCW costs compared to other Bay Area WWTP costs, to Commissioners (Benchmarking Only), Member Agency Finance Directors and Tech Committee members.
	3	Provide recommendation on increased Manager-authority for two Design-Build projects	12/14/2017			✓	12/14/2017	Included in Agenda action on 12/14/2017

Commissioners' Requested Action Items
Updated: 05/03/2018

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
4/12/2018	1	Prepare letter in Support of AB1912	N/A			✓	4/17/2018	Prepare for John Seybert signature. Include all Commission names and who they're representing.
	2	FY18-19 Operating Budget	1-2 weeks			✓	5/2/2018	Send e-version, along with Benchmarking Chart of SVCW costs compared to other Bay Area WWTP costs, to Commissioners (Benchmarking Only), Member Agency Finance Directors and Tech Committee members.
8/10/2017	1	CalPERS Subcommittee formation	2/8/2018			✓		Subcommittee formed consisting of Commissioner Otte and Commissioner Grassilli. Meeting held on February 8, 2018 and recommendation to maintain the status quo of the program due to ongoing legal proceedings with CalPERS, with the possible exception of its application to the SVCW Manager. Manager status to be discussed as part of annual performance review and contract negotiations. Discussion may be held as part of Manager's report or Items of Commission Members Interest portion of Commission meeting on March 8, 2018.
	2	Operating Budget/Staffing	4/1/2018			✓	3/8/2018	Ensure SVCW's salaries and benefits remain 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	Letter sent to Congresswoman Eshoo on 08/10/2017.
5/11/2017	1	Progressive Design-Build	5/18/2017			✓	5/15/2017	Sent a link of the Requests for Qualifications to Commissioner Otte.
> One Year	1	MOU Negotiations	NA		✓			MOU negotiations have begun and the Commission will be updated at each meeting. Ability to conclude negotiations prior to contract expiration will require a lot of effort on the part of both SVCW and Local 39. Time is very short. Special Commission Meetings may be needed to conclude the negotiations and approve the new MOU by June 30, 2018
	2	Greendale property construction progress	2/1/2018		✓			Work is progressing and expected to be complete by May 31, 2018. Additional costs are being tabulated on a direct time and materials basis with no mark up by contractor.

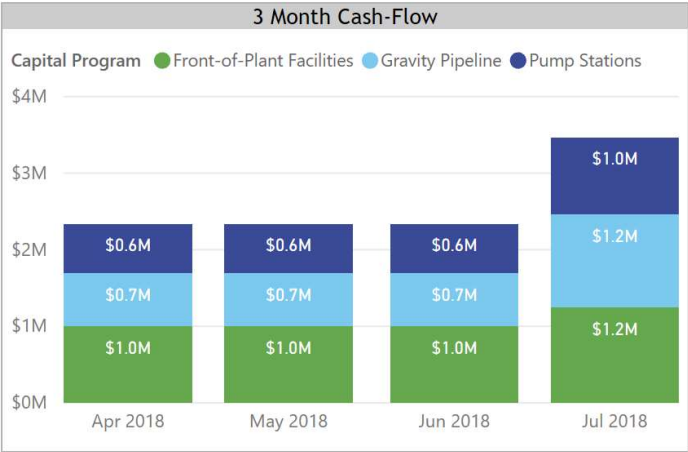
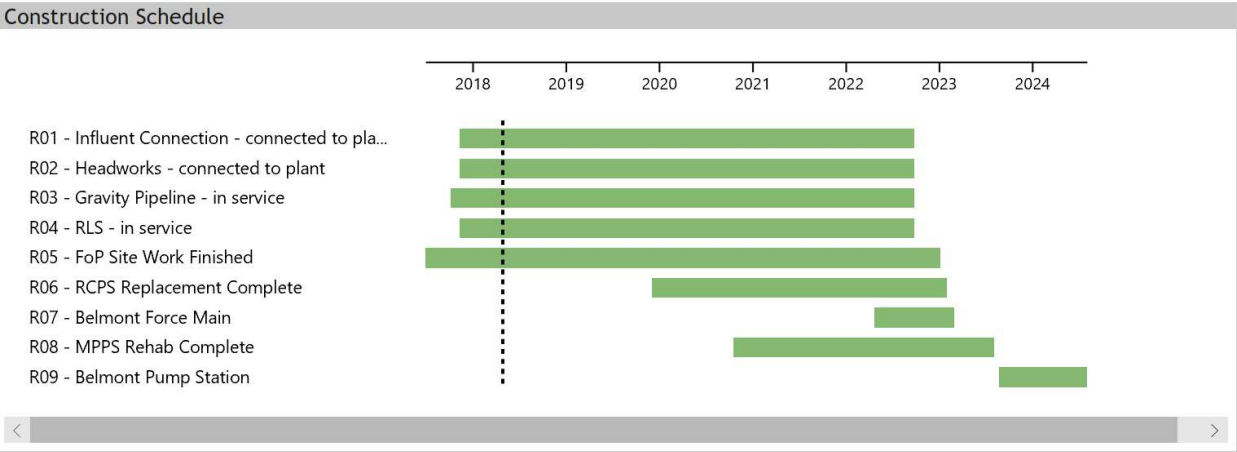
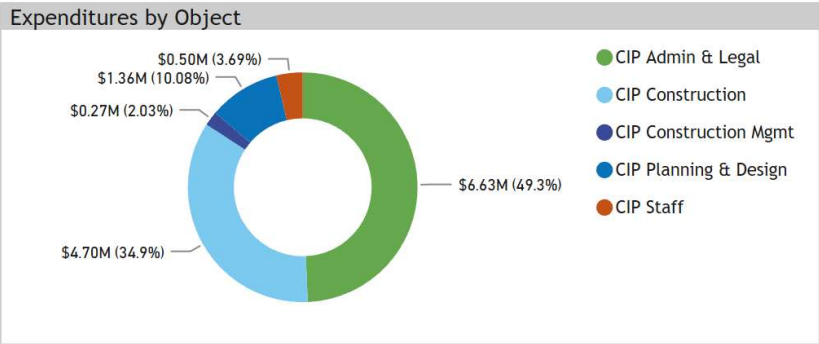
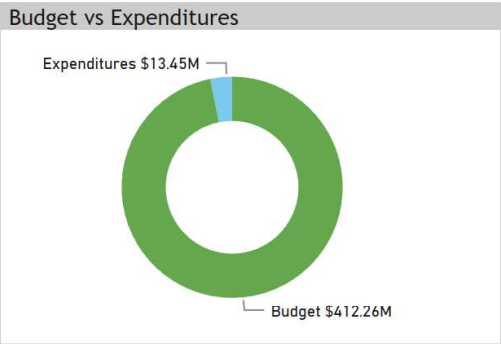
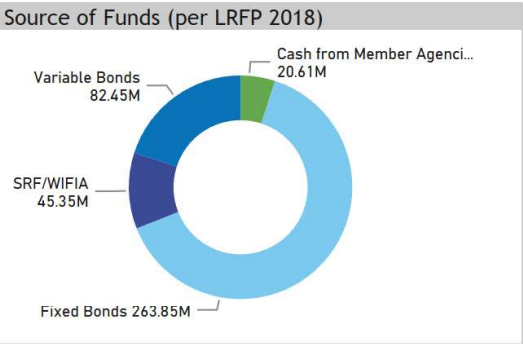
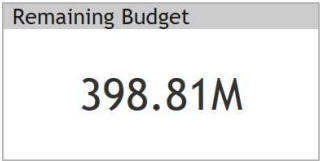
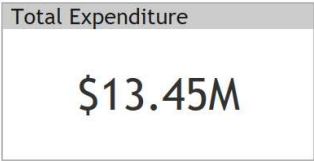
Commissioners' Requested Action Items
Updated: 05/03/2018

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
4/12/2018	1	Prepare letter in Support of AB1912	N/A			✓	4/17/2018	Prepare for John Seybert signature. Include all Commission names and who they're representing.
	2	FY18-19 Operating Budget	1-2 weeks			✓	5/2/2018	Send e-version, along with Benchmarking Chart of SVCW costs compared to other Bay Area WWTP costs, to Commissioners (Benchmarking Only), Member Agency Finance Directors and Tech Committee members.
	3	JPA re-write: prepare RFP and concurrently reach out to Legal Counsels of each member agency.	NA		✓			This item has been pushed off some due to other more imminent demands. Staff and SVCW Legal Counsel are developing the list of significant issues for presentation to JPA legal specialists to allow evaluation and development of proposals for the update of the JPA. It is expected to take two or more years to complete the update of the JPA once a firm is hired.
	4	Connection Fees	5/8/2018		✓			Additional plant capacity evaluation is underway to ensure proper flow numbers are used in the calculations. Postponed to July 2018 or later Commission Meeting.

Overview



RESCU Program describes eleven projects which constitute full replacement and rehabilitation of SVCW's conveyance system. RESCU includes the Gravity Pipeline, Front of Plant, Pump Stations, and Belmont Force Main projects. The Front of Plant includes six of the eleven projects. The Conveyance System Improvements Environmental Impact Report completed and adopted by the SVCW Commission in April 2017 covers work to be done under all the RESCU Program projects.



Front of Plant Progressive DB Project



The Front of Plant (FoP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout for Receiving Lift Station (RLS), Headworks Facility, Odor Control Facilities, Influent Connector Pipe, Chemical Offload Facilities, Civil site work, Emergency Overflow pipe to storage basin and related process support systems. Work is being implemented under a Progressive Design-Build procurement process in stages.

Available Budget

\$123.55M

Total Expenditure

\$8.09M

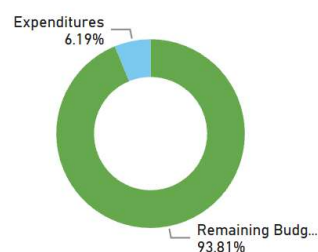
Remaining Budget

\$115.41M

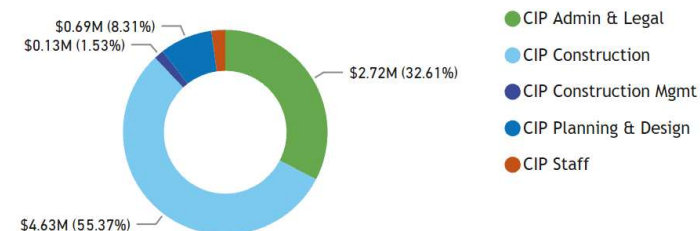
Milestone Schedule

	Start	Finish
Notice to Proceed - Stage 1 Services	11/28/2018	
Basis of Design Report (BODR)		6/11/2018
30 Percent (%) Design Documents		8/22/2018
60 Percent (%) Design Documents		10/19/2018
Stage 2A - Piles		6/14/2018
Stage 2B - RLS Excavation		7/12/2018
Stage 2C - Balance of Stage 2 Work		12/28/2018
Stage 1 Services Complete		12/31/2018

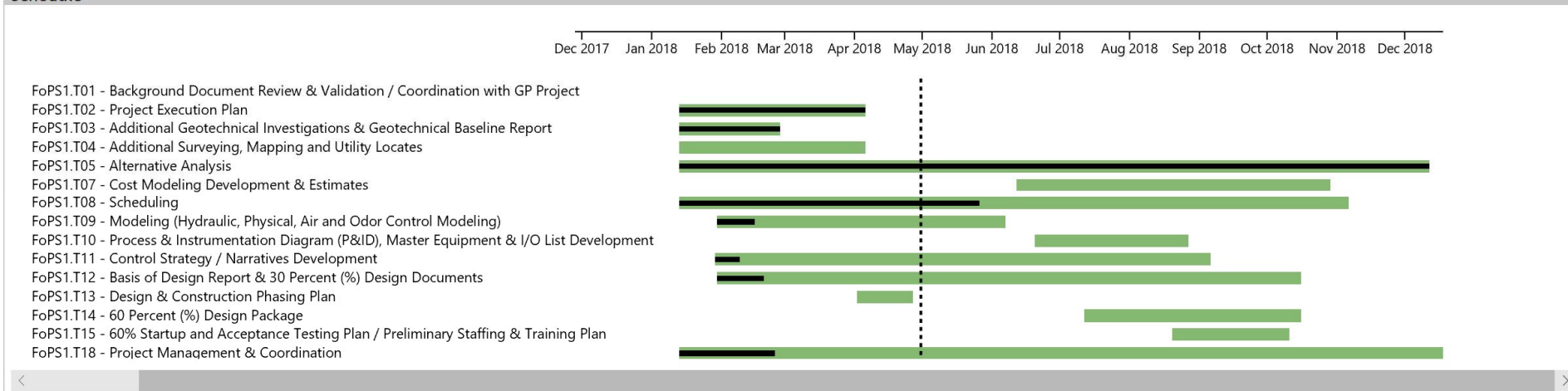
Budget vs Expenditures



Expenditures by Object



Schedule



Front of Plant Progressive DB Project



Major Accomplishments this Period

Design	<ul style="list-style-type: none"> - Established Headworks building design and associated process controls - Finalized RLS shaft base design criteria - Continued development of RLS, including pump layouts, pipe sizing, and valving - Initiated computational fluid dynamics modeling for RLS - Continued discussions related to surge protection as input to the CFD model - Coordinate with GP DB team for adit and interface between gravity pipe and RLS manifold, including surge tower
Procurement of Trade Packages	<ul style="list-style-type: none"> - Received proposals from SOE subcontractors; evaluate proposals in conjunction with GP team - Work towards a June 2018 package release for concrete pile subcontractors
Construction	<ul style="list-style-type: none"> - None

Upcoming Key Activities

Complete Flow Science CFD Analysis
Initiate physical modeling of RLS
Finalize overall site facilities to establish piles design
Continue detailing RLS and Headworks facilities
Submittal of chapters within BODR
Coordinate selection of SOE Subs w/GP Team

3 - Month Look Ahead

	Start	End	May	June	July
Submit/Review/Finalize Geotechnical Baseline Report	March 12, 2018	May 9, 2018	X		
Physical RLS Hydraulic Model Testing/Results	May 23, 2018	June 7, 2018	X	X	
Air & Odor Control Modeling	April 2, 2018	May 10, 2018	X		
Submit/Review/Finalize Basis of Design Report Package	May 11, 2018	June 19, 2018	X	X	
BODR Cost Estimate	June 12, 2018	July 18, 2018		X	X
Submit 30% Design Package to SVCW for Review	July 11, 2018	July 11, 2018			X
Submit/Review/Finalize SOE Design Package	February 26, 2018	May 14, 2018	X		
Submit/Review/Finalize Pile Foundation Design & Drawing Package	April 20, 2018	May 17, 2018	X		
Prepare/Negotiate/Finalize Stage 2 Early Release Package	May 18, 2018	July 17, 2018	X	X	X

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

Gravity Pipeline Progressive DB Project



The Gravity Pipeline (GP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout of approximately 17,600 feet of wastewater gravity FRP pipe inside a concrete-segment tunnel. The work includes four shafts and will interface directly with the Front of Plant (FoP) Project at the Receiving Lift Station (RLS). Work is being implemented under a Progressive Design-Build procurement process.

Available Budget

\$221.88M

Total Expenditure

\$4.69M

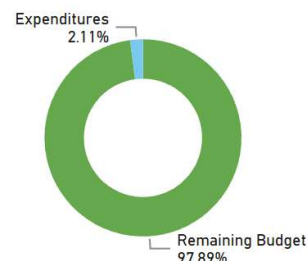
Remaining Budget

\$217.09M

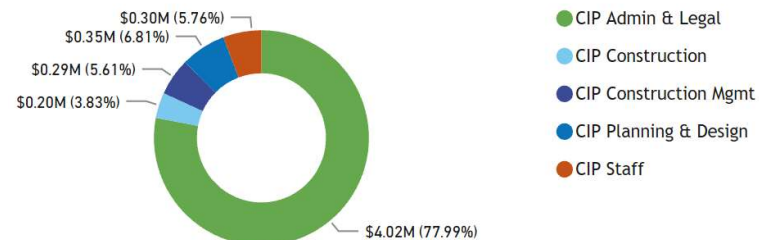
Milestone Schedule

	Start	Finish
Notice to Proceed - Stage 1 Services	10/13/2017	
Basis of Design Report (BODR)		6/19/2018
30 Percent (%) Design Documents		9/11/2018
60 Percent (%) Design Documents		11/28/2018
Stage 2A - Retrieval Shaft, TBM Purchase, Airport Clear and Grub		7/12/2018
Stage 2B - Concrete Segments and Airport Shaft SOE		10/11/2018
Stage 2C - Balance of Stage 2 Work		12/21/2018
Stage 1 Services Complete		12/31/2018

Budget vs Expenditures

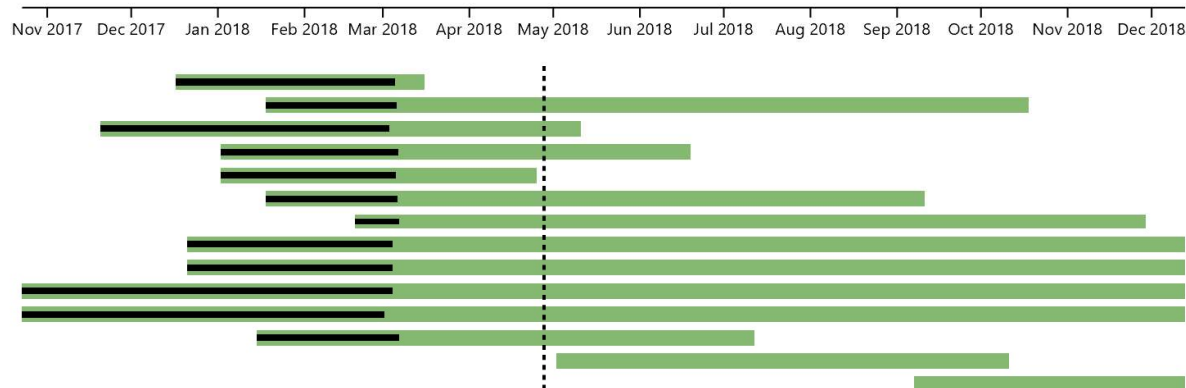


Expenditures by Object



Schedule

- GPS1.R1010 - Geotechnical Investigations
- GPS1.R1020 - GDR Update & GBR Preparation
- GPS1.R1030 - Surveying & Subsurface Utilities
- GPS1.R1050 - Basis of Design Report
- GPS1.R1060 - Development of Agreed Alternative Design
- GPS1.R1070 - 30% Design
- GPS1.R1080 - 60% Design
- GPS1.R1090 - Cost Estimates
- GPS1.R1100 - Project Schedules
- GPS1.R1110 - Permitting
- GPS1.R1120 - Project Management & Coordination
- GPS1.R1130 - Stage 2A Amendment (TBM Procurement / Ret Shaft)
- GPS1.R1140 - Stage 2B Amendment (Airport Shaft / Segments / Moulds)
- GPS1.R1150 - Stage 2 Amendment (ALL)



Gravity Pipeline Progressive DB Project



Major Accomplishments this Period

Design	<ul style="list-style-type: none"> - Completed Additional Geotechnical Investigation at Airport Access Shaft - Initiated sediment transport modeling - Initiated air flow and H2S concentration derivations - Progressed Retrieval Shaft design to near 60% - Continuing to coordinate with FoP to finalize the interface between RLS and pipe, including surge tower - Develop plan for muck removal at Inner Bair Island
Procurement of Trade Packages	<ul style="list-style-type: none"> - Met with SOE Subcontractors, in coordination with FoP DB team - Ongoing discussions with FRP pipe manufacturers - Ongoing outreach to TBM manufacturers - Outreach in conformance with SRF and WIFIA funding requirements
Construction	- None

Upcoming Key Activities

Complete design for retrieval shaft
Geotechnical Data Report
Airflow and grit transport modeling
Airport Access shaft P.G.&E coordination
Inner Bair Island retrieval shaft design
Inlet structures design
Coordinate selection of SOE Subs w/FoP Team

3 - Month Look Ahead

	Start	End	May	June	July
Geotechnical Data Report	January 24, 2018	May 15, 2018	X		
Site Survey/Potholing Work	April 23, 2018	June 18, 2018	X	X	
San Carlos Shaft Design (30% Design)	June 19, 2018	July 31, 2018	X	X	X
Tunnel Design (30% Design)	May 29, 2018	July 24, 2018	X	X	X
Hydraulic Design (30% Design)	May 7, 2018	July 24, 2018	X	X	X
Airport Access Shaft Design (60% Design)	April 9, 2018	June 25, 2018	X	X	
Bair Island Shaft Design (60% Design)	June 7, 2018	July 28, 2018		X	X
TBM Procurement (Stage 2A Proposal)	January 22, 2018	July 12, 2018	X	X	X
Retrieval Shaft Design (Stage 2A Proposal)	January 15, 2018	July 12, 2018	X	X	X

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

Pump Stations



▼ All SVCW pump stations require replacement or rehabilitation. Menlo Park PS will be rehabilitated. Redwood City PS will be replaced. Belmont PS will be rehabilitated. San Carlos PS is no longer needed due to the new gravity pipeline; flows from San Carlos and Belmont will enter into the gravity pipeline via a drop structure at the current San Carlos pump station site. Flows from the MPPS and RCPS will flow through the new 48-inch force main to a drop structure at Inner Bair Island.

Available Budget

\$66.83M

Total Expenditure

\$508.60K

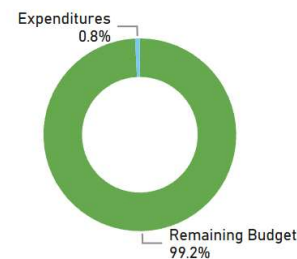
Remaining Budget

\$66.30M

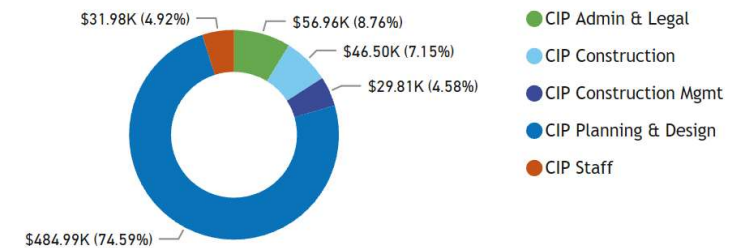
Milestone Schedule

	Start	Finish
▼ Recommend Procurement Process to Commission		6/14/2018
Issue Request for Qualifications		7/13/2018

Budget vs Expenditures

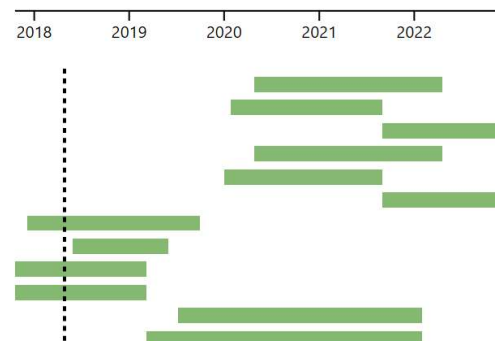


Expenditures by Object



Schedule

BPR.1270 - Belmont Pipeline Rehab
 BPR.1280 - Belmont Pipeline Rehab
 BPR.1290 - Belmont Pipeline Rehab
 BPS.1250 - Belmont Pump Station Rehab
 BPS.1260 - Belmont Pump Station Rehab
 BPS.1270 - Belmont Pump Station Rehab
 RCPS.1250 - Redwood City Pump Station Rehab
 RCPS.1260 - Menlo Park Pump Station Rehab
 RCPS.1260 - Redwood City Pump Station Rehab
 RCPS.1270 - Menlo Park Pump Station Rehab
 RCPS.1270 - Redwood City Pump Station Rehab
 RCPS.1280 - Menlo Park Pump Station Rehab



Pump Stations



Major Accomplishments this Period

Design	<ul style="list-style-type: none"> - Significant interaction with SVCW O&M team and design team - Preliminary decisions on MPPS: no bar screens, no valving to FEF, add trash rack, use chopper pumps; all decisions to be verified - Preliminary decisions on RCPS: bar screens - Pending decision: RCPS a submersible PS or a wet well/dry well PS?

Upcoming Key Activities

Menlo Park PS prepare Basis of Design
Redwood City PS prepare Basis of Design
Belmont PS and Connector Pipe Basis of Design
Package all pump station work into Bridge Documents
Prepare for recommendation on project procurement method

3 - Month Look Ahead

	Baseline	Forecast
Schedule Development in Progress		

Work in Progress

Safety Spot Light

Category	Value

**MINUTES OF SILICON VALLEY CLEAN WATER
REGULAR MEETING – APRIL 12, 2018
8:00 a.m.**

ITEM 1

CALL TO ORDER

Commissioner Seybert called the meeting to order at 8:02 a.m.

ITEM 2

ROLL CALL - Commissioners Duly Appointed by Each Agency

Council Member John Seybert, Redwood City – Chair
Council Member Warren Lieberman, PhD., Belmont– Vice Chair
Mayor Robert Grassilli, San Carlos – Secretary
Board Member George 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
Jennifer Flick, SVCW HR Manager
Matt Anderson, SVCW Chief Financial Officer / Administration Manager
Monte Hamamoto, SVCW Chief Operating Officer
Kim Hackett, SVCW Engineering Director
Bruce Burnworth, SVCW Senior Engineer
Arvind Akela, SVCW Engineering
Robert Huffstutler, SVCW Operations Director
Keith McClure, SVCW Operations Supervisor
Tara Peterson, City of San Carlos
Molly Flowerday, City of Redwood City
Bill Tanner, Tanner Pacific, Inc.
Mark Minkowski, Kennedy/Jenks
Mathew Callahan, CID, Inc.
Nate Olson, CID, Inc.
Dustin Kaufman, Overaa
David Ensinger, Overaa
Juliana Kresse, Liebert Cassidy Whitmore
Suzanne Solomon, Liebert Cassidy Whitmore

ITEM 3

PLEDGE OF ALLEGIANCE

Mr. Anderson 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 spoke about safety in places of public assembly. When you are in a room or building you are not familiar with, take a look around and find at least two (2) exits in case of an emergency. Also, it's important to remain calm if something does happen as well as having an Emergency Plan and a meeting place where all are to gather.

ITEM 5B

MANAGER'S REPORT

Mr. Child began his report by commenting on the Sustainable Water Reuse Conference. About 185 people attended from the area and they had a very interesting way of keeping the minutes. They had artists who were listening to the speakers and then drawing pictures of what they were talking about.

The conference centered on why we need potable reuse water and the fact that there's not enough water available. A panel of six (6) people spoke about the importance of developing a sustainable water policy including what was needed and how to proceed.

A second panel talked about the benefits and where we see them coming from and the final panel discussed the Regional Partnership and how wastewater can work with water as well as irrigation companies and all the different options and how this system can work.

Overall, the spirit there was very positive and one of SVCW 's engineers, Eric Hansen, was one of the three people who helped put it all together and he did a great job. Commissioner Otte who also attended the conference indicated that it was very positive and has potential cost benefits to us down the road.

The final report concerned a bill, AB 1912, in the California State Assembly sponsored by Assembly Member Freddie Rodriguez. This is the JPA Liability Bill. What the bill proposes is if a JPA dissolves, the member agencies will have to absorb that liability. The League of Cities has come out strongly against this and is asking SVCW to write a letter stating the passage of this Bill would be a mistake. Mr. Child asked the Commissioners if they were agreeable to having him draft a letter to Mr. Rodriguez and having Commissioner Seybert sign it.

Mr. Seybert indicated that when the letter was ready, he would stop by the office to sign it and added that he felt the letter should contain the names of the Commissioners and the cities they represent.

ITEM 5C**FINANCIAL REPORTS**

There were no questions on the Financial Reports

ITEM 5D**ENGINEERING PROJECT STATUS UPDATE**

There were no questions on the Engineering Report

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

Ms. Herrera provided a program summary handout to the Commissioners. She noted that, next month, the summary report will be included in the Agenda Package.

Also, she gave each Commissioner an article regarding the rising price of steel over the last several months which will affect SVCW's projects.

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

Commissioner Lieberman wanted to express his appreciation to Messrs. Child and Anderson regarding a study session at the City Council Meeting earlier that week in which they gave an overview regarding what was going on with the CIP Programs.

Commissioner Lieberman added that he wanted to thank everyone who participated in the Potable Reuse Conference. Fortunately, we here at SVCW are ahead of the game, but as a nation, we are way behind the rest of the world.

ITEM 7**CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR ITEMS 7A THROUGH 7E**

Motion/Second: Mr. Grassilli / Mr. Lieberman

The Motion carried by Unanimous Roll Call Vote.

ITEM 8A**CONSIDERATION OF RESOLUTION APPROVING GRAVITY PIPELINE PROJECT DESIGN-BUILD STAGE 1 AGREEMENT AMENDMENTS (CIP #6008)**

Ms. Herrera began her presentation by focusing on items that were not in the Agenda Package. Stage 1 Design-Build agreement brings the design from a ten percent level (10%) to a sixty percent level (60%) and Stage 2 will complete the design and then construct the pipeline. There are four (4) Amendments to the Stage 1 agreement that need to be implemented to avoid negatively affecting the project schedule. Some of these are long-lead items and others are a need for additional information for finalizing even the sixty percent (60%) design.

Referring to a site plan of the gravity pipe project, Ms. Herrera pointed out amendment Items 1 through 4. Item 1 is a PG&E power drop at the TBM launch shaft which is a long-lead item and requires P.G.&E. review and provision. Item 4 is a need for additional geotechnical work to ascertain, if any, impact of groundwater.

Referring to two items near, and at, the treatment plant site, Amendment 2 concerns two residences where we will be clipping the edges of their property by approximately five (5) feet and staff believes it will be beneficial to the Authority and the homeowners to get some monitoring devices on their homes and foundations to make sure there are no settlement problems due to the tunneling. Item 3 is the retrieval shaft here at the Plant. Staff recommends moving this work forward from a sixty percent design (60%) to one hundred percent design (100%).

This item is to ratify Amendment 1 which Mr. Child already signed and then to approve Amendments 2, 3 and 4 for a total amount of \$580,576.00. This work, with the exception of the geotechnical work, would have been done as part of Stage 2, but staff believes it is more cost effective to do the work now. The geo-technical work is needed to avoid potential issues related to finding water once the tunnel is under construction. It is much easier and less costly to deal with water if you know it is there, than to accidentally find it once the tunnel is being built.

Commissioner Seybert asked for the addresses of the two residences affected by Amendment 2.

Mr. Child stated that he did not know the exact addresses but they are located just past and across the street from the Sandpiper Elementary School in the Governors Bay area.

Move adoption of RESOLUTION OF GRAVITY PIPELINE PROJECT DESIGN-BUILD STAGE 1 AMENDMENT NO. 1 AND APPROVING AMENDMENT NOS. 2, 3 AND 4 FOR GRAVITY PIPELINE PROJECT (CIP #6008) – BARNARD-BESSAC JOINT VENTURE (\$580,576.00)

Motion/Second: Mr. Otte / Mr. Lieberman

The Resolution carried by Unanimous Roll Call Vote

ITEM 8B

CONSIDERATION OF MOTION AWARDDING CONSTRUCTION CONTRACT FOR THE FOOD WASTE RECEIVING PILOT PROJECT (CIP #9229)

Ms. Herrera began by stating the Item 8B is the Food Waste Receiving Pilot Project and this is to award the construction project. This was originally bid in 2016 and there was quite a range in the bids. It was put on hold because we were waiting for the Authority-To-Construct Permit from the Bay Area Air Quality Management District. The Permit was finally received last month on March 1st after a very painful process. The project was re-bid and one (1) bid was received from Overaa Construction. Their bid came in higher than expected at \$935,000.00, but since there was only one bid, staff was able to work with them for find savings and ultimately negotiate the bid down to \$684,000.00. One of the reasons staff was able to negotiate the cost down was because if we do it as a Change Order to a project that Overaa is already working on, the general conditions costs come down quite a bit. Therefore, SVCW staff is proposing that the work be done as a Change Order to Overaa's current project.

Additionally, there is some complexity to the Food Waste Project. Recology has a facility at their San Francisco site where they are testing to extract organic waste from the garbage. Unfortunately, it has not been as successful as they had hoped and the system has not been running for some time. We've spoken with them and they may be willing to restart the program when our facility is ready to accept waste.

The other concern is that we have a CEC Grant which has a completion date of September 2019. Another concern is making sure the feed stock is available and that our timeline fits within the parameters of the CEC Grant. If this item is approved today, we can plan to construct the project but it will only be implemented if the feed stock availability is confirmed and the grant timing can be met. Ms. Herrera recommended approval of a Change Order to Overaa Construction in the amount of \$684,000.00.

Commissioner Grassilli asked for a definition of feed stock. Ms. Herrera responded that feed stock is the organic material that is in garbage. Unfortunately, Recology has not been able to extract enough organics from their garbage. Recology feels that because San Francisco is so strict about source separation, they are not getting a lot of organics in the garbage.

Recology San Francisco is proposing moving the equipment to the SBWMA site where the organics in the garbage are considered to be much higher. Mr. Child added that he had a meeting yesterday with the SBWMA Manager and was told that they are committed to this program, but they need approximately sixty (60) days to figure out the timing so we would appreciate the approval so we can go when we are ready.

Commissioner Lieberman had a question regarding the two-year delay. The fact that the bids went up so high and went from multiple bids to a single bid – was that just due to the fact that contractors are busier now or were there other factors involved?

Mr. Child responded that he felt it was totally because they are busier now.

Commissioner Lieberman wanted clarification that there is a Pilot Program first and then the full effort and the Pilot Program is expected to cost less than \$100,000.00. Then if

successful, we will then go forward with the full project. Mr. Child responded that was correct.

Move adoption of RESOLUTION APPROVING CONTRACT DOCUMENTS AND ACCEPTING NEGOTIATED BID PRICE FOR FOOD WASTE RECEIVING PILOT PROJECT UNDER STATE GRANT PROGRAM (CIP #9229) WITHOUT COMPETITIVE BIDDING, FINDING THAT COMPETITIVE BIDDING WOULD BE UNAVAILING, WOULD NOT PRODUCE AN ADVANTAGE AND WOULD NOT BE IN THE PUBLIC INTEREST; AUTHORIZING EXECUTION OF AGREEMENT FOR SAID WORK AS A CONSTRUCTION CONTRACT CHANGE ORDER TO THE THICKENING IMPROVEMENTS PHASE 1 PROJECT (CIP #9168) AND AUTHORIZING THE MANAGER TO APPROVE CHANGE ORDERS UP TO TEN PERCENT (10%) OF CONTRACT VALUE FOR SAID PROJECT (\$684,000.00)

Motion/Second: Mr. Grassilli / Mr. Otte

The Resolution carried by Unanimous Roll Call Vote

ITEM 8C

CONSIDERATION OF RESOLUTION AWARDING CONTRACT DOCUMENTS FOR THE DESIGN-BUILD OF WASTEWATER TREATMENT PLANT IMPROVEMENTS PHASE 2 PROJECT AND CONSIDERATION OF MOTION AMENDING THE TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE WWTP RELIABILITY IMPROVEMENTS PHASE 2 PROJECT

Ms. Herrera began by stating that this Project is a Design-Build Project. Currently there are seven (7) Projects in this Wastewater Treatment Plant Improvements. It was decided to use a fixed-price Design-Build method for procurement which was presented to the Commission approximately one year ago. We received two (2) proposals from very good, solid Design-Build Teams. The Selection Panel recommends the award go to Overaa using HydroScience as their design engineer. This is based on Overaa being the highest ranked team on their proposals, interviews and cost.

Additionally, Kennedy/Jenks is acting as SVCW's Owners' Advisors for this project. They developed the Request For Proposal (RFP) that was distributed to potential design-build teams and they will assist SVCW during the design and construction phases. We added to their original scope of work the inclusion of two (2) rotary presses which are used for de-watering so we are requesting an increase to their Task Order.

Commissioner Seybert asked if this helped in negotiating Overaa down on the Food Waste project. Ms. Herrera responded that it absolutely did help.

Commissioner Otte asked if this was considered "deferred maintenance"? Mr. Child responded that it was.

Move adoption of RESOLUTION APPROVING DESIGN-BUILD DOCUMENTS FOR THE WASTEWATER TREATMENT PLANT IMPROVEMENTS PHASE 2 PROJECT (CIP

#9169, 9173, 9186, 9189, 9197, 9220 AND 9224) AUTHORIZING EXECUTION OF AGREEMENT AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT (10%) OF THE CONTRACT PRICE FOR SAID PROJECT - C. OVERAA / HYDROSCIENCE (\$9,000,000.00)

Motion/Second: Mr. Lieberman / Mr. Otte

The Resolution carried by Unanimous Roll Call Vote

Move approval of RESOLUTION AMENDING THE TASK ORDER SCOPE AND BUDGET FOR OWNER'S ADVISOR SERVICES FOR THE WWTP RELIABILITY IMPROVEMENTS PHASE 2 PROJECT IN AN AMOUNT NOT-TO-EXCEED \$87,782.00 - KENNEDY/JENKS

Motion/Second: Mr. Lieberman / Mr. Otte

The Resolution carried by Unanimous Roll Call Vote

ITEM 8D

CONSIDERATION OF RESOLUTION AWARDING CONTRACT DOCUMENTS FOR CONSTRUCTION OF SAF-MBR RESEARCH FACILITY INFRASTRUCTURE.

Ms. Herrera began her discussion by stating that in the past, SVCW had received a \$2 M grant from the California Energy Commission and since we have been teaming with other agencies as well as Stanford and the Renew It Program and together with matching funds, our initial grant is now worth approximately \$3.22 million. The Commission authorized a commitment in cash up to \$500,000.00, part of which is to cover locating and constructing the research facility at the treatment plant. We are looking for approval to construct the concrete pad, a twenty (20) foot tower and utilities (power and primary effluent) to the site.

Power Engineering who is already on site doing other work, was asked to give us a quote and because this is a Pilot Project for research purposes, SVCW Counsel determined that it qualifies for exclusion from the public bidding process.

Ms. Herrera showed a picture of where the tower was going to be located. By next week, SVCW will have a time-lapse camera to record the construction of the pad and tower. Ms. Herrera noted that SVCW intends to have cameras in other areas of the Plant to record future construction and this is a good project to test the system.

Commissioner Lieberman asked if Stanford had a couple of other options of who they could partner with to do this. Why did they choose SVCW? Was it our location or our incredibly good staff?

Mr. Child responded that it was SVCW reputation and willingness to participate in innovative technologies such as this, the potable reuse movement, Mango Materials and BioForceTech for biosolids management.

Commissioner Lieberman stated that he felt that while this is a bit of an investment for us to do this, although we are talking fifteen percent (15%) of the full cost which is a great way to leverage money, but ultimately if this proves out and good things come out of this, it would be a big net saver.

Mr. Child concurred, but cautioned this is a Pilot Program. Based on what is known today, (Stanford has a very small plant on campus that they are running) it is producing significant power savings. This is an anaerobic process and is not a typical secondary treatment process, but is generally used in digesters. It uses a lot less power than an aerobic process which SVCW uses today for secondary treatment.

Commissioner Lieberman asked if Mr. Child felt this was a good opportunity to invest in the Plant's future? Mr. Child responded it was definitely a good investment.

Commissioner Grassilli questioned that when the research is done, what happens next?

Mr. Child responded that it actually becomes ours and there is no liability because the equipment that manufacturers are donating, then becomes ours.

Commissioner Lieberman asked if there was any time frame or would it become an ongoing research facility?

Mr. Child responded that the CEC Grant was tied to it and this particular phase has to be completed by 2021 which he didn't feel was a problem. After that date, we could continue to operate it because it is very small (approximately 25 gallons per minute) and it could be expanded to the next phase. He also felt it was between a five and ten-year program to develop this technology.

Commissioner Lieberman asked what would happen if it went beyond ten-years? Do you anticipate that if there is a desire to continue operating this, there would be continued grant funds from Stanford?

Mr. Child responded that if successful, there likely would be more grant funding. If not, then there would be a structure that would have to be removed or used for something else.

Commissioner Otte asked if there would be an odor control issue. Mr. Child responded that the process is completely contained and enclosed, but odors are being addressed.

Move adoption of RESOLUTION APPROVING CONTRACT FOR CONSTRUCTION OF INFRASTRUCTURE IMPROVEMENTS FOR THE SAF-MBR PILOT RESEARCH PROJECT WITHOUT COMPETITIVE BIDDING, FINDING THAT COMPETITIVE BIDDING WOULD BE UNAVAILING, WOULD NOT PRODUCE AN ADVANTAGE AND WOULD NOT BE IN THE PUBLIC INTEREST AND AUTHORIZING SVCW MANAGER TO APPROVE CONSTRUCTION CONTRACT CHANGE ORDERS UP TO TEN PERCENT (10%) OF THE CONTRACT PRICE – POWER ENGINEERING CONTRACTORS (\$320,000.00)

Motion/Second: Mr. Lieberman / Mr. Grassilli

The Resolution carried by Unanimous Roll Call Vote

ITEM 8E

CONSIDERATION OF CONTRACT CHANGE ORDER FOR PLANT SECURITY GATE FOR NEW 12kV SWITCHGEAR PROJECT (CIP #9807)

Ms. Herrera began by saying this is a combination of two projects: 12kV Project and Plant Security/Front of Plant Design-Build Project. These two (2) projects are being done on the West side of the Treatment Plant. Ms. Herrera showed a picture of the West side now and a rendering of the West side after showing the location of the new entrance gate which is the topic of this Agenda Item. During construction, the plan is to close off the chain-link gate near the dog park which will be converted to use for construction traffic only. The main gate into the treatment plant will be relocated to the north side of the front of plant area. Currently there are a couple of ways around the main gate and we are paying a security company over \$18,000.00 per month to monitor access during the hours of 6:00 pm to 6:00 am and on weekends. If we move this project up in time, the security service can be stopped.

The work would be done under a Change Order to the 12kV Project. This project is being done by JF Shea/Parsons and SVCW Engineering Staff negotiated a cost with them in an amount not to exceed \$120,000.00. By doing this work now, we will be able to exclude it from the Stage 2 design build contract.

Commissioner Lieberman asked, if he was doing the math correctly, SVCW will save enough money in seven (7) months of security company cost at \$18,000.00 per month to pay for this?

Ms. Herrera answered affirmatively.

Ms. Herrera also indicated that there will be signs posted giving directions to the new entrance gate.

Move approval of CONTRACT CHANGE ORDER FOR NEW 12kV SWITCHGEAR PROJECT (CIP #9187) IN THE AMOUNT OF \$120,000.00 AND AUTHORIZING MANAGER TO APPROVE UP TO TEN PERCENT (10%) CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – JF SHEA/PARSONS JOINT VENTURE

Motion/Second: Mr. Grassilli / Mr. Lieberman

The Motion carried by Unanimous Roll Call Vote

ITEM 8F

CONSIDERATION OF RESOLUTIONS APPROVING AND ADOPTING FISCAL YEAR 2018 – 2019 ANNUAL OPERATING AND CAPITAL EXPENDITURES BUDGET.

Mr. Anderson began his presentation by stating that this was a continuation from the March meeting and no changes are proposed from what was reviewed in March. He reminded the Commission that SVCW is looking at a 3.96% increase in our Operating Budget; this is less than our Long Range Financial plan which was our goal. In addition, we have seen decreases in our revenue funding capital which is approximately \$1.5 M that we contribute to smaller capital projects each year. There also is a decrease in the amount of the Operations Reserve Fund designations this year because last fiscal year we had an unusual emergency item that required replenishment of the fund. There is a significant increase in debt service required to fund the RESCU Program. The amount of money we have in debt proceeds at present between cash and the Bonds we issued, is estimated to be enough to last through the Summer of 2019. Prior to that point, we will be discussing future funding.

At the last meeting the Commission request that staff do some comparisons as to where SVCW stands compared to other agencies. Mr. Anderson provided a chart comparing SVCW's treatment costs to other Bay Area treatment plants treatment cost. SVCW fell in the middle of the range, which he felt was a good result. He also asked these agencies what they anticipate in budget increases for the coming fiscal year and the average came out to be around five percent (5%). Some were as high as seven percent (7%) and some were as low as two percent (2%), so SVCW's proposed increase is in the same ball park as others.

Commissioner Seybert asked who were the two really high and who was the lowest?

Mr. Anderson responded that the lowest was Marin and the two biggest are West County and Dublin-San Ramon.

Commissioner Otte asked Mr. Anderson if he could get a readable copy of the chart as it is very small. Mr. Anderson said he would provide a better copy.

Commissioner Lieberman requested that SVCW also send an electronic copy to all four JPA Agencies' Finance Directors. Mr. Child said that he would see that it was provided to all Technical Committee Members and Finance Directors.

Move adoption of RESOLUTIONS F i, F ii, F iii and F iv APROVING AND ADOPTING THE FISCAL YEAR 2018 TO 2019 REVENUE PLAN IN THE AMOUNT OF \$24,213,623.00 IN NET OPERATING REVENUES REQUIRED AND \$1,485,500.00 FOR REVENUE FUNDED CAPITAL PROJECTS IN ADDITION TO CASH RESERVE DESIGNATIONS IN THE AMOUNT OF \$984,034.00 AS WELL AS DEBT SERVICE EXPENDITURES IN AN AMOUNT OF \$20,389,946.00 AND AUTHORIZING SVCW MANAGER TO IMPLEMENT, MANAGE AND APPROVE EXPENDITURES AUTHORIZED WITHIN SAID FISCAL YEAR'S ANNUAL OPERATING AND CAPITAL EXPENDITURES BUDGET AS ADOPTED BY THE SILICON VALLEY CLEAN WATER COMMISSION.

Motion/Second: Mr. Lieberman / Mr. Grassilli

The Resolutions carried by Unanimous Roll Call Vote

ITEM 9**CLOSED SESSION**

Closed Session was called to order at 8:40 a.m.

- A. LABOR NEGOTIATIONS (Govt. Code Section 54957.6(a))
AGENCY NEGOTIATIONS: Daniel T. Child, SVCW Manager
Matt Anderson, Chief Financial Officer/Admin Manager
Jennifer Flick, SVCW Human Resources Director
Monte Hamamoto, SVCW, Chief Operating Officer
Darrell Murray, IEDA
EMPLOYEE ORGANIZATION: IUOE Local 39
- B. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Pursuant to Government Code Section 54956.8
Property Description: 930 Governor's Bay, Redwood City, CA (APN: 095-380-210)
SVCW Negotiators: Lillian Jewell, Kevin Thorne (Hamner, Jewell & Associates);
SVCW Manager, Daniel T. Child
Negotiating Parties: Young/Leung
Under Negotiation: Price and terms
- C. CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to Section 5495639(b) and (d)(2) (one potential case)

ITEM 10**RECONVENE IN OPEN SESSION**

Open Session reconvened at 9:42 a.m. Legal Counsel reported that as to Closed Session Item 9A, instruction was given to Staff and no action was taken. As to Closed Session Item 9B, instruction was given to Staff and no action was taken and as to Closed Session Item 9C, instruction was given to Staff and no action was taken.

ITEM 11**ADJOURN**

There being no further business, the meeting adjourned at 9:44 a.m.

Robert Grassilli, Secretary

By: Teresa A. Herrera, Assistant Manager

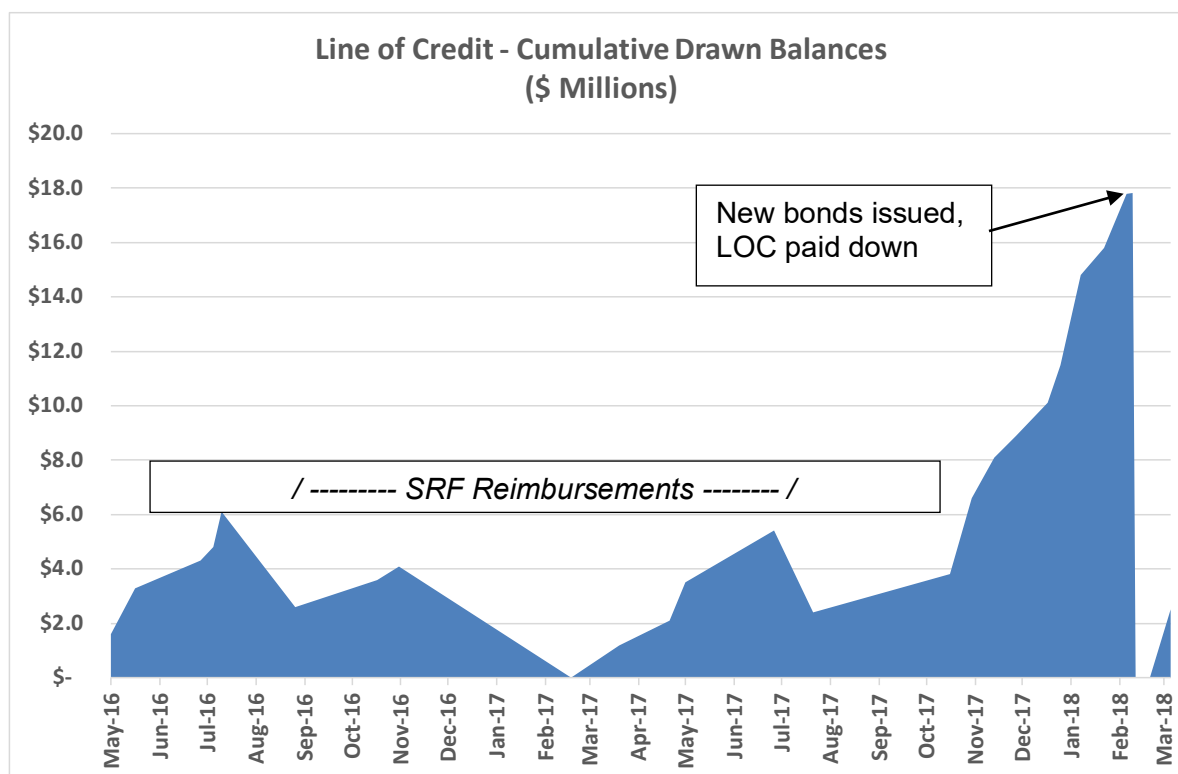
AUTHORIZATION TO AMEND EXISTING AGREEMENT FOR A LINE OF CREDIT**ISSUE**

Authorization to renew an agreement with Wells Fargo Bank, National Association (Wells Fargo) for a Line of Credit facility (LOC) initially valued at \$30 million, with an “accordion” feature that would allow the principal amount to flex up to \$65 million at the request of SVCW, but subject to credit approval.

BACKGROUND

Since 2012, when SVCW began incurring significant capital expenditures, it has managed its short-term debt needs via a \$30 million LOC. Initially with Bank of the West, SVCW conducted an open and competitive proposal process 2015 and after reviewing submitted proposals, selected Wells Fargo. The primary basis for selection related to reduction in costs. The LOC remains a valuable tool to manage cash flow and reduce overall borrowing costs by providing bridge financing for Capital Improvement Program (CIP) projects and/or offering short-term liquidity to SVCW member agencies that choose to defer participation in revenue bond issuances.

SVCW has used the LOC liquidity to support governmental loan programs like the State Water Resource Control Board’s (SWRCB) State Revolving Funds (SRF) program. These governmental loan programs are structured such that, during construction, SVCW initially funds the project before being reimbursed by the governmental agency. Reimbursements accumulate as total principal borrowed until construction is complete. During the construction period, reimbursement typically takes 90 to 120 days. The chart below depicts the LOC balance since its inception of use in 2016.



DISCUSSION

SVCW is entering a peak period of CIP expenditures. The January 2018 Long Range Financial Plan projects monthly expenditures increasing to almost \$20 million. With the goal of financing projects at the lowest possible cost, SVCW continues to pursue loans from the SRF program and from the federal Water Infrastructure Finance Innovation Act (WIFIA) program offered by the Environmental Protection Agency (EPA). Recently, the SWRCB indicated that SVCW is eligible for up to \$169 million in SRF loans.

Recognizing the sizeable increase in future CIP expenditures, the LOC will be even more critical to meeting SVCW's liquidity needs. Therefore Wells Fargo has agreed to create a flexible feature that allows SVCW to increase the principal amount within an initial range of \$30 million up to a maximum of \$65 million when needed. Additionally, terms of the LOC were improved upon as follows:

Description	Current LOC	Proposed LOC
Principal	\$30 million	\$30 to \$65 million
Term	3 years	3 years
Tax exempt Drawn Rate <i>e.g. April 24 LIBOR=1.85%</i>	70% of LIBOR + 70 basis points 2.00%	80% of LIBOR + 47 basis points 1.95%
Tax exempt Undrawn Rate	25 basis points	23 basis points
Taxable Drawn Rate* <i>e.g. April 24 LIBOR=1.85%</i>	N/A	100% of LIBOR + 60 basis points 2.45%
Taxable Undrawn Rate*	N/A	23 basis points

** Available in the event of using the LOC for unanticipated operating expenditures*

FINANCIAL IMPACT

SVCW will incur no more than \$30 thousand in one-time costs to initiate the loan, complete legal review, and close the agreement. Once executed, fees will be paid on undrawn balances and interest will be paid on drawn balances. The combined expense for drawn and undrawn depends on utilization of the LOC. Assuming current rates and three potential liquidity scenarios, the below table illustrates estimated borrowing costs over a one-year period of this LOC:

Description	Scenario 1	Scenario 2	Scenario 3
Use of Funds:			
Undrawn	\$25,000,000	\$10,000,000	\$10,000,000
Drawn	\$ 5,000,000	\$35,000,000	\$55,000,000
Total Principal	\$30,000,000	\$45,000,000	\$65,000,000
Annual Costs:			
Undrawn	\$ 57,500	\$ 23,000	\$ 23,000
Drawn	\$ 97,500	\$ 682,500	\$ 1,072,500
Total Cost	\$ 155,000	\$ 705,500	\$ 1,095,500

These costs would be allocated to member agencies according to the percentage of ownership as defined in the SVCW Joint Exercise of Powers Agreement.

RECOMMENDATION

Move adoption of RESOLUTION OF THE COMMISSION OF SILICON VALLEY CLEAN WATER AUTHORIZING THE AMENDMENT OF A CREDIT AGREEMENT WITH WELLS FARGO BANK, NATIONAL ASSOCIATION, AND APPROVING RELATED FINANCING DOCUMENTS AND OFFICIAL ACTIONS

REVISIONS TO RECORDS RETENTION SCHEDULE

ISSUE

Approve revisions to Silicon Valley Clean Water (SVCW) Records Retention Schedule

BACKGROUND

SVCW developed a Records Retention Schedule (RRS) to address the many documents that were created both before the treatment plant was built and continuing to date. The RSS was approved by the Commission on March 10, 2016. The retention schedule was based upon SVCW's file index with input from management and review by legal counsel. The RSS is a living document that over time will change due to changes in the Government Code and inclusion or exclusion of files that were not considered at the time of its creation.

An RRS is a vital part of an effective records management program and defines the Agency's legal and compliance record keeping requirements. An agency implements a records retention schedule to ensure that its records are kept for as long as is legally and operationally required and that obsolete records are disposed of in a systematic and routine manner.

Over the past two years staff has been sorting through existing files to determine where they fit within the Records Retention Schedule. Thus far staff has disposed of over a thousand individual files. Staff is in the midst of creating a new file storage site via a software called Sharepoint where files will be stored offsite in "the cloud" (i.e., data storage farm) rather than onsite servers. In the Information Technology field, this is a best management practice, fully ensuring a robust and secure file storage methodology.

Sharepoint will automatically dispose of a file when the end of a retention period is reached which will significantly ease the time required by staff to track files and their retention periods. Therefore, while files are transferred to Sharepoint, staff had intended to apply the newly established retention periods to each file, thus minimizing the time needed to go back and do this at a later period. Unfortunately, during this transfer process, staff has found several challenges in working with the RSS as it is currently developed.

DISCUSSION

The largest challenge faced by staff is the complexity of the RSS. There are over 500 different retention periods for the files that SVCW maintains. While some have a "permanent" retention period (for example, Commission meeting minutes), other files will have varying retention periods (2 years, 5 years, 7 years, 10 years, etc). To enable staff to proceed with migration of files to Sharepoint, the Manager and Chief Financial Officer have determined that a simpler RSS is needed.

The proposed method to address the need to simplify file retention is to:

1. For records requiring permanent retention status, make no change.
2. For records having varying retention periods, determine the longest retention

period required within each department and establish that retention period for all files within the department. The RSS is already arranged by department so It is beneficial to maintain the department-based arrangement.

Staff recommends that the Commission approve Revision 1 to the Records Retention Schedule to simplify the process for tracking and ensuring compliance with government regulations. While the proposed method will mean that some records are maintained for longer than legally required, the change will greatly simplify and assist to ensure compliance.

FINANCIAL IMPACT

There are no immediate or direct financial impacts to this action although approval of the action will minimize staff time needed to fully implement the RSS with its integration into the SharePoint system. An added benefit of implementing the system is that once the RSS is fully integrated, it will minimize potential future legal exposure.

RECOMMENDATION

Move adoption of RESOLUTION APPROVING REVISION 1 TO SILICON VALLEY CLEAN WATER RECORDS RETENTION SCHEDULE

**RESCU PROGRAM CO-LOCATION FACILITIES
PURCHASE OF TRAILERS**

ISSUE

Approve Purchase of Mobile Office Facilities which serve as offices for Gravity Pipeline and Front of Plant Design-Build Teams.

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 Gravity Pipeline project to be constructed by tunneling methods from the north edge of Inner Bair Island to the treatment plant. Another major component is the Front of Plant project to provide deep lift station pumping, raw wastewater screening and grit removal (collectively, "headworks"), and conveyance to the existing primary sedimentation tanks in the treatment plant.

A method for ensuring strong interaction between the two RESCU project components, their respective design-build teams and SVCW staff is to co-locate into mobile offices near the Front of Plant construction site. Staff worked with Mobile Modular to provide office trailers to suit the needs of the teams. Mobile Modular provided quotes for the lease, delivery and set-up of three triple-wide office trailers, including all interior work to provide offices, restrooms, kitchenette, and conference rooms. The quotation was received on September 6, 2017. At the October 5, 2017 Commission meeting, funds were approved to establish a lease with Mobile Modular. SVCW staff and the design-build teams took occupancy of the leased facilities on December 1, 2017.

DISCUSSION

The duration of RESCU projects is estimated at five years, until late 2022/early 2023. The five year cost for leasing these trailer facilities from Mobile Modular is \$649,100. Mobile Modular has provided a quote for SVCW to purchase the units for the amount of \$489,903, which represents a significant reduction from the ultimate lease cost. SVCW staff performed a payback analysis which indicates that, at the end of year three the cost of the trailer lease exceeds the cost of purchase. Additionally, it is anticipated that SVCW will sell these units at the end of five years and realize additional savings. Staff recommends purchase of the trailers in lieu of continued leasing in order to save costs.

FINANCIAL IMPACTS

The scope represented by this work will be funded from four projects: Gravity Pipeline project (CIP #6008), which has an allocated budget in the 2017 CIP Update of \$232M, Receiving Lift Station (CIP #6013) with an allocated budget of \$53M Headworks (CIP #9160) with an allocated budget of \$45M, and Influent Connector Pipe (CIP #6014) with an allocated budget of \$9.5M. To date, approximately \$12.5 million has been expended from the four projects. The total amount for the actions in this agenda item is \$489,903.

RECOMMENDATION

Move approval:

(i) Move to SUSPEND COMPETITIVE BIDDING FOR PURCHASE OF MOBILE OFFICE FACILITIES FOR THE RESCU PROJECT AT A SIGNIFICANT COST SAVINGS ON THE GROUNDS THAT IT WOULD NOT SERVE THE PUBLIC INTEREST (5/7th weighted vote required)

(ii) Move adoption of RESOLUTION APPROVING PURCHASE OF MOBILE OFFICE FACILITIES FOR THE RESCU PROJECT; ACCEPTING QUOTE FROM MOBILE MODULAR MANAGEMENT IN THE AMOUNT OF \$489,903; AUTHORIZING EXECUTION OF PURCHASE AGREEMENT, AND AUTHORIZING USE OF FUNDS FROM THE GRAVITY PIPELINE (CIP #6008), RECEIVING LIFT STATION (CIP #6013), HEADWORKS (CIP #9160) AND INFLUENT CONNECTOR PIPE (CIP #6014) PROJECTS – (MOBILE MODULAR MANAGEMENT)