

**COMMISSION OF SILICON VALLEY CLEAN WATER
JOINT POWERS AUTHORITY
REGULAR MEETING – Monday, December 12, 2022
8:00 a.m.**

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

Consistent with Government Code Section 54953, this meeting will be held both in person and virtually. See page 7 of this agenda for virtual meeting access information and instructions.

COMMISSIONERS

COUNCIL MEMBER ALICIA AGUIRRE, REDWOOD CITY – CHAIR
BOARD MEMBER GEORGE OTTE, WEST BAY SANITARY DISTRICT – VICE CHAIR
COUNCIL MEMBER WARREN LIEBERMAN, BELMONT – SECRETARY
COUNCIL MEMBER RON COLLINS, SAN CARLOS – MEMBER

MANAGER: TERESA A. HERRERA

ATTORNEY FOR THE AUTHORITY: CHRISTINE C. FITZGERALD

CONTROLLER: MICHELLE P. FLAHERTY

TREASURER: MATTHEW ANDERSON

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, 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.....pg. 9
- B. Manager's Report
 - 1. Upcoming Commission Actions.....pg. 11
 - 2. Laboratory ELAP Accreditation Status.....pg. 13
- C. Financial Report
 - 1. Investment Report.....pg. 16
- D. Engineering Capital Projects Report.....pg. 20
- E. Commission Requested Staff-Level Action Items..... pg. 23
- F. RESCU Program Design-Build Project Status Update..... pg. 26

6. MATTERS OF COMMISSION MEMBER'S INTEREST

- A. Warren Lieberman Appreciation
- B. Appoint New Commission Secretary

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR (begins pg. 34)

8. BUSINESS ITEMS

- A. CONSIDERATION OF RESOLUTION AND MOTION AWARDING CONSTRUCTION CONTRACT AND APPROVING ENGINEERING SERVICES DURING CONSTRUCTION TASK ORDER FOR RAS PIPELINE REHABILITATION PROJECT (CIP #9120) (pg. 55)

Proposed Action:

- i. Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR RAS PIPELINE REHABILITATION PROJECT (CIP #9120); ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER; REJECTING ALL OTHER BIDS; AUTHORIZING EXECUTION OF AGREEMENT AND DIRECTING RETURN OF SECURITY DEPOSITS AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT – TRINET CONSTRUCTION, INC. (\$5,902,660)
- ii. Move approval of TASK ORDER FOR ENGINEERING SERVICES DURING CONSTRUCTION FOR RAS PIPELINE REHABILITATION PROJECT (CIP #9120) IN AN AMOUNT NOT TO EXCEED \$280,100 AND AUTHORIZE MANAGER TO APPROVE UP TO A TEN PERCENT

CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS –
KENNEDY JENKS.

- B. CONSIDERATION OF MOTIONS APPROVING BUDGET CONTINGENCY ADJUSTMENTS TO RESCU PROJECTS (CIP #S 6008, 9500, 9501, AND 9502) (pg. 60)

Proposed Action:

- i. Move approval of INCREASE IN RESCU PROGRAM MANAGEMENT PROJECT CONTINGENCY FROM \$ 15,303,048 TO \$ 15,903,048. (CIP #9500)
- ii. Move approval of INCREASE IN PUMP STATIONS IMPROVEMENTS PROJECT CONTINGENCY FROM \$132,289,099 TO \$133,589,099. (CIP #9501)
- iii. Move approval of INCREASE IN FRONT OF PLANT PROJECT CONTINGENCY FROM \$162,209,435 TO \$168,709,435. (CIP #9502)

- C. CONSIDERATION OF RESOLUTIONS ESTABLISHING JOB TITLE FOR THE POSITION OF LABORATORY QUALITY ASSURANCE OFFICER (pg. 63)

Proposed Actions:

- i. Move adoption of RESOLUTION ESTABLISHING RATES OF PAY FOR PROFESSIONAL EMPLOYEES OF SILICON VALLEY CLEAN WATER AND RESCINDING AND RESTATING CERTAIN PROVISIONS OF RESOLUTION NO. SVCW 22-26 AND RESCINDING ANY AND ALL OTHER RESOLUTIONS OR PROVISIONS THEREOF IN CONFLICT HEREWITH
- ii. Move adoption of RESOLUTION AMENDING SECTION 6 OF RESOLUTION NO. SVCW 77-6, THE SVCW PERSONNEL RESOLUTION, RELATED TO CLASSIFICATION OF POSITIONS AND RESCINDING RESOLUTION NO. SVCW 22-27 AND ANY AND ALL OTHER RESOLUTIONS OR PROVISIONS THEREOF IN CONFLICT HEREWITH
- iii. Move adoption of RESOLUTION APPROVING UPDATED CONSOLIDATED PAY SCHEDULE FOR ALL REPRESENTED AND UNREPRESENTED EMPLOYEES OF SILICON VALLEY CLEAN WATER FOR FISCAL YEAR 2022-2023 AND RESCINDING RESOLUTION NO. SVCW 22-28

- D. CONSIDERATION OF RESOLUTION APPROVING CONTRACT CHANGE ORDER TO THE FRONT OF PLANT (FOP) DESIGN-BUILD AGREEMENT

WITH SHEA PARSONS JOINT VENTURE (SPJV) FOR SCHEDULE
EXTENSION COSTS (pg. 69)

Proposed Action:

Move adoption of RESOLUTION AUTHORIZING THE SILICON VALLEY
CLEAN WATER MANAGER TO APPROVE CONTRACT CHANGE ORDER
FOR THE FRONT OF PLANT PROJECT IN AN AMOUNT NOT TO EXCEED
\$1,714,780

E. CONSIDERATION OF RESOLUTION APPROVING SVCW COMMISSION
MEETING SCHEDULE FOR CALENDAR YEAR 2023 (pg. 72)

Proposed Action:

Move adoption of RESOLUTION ESTABLISHING AND ADOPTING
COMMISSION'S REGULAR MEETING SCHEDULE FOR CALENDAR YEAR
2023

9. CLOSED SESSION

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

AGENCY NEGOTIATORS: Teresa Herrera, Manager
Matt Anderson, CFO/Asst Manager
Jennifer Flick, Human Resources Director
Monte Hamamoto, Chief Operating Officer
Charles Flesher, IEDA

EMPLOYEE ORGANIZATION: IUOE LOCAL 39

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 voice 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 – November 14, 2022 - Regular Meeting (pg. 34)

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED OCTOBER 19 – NOVEMBER 28, 2022, AND NECESSARY PAYMENTS THROUGH NOVEMBER 28, 2022 (pg. 40)

C. CONSIDERATION OF RESOLUTION APPROVING REMOTE COMMISSION MEETINGS UNDER GOVERNMENT CODE SECTION 54953 OF THE BROWN ACT DURING EMERGENCY CONDITIONS (pg. 42)

Proposed Action:

Move adoption of RESOLUTION MAKING FINDINGS AND DETERMINATIONS AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE COMMISSION OF SILICON VALLEY CLEAN WATER UNDER GOVERNMENT CODE SECTION 54953 OF THE BROWN ACT DURING EXISTENCE OF STATE OF EMERGENCY CONDITIONS RELATED TO THE COVID-19 PANDEMIC

D. CONSIDERATION OF MOTION APPROVING FINAL ACCEPTANCE AND AUTHORIZATION TO FILE NOTICE OF COMPLETION FOR THE PRIMARY CHANNELS REHABILITATION AND HATCH REPLACEMENT PROJECT (CIP #9241) (pg. 45)

Proposed Action:

Move approval to ACCEPT PRIMARY CHANNELS REHABILITATION AND HATCH REPLACEMENT PROJECT (CIP # 9241) AND AUTHORIZE FILING NOTICE OF COMPLETION – ERS INDUSTRIAL SERVICES, INC.

E. CONSIDERATION OF MOTION APPROVING PLANNING TASK ORDER SCOPE AND BUDGET FOR BURIED AND EXPOSED PROCESS PIPE REPAIR (pg. 49)

Proposed Action:

Move approval of TASK ORDER SCOPE OF WORK AND BUDGET FOR PLANNING SERVICES FOR THE BURIED AND EXPOSED PROCESS PIPING REPAIR (CIP #9600) IN AN AMOUNT NOT TO EXCEED \$607,033 AND

AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL

- F. CONSIDERATION OF RESOLUTION AND MOTION ACCEPTING REPAIRS TO THE DUAL MEDIA FILTER PIPE AND TERMINATION OF EMERGENCY CONDITION (pg. 52)
- i. Move adoption of RESOLUTION TERMINATING THE SUSPENSION OF COMPETITIVE BIDDING REQUIREMENTS CONFERRED BY RESOLUTION NO. 22-35 AND THE CORRESPONDING MANAGER AUTHORITY AND APPROVAL OF EXPEDITURES UP TO \$300,000 (DUAL MEDIA FILTER PIPE LEAK REPAIR – Project #359)
 - ii. Move approval of MOTION TO ACCEPT DUAL MEDIA FILTER PIPE LEAK REPAIR PROJECT (Project #359) – POWER ENGINEERING CONTRACTORS

Microsoft Teams Access Information
Silicon Valley Clean Water
Regular Meeting
Monday, December 12, 2022

WEBSITE: [Link to access meeting](#)

MEETING ID: 247 342 037 506 **PASSWORD:** XbReZc

CALL IN PHONE NUMBER: +1 747-216-0281

Phone Conference ID: 809 365 920#

You may log in via URL located on SVCW's website at <https://svcw.org/about/governance/commission-meetings>. You may view video during the meeting via live stream. An audio will be available after the meeting at SVCW's website. If you experience technical difficulties or have technical questions prior to or during the meeting, please contact Teams meeting support at 707-862-0859. Note: Public participation is not permitted during closed session discussion items.

Public Comment

Public comment may be made by joining the meeting using the link or phone number above. Members of the public may provide public comments via the Teams platform by using the "raise hand" feature or, if calling in by phone, by unmuting and beginning to speak. In response to a "raised hand", SVCW will unmute the member of public and allow them to speak. In response to a phone request to speak, SVCW will ask what is the nature of the comment and will provide directions to follow to provide comment. Public comments will be limited to three minutes.

Public comment may also be made by emailing comments to commission@svcw.org up to two hours prior to the scheduled meeting time. Indicate in your email the agenda item to which your comment applies. If you have anything that you wish distributed to the Commission and included for the official record, please include it in your email.

Accessibility for Individuals with Disabilities

Upon request, SVCW will provide for access to individuals with disabilities to fully engage in the meeting process. Joining the meeting via the teleconference instructions above will provide access to open captioning. For other accommodations, please email your request to commission@svcw.org or call 650-591-7121 at least four (4) days prior to the scheduled meeting time. Requests will be granted whenever possible and resolved in favor of accessibility.

Subject to Change:

Given the current public health emergency and the rapidly evolving federal, state, and local orders, the format of this meeting may change or the meeting may be canceled. You may check on the status of the meeting by visiting SVCW's website www.svcw.org.

AGENDA ITEM 5A



The graphic is titled "Top 10 Holiday Safety Tips" in a large, bold, white font on a green background. To the left of the title is an illustration of a lit green candle and a battery. To the right are the ESFi and NFPA logos. The tips are numbered 1 through 10, each with a brief description and an accompanying illustration. The illustrations include: 1. A magnifying glass over a light bulb. 2. A power outlet with multiple plugs and a red 'X'. 3. A string of lights. 4. A Christmas tree with a watering can. 5. A lit candle and a battery. 6. A fireplace with a red 'X' over it. 7. A window with a red 'X' over it. 8. A star-shaped light decoration. 9. A stove with a red 'X' over it. 10. A door with a red 'X' over it.

Top 10 Holiday Safety Tips

1. Inspect electrical decorations for damage before use.
Cracked or damaged sockets, loose or bare wires, and loose connections may cause a serious shock or start a fire.

2. Do not overload electrical outlets.
Overloaded electrical outlets and faulty wires are a common cause of holiday fires. Avoid overloading outlets and plug only one high-wattage appliance into each outlet at a time.

3. Never connect more than three strings of incandescent lights.
More than three strands may not only blow a fuse, but can also cause a fire.

4. Keep tree fresh by watering daily.
Dry trees are a serious fire hazard.

5. Use battery-operated candles.
Candles start almost half of home decoration fires (NFPA).

6. Keep combustibles at least three feet from heat sources.
A heat source that was too close to the decoration was a factor in half of home fires that began with decorations. (NFPA).

7. Protect cords from damage.
To avoid shock or fire hazards, cords should never be pinched by furniture, forced into small spaces such as doors or windows, placed under rugs, located near heat sources, or attached by nails or staples.

8. Check decorations for certification label.
Decorations not bearing a label from an Independent testing laboratory such as Underwriters Laboratories (UL), Canadian Standards Association (CSA) or Intertek (ETL) have not been tested for safety and could be hazardous.

9. Stay in the kitchen when something is cooking.
Unattended cooking equipment is the leading cause of home cooking fires (NFPA).

10. Turn off, unplug, and extinguish all decorations when going to sleep or leaving the house.
Unattended candles are the cause of one in five home candle fires. Half of home fire deaths occur between the hours of 11:00 p.m. and 7:00 a.m. (NFPA)

AGENDA ITEM 5B1

Recurring and Upcoming 2022 Commission Actions
Updated for December 2022 Meeting

January	February	March	April
<ul style="list-style-type: none"> Review Investment Policy CIP Update (annual or biennial) Long Range Financial Plan 	<ul style="list-style-type: none"> Recycled Water Planning Organic Co-Digestion Update 	<ul style="list-style-type: none"> Budget Workshop 	<ul style="list-style-type: none"> Operating Budget Approval
May	June	July	August
<ul style="list-style-type: none"> Initiate Manager Performance Evaluation Receive Q1 Investment Summary 	<ul style="list-style-type: none"> Approve Resolution 77-6 "Personnel Resolution" Perform Manager Evaluation Review Reserve Funds Policy 	<ul style="list-style-type: none"> Nominate Commission Chair & Vice Chair; Appoint Secretary 	<ul style="list-style-type: none"> Consider Meeting Cancellation
September	October	November	December
<ul style="list-style-type: none"> Review Debt Management Policy Investment Program Status Annual Update 	<ul style="list-style-type: none"> Conflict of Interest Update (Biennial; even numbered years) Review Debt Mgmt Policy 	<ul style="list-style-type: none"> Audited Financial Report 	<ul style="list-style-type: none"> Commission Meeting schedule for following year Dr. Lieberman Appreciation Appoint Secretary

-  - Recurring Commission Actions
-  - Upcoming Commission Actions

AGENDA ITEM 5B2



To: SVCW Commission

From: Teresa Herrera, SVCW Manager

Subject: SVCW Laboratory ELAP Accreditation Status

I asked our Laboratory staff to provide a high-level description and summary of activities related to new laboratory ELAP TNI requirements. The summary provided herein was written by SVCW's Senior Laboratory Analyst, Tiffany Ishaya. This memo provides background information in support of Item 8C on the Commission's agenda.

Background

The NELAC Institute (TNI) is a non-profit organization that was created to develop consensus national standards for environmental laboratory accreditation. TNI developed a standard that covers not only laboratories' analytical methods but also establishes more stringent requirements for many laboratory documentation practices and activities including the quality of equipment and supplies they use, and the training of laboratory staff. The TNI Standard is a 180-page document that contains over 500 requirements that our lab must comply with. The SVCW Laboratory Management Team (Bob, Maria, and Tiffany) has been working towards implementing the new standard since 2020 with the assistance of Diane Lawver who has environmental testing and TNI Standard implementation experience.

SVCW Laboratory is accredited by the California Environmental Laboratory Accreditation Program (CA-ELAP). In May of 2020, California's State Water Resources Control Board passed new regulations requiring labs overseen by CA-ELAP to implement the 2016 TNI Standard minus 2 by the end of the year their certificate expires after 2023. More than 650 laboratories in California are affected by this change. This means that by the end of 2023, SVCW Laboratory must implement the 2016 TNI Standard minus 2. The minus 2 refers to two requirements in the TNI Standard that were altered regarding management requirements and frequency of performance tests. To become CA-ELAP certified for the TNI Standard, a laboratory must submit an on-site assessment report, approved corrective action report, and performance test reports with acceptable results to their assessor.

Discussion

Labs with sophisticated technology must hire third party assessors to perform assessments of all their accredited methods. Because our optical emission spectrometer (ICP-OES) is considered sophisticated technology, we hired International Accreditation Service as our third-party assessor to perform our pre-assessment and on-site assessment.

Memo to SVCW Commission

SVCW Laboratory ELAP Accreditation Status

December 12, 2022

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The pre-assessment is not a requirement for CA-ELAP accreditation. SVCW Lab has opted to perform a pre-assessment as an additional tool to help us gauge our preparedness to implement the new TNI Standard into our laboratory. Any findings that come from the pre-assessment do not require a corrective action response and will be used by us as a guide for our on-site assessment.

After the on-site assessment, the assessor will provide a list of findings to which we will have 30 days to respond with corrective actions. Once all corrective actions are approved and requirements are met, we will be granted accreditation with CA-ELAP. Two examples of findings that other labs have been given in the past are: 1) purchased solutions did not contain the date of receipt on the container and 2) sample receiving records did not include the thermometer ID used to take the temperature. It is expected to receive many findings when assessed as there are many requirements. Our lab will then respond to the findings with corrective actions demonstrating that we are complying with the new TNI Standard requirements.

As mentioned above, we have been working towards the goal to comply with the TNI Standard for the past several years. TNI, CA-ELAP, and CWEA have offered many training opportunities since 2016 that our lab has attended to familiarize ourselves with the new standard. Based on the training and recommendations of other certified labs, we began working on a quality manual that describes the quality management system. The quality management system includes procedures, policies, expectations, objectives, TNI requirements, and principles that are followed by the laboratory. Each month we work on different sections of the quality manual with Diane Lawver and use the manual as a guide to make changes in our lab to comply with the TNI Standard requirements. We are also working on updating our accredited method Standard Operating Procedures ("SOPs") to meet the new standards requirements. We currently have 21 certified method SOPs in total and 13 of these SOPs comply with the TNI Standard. Our pre-assessment was held on Tuesday, October 25th and our on-site assessment date is TBD but expected in March 2023. Results from the pre-assessment have not yet been received.

AGENDA ITEM 5C

Silicon Valley Clean Water Authority
Cash & Investments Summary Report
October 31, 2022

Description	Market Value	% of Total Holdings	Yield
<u>Reserve Accounts</u>			
Operating Reserve* - Securities	\$ 3,582,203	2.31%	1.32%
Operating Reserve - Money Market Fund Balance	137,907	0.09%	1.27%
CIP Reserve* - Securities	17,988,184	11.59%	1.89%
CIP Reserve - Money Market Fund Balance	1,224,971	0.79%	1.27%
Stage 2 Capacity Reserve* - Securities	13,207,823	8.51%	1.79%
Stage 2 Capacity Reserve - Money Market Fund Balance	415,007	0.27%	1.27%
Total Market Value: Operating and Reserve Accounts	\$ 36,556,094	23.6%	1.77%
Total Accrued Interest: Operating and Reserve Accounts	146,307		
GRAND TOTAL, RESERVE ACCOUNTS	\$ 36,702,401		
<u>Trustee Accounts:</u>			
2018 Bond Project Fund Account - CAMP	\$ 6,910,988	4.45%	3.14%
2018 Bond Revenue Account	1,426	0.00%	2.63%
2019A Notes WIFIA - Money Market Fund	1,588,072	1.02%	2.63%
2019A Notes Capitalized Interest Account - Money Market Fund	11,215	0.01%	2.63%
2019A Notes Capitalized Interest Account* - Securities	9,139,355	5.89%	2.54%
2021 Refunding Bonds Revenue Account	2,100	0.00%	2.63%
2021A Notes (RESCU) - Money Market Fund	699	0.00%	2.63%
2021A Notes (RESCU) - LAIF**	31,095,252	20.04%	1.77%
2021B Notes (WWTP) - Money Market Fund	13,741,186	8.85%	2.63%
2021B Notes (WWTP)* - Securities	27,332,413	17.61%	1.75%
2021B Notes (WWTP) - LAIF**	22,461,880	14.47%	1.77%
2021 Notes Capitalized Interest Account - Money Market Fund	1,559,192	1.00%	2.63%
Total Market Value, Trustee Accounts	\$ 113,843,779	73.36%	2.04%
Accrued Interest:	586,059		
Operating Cash (includes outstanding checks)	4,577,076	2.95%	0.00%
Local Agency Investment Funds (LAIF) Balance	211,828	0.14%	1.77%
Total Cash & Investments	\$ 155,921,143	100.00%	1.91%



Matthew P Anderson
Chief Financial Officer / Assistant Manager

11/10/2022

Date

* Monthly report of security transactions and interest available upon request

**Market value of LAIF based on Fair Value factor as of 6/30/2022 (most available)

Silicon Valley Clean Water
Operating and Reserve Funds - Sector Allocation & Compliance October 31, 2022

Security Type	Operating Reserve	CIP Reserve	Capacity Reserve	Total Market Value	% of Total Portfolio	% Allowed by Policy	In Compliance	% Change vs. Prior Month
U.S. Treasury	\$ 1,843,102	\$ 7,633,418	\$ 5,551,297	\$ 15,027,816	41%	100%	✓	0.1%
Supranationals	340,691	-	-	340,691	1%	15%	✓	0.1%
Federal Agency/GSE	627,299	1,067,512	746,749	2,441,559	7%	100%	✓	0.1%
Federal Agency/CMBS	-	1,127,505	802,529	1,930,034	5%	100%	✓	0.1%
Federal Agency CMO	-	657,062	512,540	1,169,602	3%	100%	✓	(0.5%)
Federal Agency MBS	-	2,137,720	1,555,948	3,693,668	10%	100%	✓	(0.8%)
Municipal	-	820,700	664,576	1,485,275	4%	30%	✓	(0.1%)
Corporate Notes	481,579	4,012,708	2,970,726	7,465,013	20%	30%	✓	(0.8%)
Asset-Backed Securities	289,533	531,560	403,459	1,224,552	3%	10%	✓	(0.4%)
Securities Sub-Total	3,582,203	17,988,184	13,207,823	34,778,210	95%			
Accrued Interest	7,434	80,699	58,173	146,307				
Securities Total	3,589,637	18,068,883	13,265,996	34,924,516				
Money Market Fund	137,907	1,224,971	415,007	1,777,884	5%	20%	✓	1.1%
Total Investments	\$ 3,727,544	\$ 19,293,854	\$ 13,681,003	\$ 36,702,401	100%			
<i>As % of 6/30/22 Target:</i>	<i>92.7%</i>	<i>85.0%</i>	<i>100.0%</i>	<i>90.9%</i>				

This report contains financial information which has not been reviewed or audited by an independent auditor, does not reflect the application of generally accepted accounting principles in all instances and is subject to future revision. This report has not been prepared with a view to informing an investment decision in any of the Authority's bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in this report are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of the Authority's bonds, notes or other obligations and investors and potential investors should rely only on information filed by the Authority on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and website, maintained at <https://emma.msrb.org>

- 1. All operating fund accounts are in compliance with SVCW's Investment Policy, and all bond proceeds accounts are in compliance with the relevant bond documents.*
- 2. SVCW has adequate funding levels for more than six months of operations and claim payments, as referenced in CA Code Section 53646.*
- 3. Market valuations for the Operating and Reserve accounts along with the 2018 bond, 2019A note, 2021 bond, 2021A and 2021B notes proceeds accounts are provided by PFM Asset Management LLC (PFM). Generally, PFM's market prices are derived from closing bid prices as of the last business day of the month as supplied by ICE Data Services or Bloomberg. Where prices are not available from generally recognized sources the securities are priced using a yield-based matrix system to arrive at an estimated market value. Prices that fall between data points are interpolated. Non-negotiable FDIC-insured bank certificates of deposit are priced at par. Although PFM believes the prices to be reliable, the values of the securities do not always represent the prices at which the securities could have been bought or sold.*
- 4. In accordance with Generally Accepted Accounting Principles (GAAP), month-end holdings and information are reported on a trade date basis.*
- 5. The yields shown for securities portions of the operating and reserve accounts and the 2019A and 2021A&B notes proceeds accounts are the yields to maturity at cost.*
- 6. The yield for LAIF is the average monthly effective yield. Source: https://www.treasurer.ca.gov/pmia-laif/historical/avg_mn_ylds.asp*
- 7. The yields shown for the PFM-managed money market funds are the Yield to Maturity at Cost, and the Yield to Maturity at Market sourced from the respective fund providers' statements. Yields for BNY-managed funds are Market Yields sourced from the respective fund providers' statements.*
- 8. Yield shown for CAMP is the monthly distribution yield.*

AGENDA ITEM 5D

**ENGINEERING REPORT: NOVEMBER 2022
CAPITAL IMPROVEMENT PROGRAM****UPCOMING COMMISSION ACTIONS:**

RESCU Program (6008, 9501, 9502): Design and construct conveyance system improvements.

SVCW awarded progressive design build contracts to Barnard Bessac Joint Venture for the Gravity Pipeline (GP) Project and Shea Parsons Joint Venture for the Front of Plant (FoP) and Pump Stations Improvements (PSI) Projects. SVCW staff and consultant project team are intricately involved in all stages of work.

Construction on the GP project is complete, while construction continues on the PSI and FoP projects. Acceptance of the GP project will occur concurrently with acceptance testing of the FoP project. The FoP and PSI Projects are expected to be completed in late 2023. Refer to Commission Item 5F for status updates.

Recent risk register updates indicate additional contingency will be needed to complete the program. This contingency will be allocated across the projects. A recommendation for increased budget to meet these contingency needs will be presented at the December commission meeting.

Planned Commission Actions: Approve Budget Adjustments – December 2022

Return Activated Sludge (RAS) & Waste Activated Sludge (WAS) Pipeline Rehabilitation (9120): Rehabilitation of RAS/WAS pipeline.

The RAS/WAS pipes, connecting the secondary clarifiers to the RAS and WAS pumps in the pump room, are steel pipes with cement mortar lining and were constructed more than 40 years ago. Various condition assessment reports conducted indicate that these pipes have undergone significant corrosion and have lost significant pipe wall thickness. Project was bid on October 20, 2022 and bids due on December 1, 2022.

Planned Commission Actions: Award Construction Contract – December 2022

Primary Channels Rehabilitation and Hatch Replacement (9241): Re-coating concrete surfaces and replacing deck hatches.

Recoating concrete surfaces in Primary Sedimentation Tanks 3 and 4, in Primary Influent Channel, and Primary Effluent Channel. Work needed to ensure continued treatment in other tanks and channels. Hatches on the deck above the tanks are aluminum and significant corrosion was visible; the hatches were replaced with FRP (fiberglass reinforced plastic) hatches. Due to the extreme storm event on October 24, 2021 that presented the potential for flooding due to constricted flow, in turn

posing significant risk to the facilities and permit compliance, the contractor was asked to remove a channel bypass and the project was placed on hold until the dry season of 2022. Construction resumed this year, and the remaining work is complete.

Planned Commission Actions: Accept Construction Project – December 2022

Buried and Exposed Pipe Rehabilitation (9600): Rehabilitation of buried and exposed pipeline.

Most of the piping systems that connect processes are welded steel and buried underground or encased on concrete, vulnerable to decay from corrosion over time. Pipe sizes go up to 84-inches in diameter. Some of the plant piping systems are being renovated in recent years through capital projects, however, there are still many underground pipe segments that are expected to be in need of inspection, repair or rehabilitation. To minimize unexpected pipe failures in the future, staff would like to establish a pipe renovation program, where condition of exposed, buried, and concrete encased process pipes will be assessed, appropriate repairment, rehabilitation, or replacement (RRR) approaches will be chosen based on best value, prioritized, and budgeted to be renovated in a phased approach.

Planned Commission Actions: Approve Task Order for Condition Assessment – December 2022

ONGOING PROJECTS IN CONSTRUCTION:

Digester #1 Rehabilitation (9215): Rehabilitation of Digester #1.

This project includes repair of coatings and structural elements in Digester #1. The construction of the project is underway and is expected to be completed by 2023.

BioforceTech Improvements (9231): Biodryer and Pyrolysis Facility improvements.

Work involves replacing feed conveyor system to be followed by co-operation of the entire facility.

SAF-MBR (9236): Pilot testing new treatment systems in conjunction with Stanford University

System is operational with particular equipment being tested. Additional equipment is being procured to further test different scenarios of treatment.

AGENDA ITEM 5E

**Silicon Valley Clean Water
Commissioners' Requested Action Items**

**DECEMBER 12, 2022
AGENDA ITEM 5E**

Updated: 12/02/2022

Commission Meeting Date		Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
11/14/2022		No Action Items						
10/10/2022	1	Remote Meetings	11/14/2022			✓	11/2/2022	Add 30-day remote meeting per AB361 to November agenda
	2	Hybrid Meetings	N/A		✓			Investigate how to show both attendees while showing powerpoint presentations for hybrid meeting attendance
	3	RESCU Report	N/A			✓	11/7/2022	Change RESCU monthly report to clarify "Project Chagnes" are complete w/amendments finalized.
8/8 & 9/12		Meetings Cancelled						
7/11/2022	1	State Water Resources Control Board - SVCW's COO Appointment to Certification Advisory Board	N/A			✓	7/11/2022	Provide talking points for Commissioners' use re: Monte Hamamoto's appointment to the Certification Board
	2	SAF-MBR	N/A		✓			Have Stanford lead person provide Commissioners a presentation on SAF-MBR
	3	Potable Reuse	N/A			✓	7/11/2022	Provide talking points for Commissioners' use re: SVCW potable water reuse activities
6/13/2022	1	No Action Items						
5/9/2022	1	No Action Items						
4/11/2022	1	CWEA State Employee Awards	N/A			✓	4/26/2022	Send letters of commendation and slide showing names to Commissioners to enable them to share with respective Councils.
	2	Commission Meetings: in person and hybrid	5/9/2022			✓	6/13/2022	Determine capability to offer hybrid (both onsite & remote access). June meeting held in person and remote.
3/14/2022	1	CWEA State Employee Awards	4/11/2022			✓	4/11/2022	Ask winners of State CWEA awards to attend and be recognized by Commission
	2	Remote Meetings	April or May			✓	4/11/2022	Determine when to return to onsite meetings. Met in person for June 2022 meeting.
2/14/2022	1	Recycled Water	N/A			✓	5/31/2022	BAWSCA water system facilities tour May 31; one spot available and Commissioner Collins attended tour

Silicon Valley Clean Water
Commissioners' Requested Action Items

DECEMBER 12, 2022
AGENDA ITEM 5E

Updated: 12/02/2022

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
1/10/2022	1	Long-Range Financial Plan	prior to finalizing			✓	1/17/2022	Enhance discussion re: nominal savings and NPV savings as to reflect (positive) impact on fixed-income individuals. Enhance description of dips and increases on treatment unit costs (primarily dependent on flows/drought conditions). LRFP redistributed to member agency finance staff.
> One Year		8E - JPA Amendment; re-initiate "clean up" to JPA	N/A		✓			Make required and requested changes to the JPA a priority. Comments received; Manager has consolidated. Next step to present changes to Commission.
		Water Feature Development	N/A			✓	12/12/2022	Information to be presented to Commission December 12, 2022
		Project Changes/Commission Notification	N/A	✓			Ongoing	Ensure Commission is kept apprised of possible/potential project cost and/or schedule increases.
		1406 Radio Road Building	N/A		✓			Research and make recommendation related to historic registry restraints on what can/can't be done with buildings. On hold due to Covid-19. Historic marker applied Aug. 28, 2021.
		Pump Stations Improvements - Capital vs Life Cycle Costs	N/A		✓			Reducing pump stations from 5 to 2 have been reported to save long-term costs; provide analysis results to Commissioners.

AGENDA ITEM 5F

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 and Pump Stations includes four 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.

Available Budget

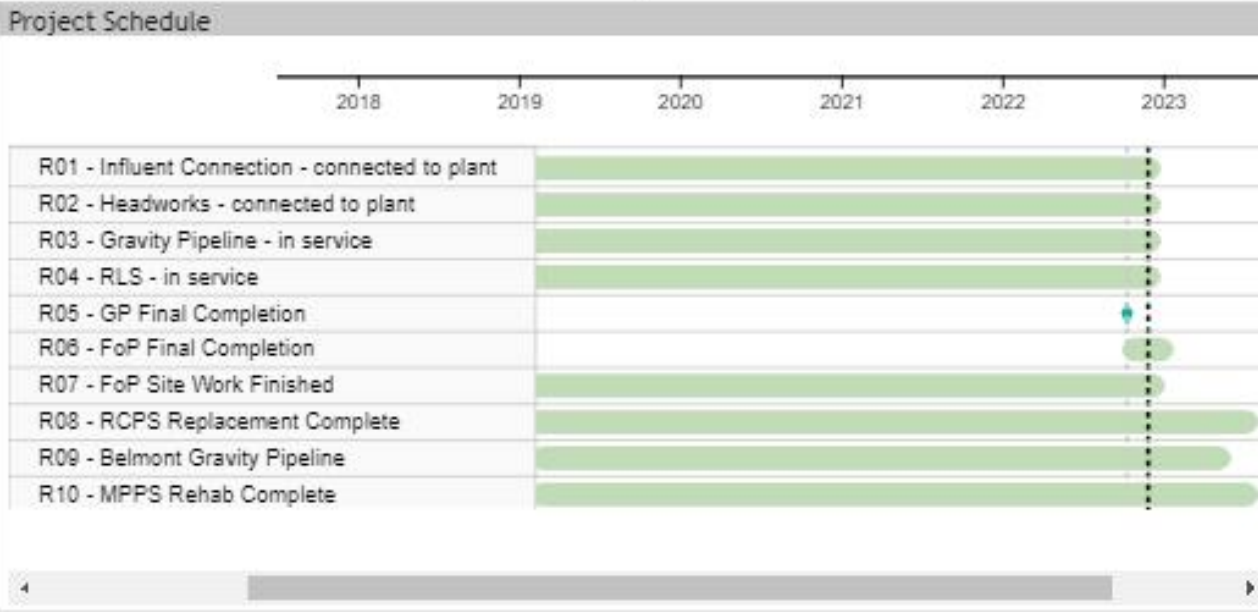
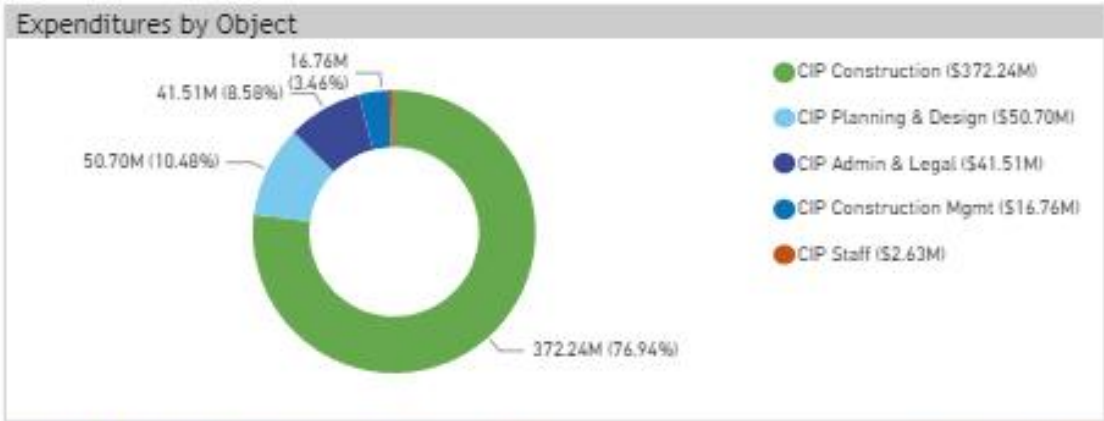
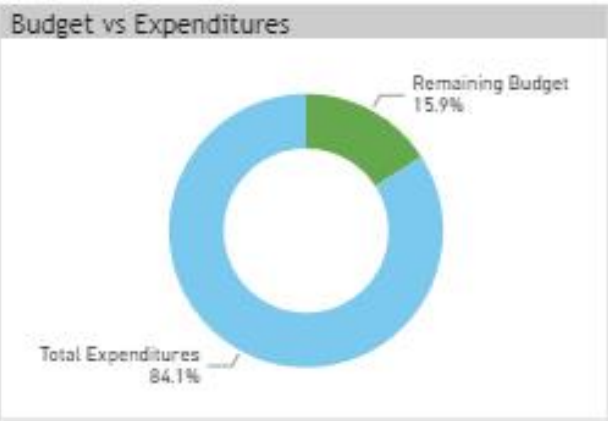
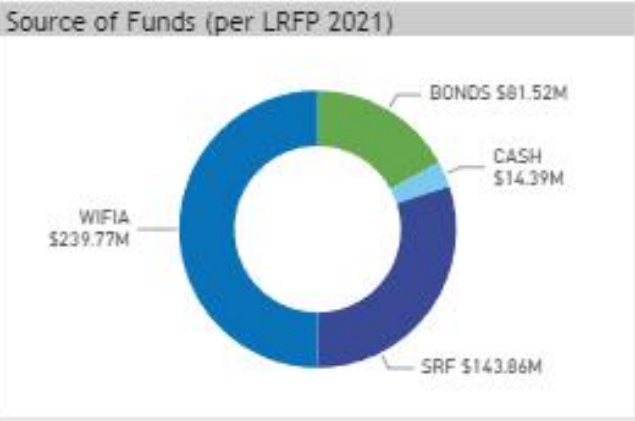
\$574.16M

Total Expenditure

\$482.87M

Remaining Budget

\$91.29M



NOTE: all information in this report are as of the end of previous month, except for the SPI data, which is one month behind all other information.

Front of Plant Progressive DB Project (CIP 9502)

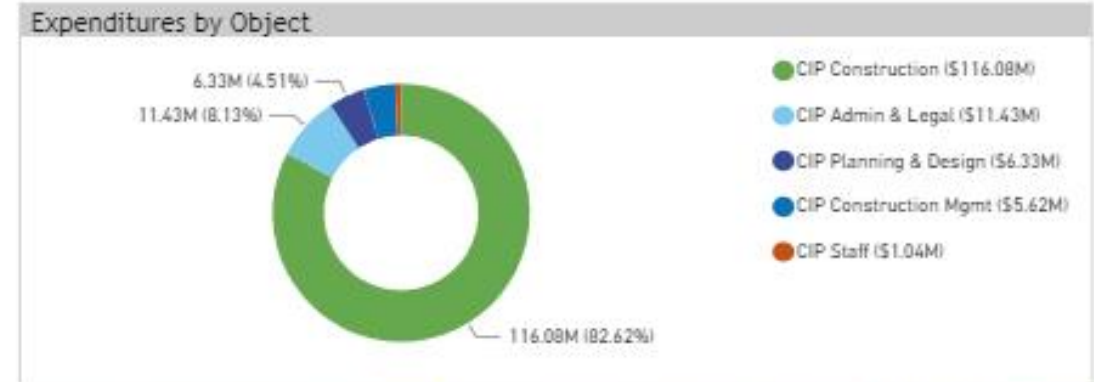
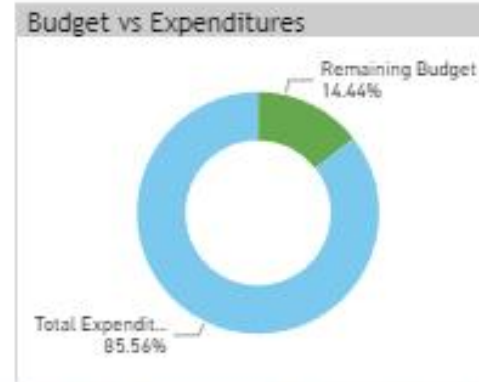
The Front of Plant (FoP) Project consists of the design, construction, permitting, start-up, commissioning, and final acceptance for the Receiving Lift Station (RLS), Surge and Flow Splitter (SFS), Headworks Facility, Odor Control System, Influent Connector Pipe, Emergency Overflow pipe to an existing storage basin and other related process support systems. Work is being implemented under a Progressive Design-Build procurement process in stages.

Available Budget
\$162.21M

Total Expenditure
\$138.79M

Remaining Budget
\$23.42M

	Start	Finish
Interconnection Pipe Completed	7/24/2020	4/13/2022
Headworks Facility Completed	12/6/2018	9/14/2022
SFS/RLS Completed	12/6/2018	7/1/2022
Substantial Completion		12/28/2022



Cost Performance Index (CPI)



Schedule Performance Index (SPI)



Major Accomplishments this Period

Construction	<p>-SPJV continued the installation of the 48" IPL Bypass. Various system outages were performed to install the new equipment. MMC installed conduit and connected pumps and switches to power and controls.</p> <p>-SPJV has been working throughout the Headworks Facility installing pipe identification labels and setting calibrations for instruments.</p> <p>-SPJV hydro tested manifold B inside the RLS and is working on hydro testing Manifold A along with all process piping there.</p> <p>-Ongoing storm drain and sanitary sewer scope of work includes excavation to subgrade, pipeline installation, catch basin installation, SFS shaft pipeline penetrations, and subsequent base rock and backfill placement.</p> <p>-Yard work has continued with the pour of the pole bases for lighting around the SFS. The lighting raceways were backfilled. The remaining scope includes installing a new gate and backfilling to grade.</p> <p>-Training is ongoing for SVCW's operation, mechanical, electrical, instrumentation, and control teams.</p> <p>-Startup is continuing for the headworks system. The grit pump, headcell, and ISCO sampler for Front of Plant were started up.</p>
Design	-Software acceptance testing was completed.
Procurement of Trade Packages	-SPJV is procuring grit pump Variable Frequency Drives (VFD's).

3 - Month Look Ahead

	Start	End	December	January	February
ILS Demolition and IPL Bypass	June 9, 2022	January 15, 2023	X	X	
Utilidor Installation (Seybert Lot Access Rd)	August 29, 2022	December 15, 2022	X		
SCPS Connecting Piping	August 5, 2022	June 9, 2023	X	X	X
Bair Island Connecting Piping	October 3, 2022	May 30, 2023	X	X	X
63" HDPE IPL Line Installation (Sta 7+65 to 9+05)	August 31, 2022	April 28, 2023	X	X	X
Start-Up and Commissioning	November 10, 2022	March 15, 2023	X	X	X
Final Site Improvements	November 28, 2022	September 11, 2023	X	X	X

Potential Issues

Additional cost due to changes to the temporary ILS bypass and procurement delays

Intrinsically Safe Relay Panel

Plant water pipeline size upgrade and related fixtures

Utilidor extension for piping

Approved Project Changes

3 Water and Utilidor Improvements

Bair Island and San Carlos Pump Station Pipe Connection Work - mechanical

Change order for odor control system

Credit for deletion of 48" bypass from 54" force main

Credit for the deletion of the chemical storage system

Electrical System

ILS Pipe Repair

New County/Local Sales Tax

Project Management past December 2021

Safety Spot Light

Lost Time	0
Near Misses	5
Recorded Losses	2

Gravity Pipeline Progressive DB Project (CIP 6008)

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 three shafts and will interface directly with the Front of Plant (FoP) Project at the Surge & Flow Shaft (SFS). Work is being implemented under a Progressive Design-Build procurement process.

Available Budget

\$264.36M

Total Expenditure

\$252.29M

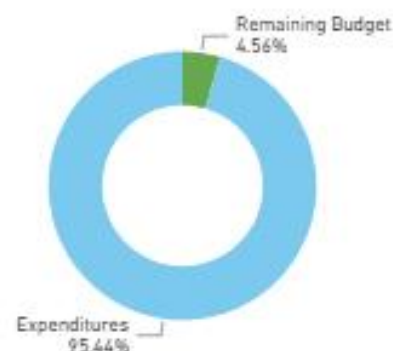
Remaining Budget

\$12.06M

Milestone Schedule

	Start	Finish
Conditional Substantial Completion		7/1/2022

Budget vs Expenditures



Expenditures by Object



Cost Performance Index (CPI)



Schedule Performance Index (SPI)



Construction	-BBJV completed backfill of the Airport Access Shaft. -BBJV completed site restoration at the AAS.
Design	-Gravity Pipeline design is complete.
Muck Disposal	-79% of Muck Disposal Amendment spent -21% of Muck Disposal Amendment remaining. Credit to be issued for remaining funds.
Procurement of Trade Packages	-Gravity Pipeline Trade Procurement is Complete.

Acceptance Testing and Final Completion Contract Extension

Additional Survey at Governors Bay
Bair Island Force Main Exposure and Additional Monitoring
Bair Island Weir Optimization
Exceedence of Muck Offhaul Allowance
New County/Local Sales Tax and US Tariffs
Redwood City Sales Tax Increase 2021
San Carlos Adit Ammonia Mitigation
San Carlos Shaft Ammonia Mitigation
SCPS Basement Connection
SFS Slurry Wall Hardness DSC
Soil Conditioner Leak at CPT Hole STA 171 + 80

Lost Time	1
Near Misses	4
Recorded Losses	5

Pump Stations (CIP 9501)

All SVCW pump stations require replacement or rehabilitation. Menlo Park PS will be rehabilitated. Redwood City PS will be replaced. Belmont PS will be replaced with a gravity pipeline. 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 MPPS and RCPS will flow through the new 48-inch force main to a drop structure at Inner Bair Island. RCPS pumps MPPS flows during wet weather events.

Available Budget

\$132.29M

Total Expenditure

\$80.29M

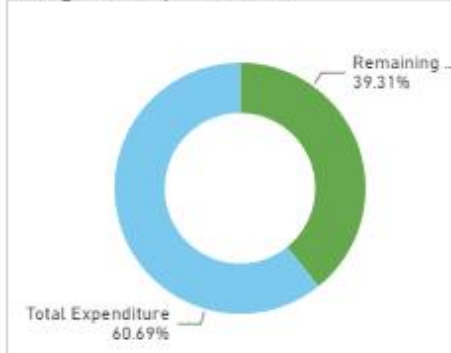
Remaining Budget

\$52.00M

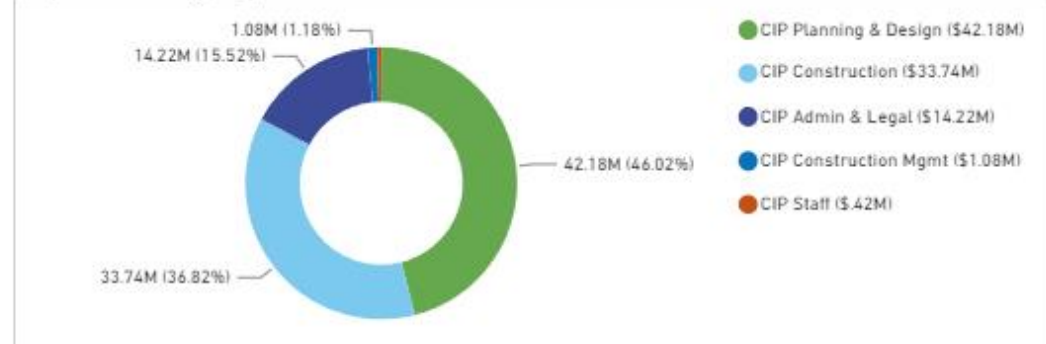
Milestone Schedule

	Start	Finish
BGP - Gravity Pipe Installed	5/15/2023	7/26/2023
MPPS - A-side Pumps Completed	10/13/2022	4/16/2023
MPPS - B-side Pumps Completed	3/15/2022	10/12/2022
RCPS - Electrical Building Completed	2/8/2021	2/14/2023
RCPS - PG&E Service Work	1/5/2023	1/18/2023
RCPS - Wet Well & Screening Building Completed	3/24/2023	4/7/2023
Substantial Completion - BGP		6/5/2023
Substantial Completion - MPPS		8/7/2023
Substantial Completion - RCPS		8/7/2023

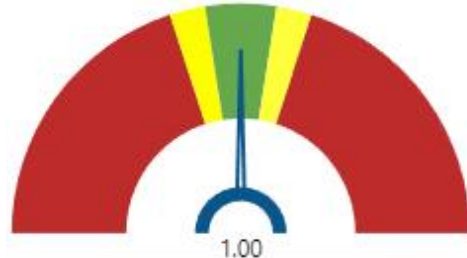
Budget vs Expenditures



Expenditures by Object



Cost Performance Index (CPI)



Schedule Performance Index (SPI)



Major Accomplishments this Period

Construction	<p>-BGP: JMB completed placement of the new HOBAS pipe inside the newly created open cut trench near RS-2. HOBAS has performed repairs with the damaged pipe. The JS-3 to RS-3 run is scheduled to begin the week of Nov 28th.</p> <p>-RCPS: SPJV completed exterior Screening Structure and Wet Well wall concrete pours. New MMC arrived on-site, installation is ongoing. Olson Steel completed their installation of the Screening Structure Roof Frame and Stairs. MMC continues with overhead conduit and conduit support installation in the Electrical Building and the Screening Structure/Wet Well.</p> <p>-MPPS: Existing A-Side pumps and motors #1 and #2 have been removed. A-Side pump #2 has been anchored in-place. Entry has been made into Wet Well A for existing coating removal, and to begin concrete repairs and coating. MMC continues with overhead conduit, conduit support, and lighting installation in the Electrical Room, Wet-Side, and Pump Station exterior.</p>
Design	<p>-RCPS: City of Redwood City has approved SPJV's proposal for the use of spiral wound PVC application for the rehabilitation of the existing 48-inch influent pipe. SPJV is also looking into CIPP as an alternative. SPJV is coordinating with the Redwood City Police Department to stage a crane for the placement of the new RCPS Generator.</p>

3 - Month Look Ahead

	Start	End	December	January	February
MPPS - A-side Wet Well and Pumps	October 14, 2022	December 21, 2022	X		
MPPS - Building/Roof Improvements	September 10, 2021	March 1, 2023	X	X	X
MPPS - Electrical Room Improvements	July 6, 2021	March 10, 2023	X	X	X
BGP - Microtunnel from JS3 to RS3	November 28, 2022	December 16, 2022	X		
BGP - Restoration of RS2	November 14, 2022	December 30, 2022	X		
BGP - Restoration of JS3	January 9, 2023	February 15, 2023		X	X
RCPS - Wet Well and Screening Building Structural Concrete	September 8, 2021	January 10, 2023	X	X	
RCPS - Mechanical - Wet Well and Screening Structure	October 27, 2022	April 7, 2023	X	X	X
RCPS - Electrical / I&C	August 31, 2022	April 5, 2023	X	X	X
RCPS - Junction Box	November 21, 2022	April 26, 2023	X	X	X
RCPS - Electrical Building & Restroom	February 8, 2021	February 14, 2023	X	X	X
RCPS - 36" MPPS Force Main and Valve Vaults	December 19, 2022	June 23, 2023	X	X	X
RCPS - Site Utilities	December 13, 2022	September 18, 2023	X	X	X
RCPS - Standby Generator	June 2, 2021	January 5, 2023	X	X	

Potential Issues

Additional costs due to paving thickness in City of San Carlos
 BGP Piping in San Carlos Pump Station
 Challenges from permitting and land acquisition conditions at RCPS
 Condition of Existing Redwood City 48-inch Influent Pipe
 Contract time extension
 MPPS and RCPS PG&E Related-Changes (Secondary Conductors)
 MPPS PG&E-Related Changes
 Redwood City 48-Inch Pipe Rehabilitation
 Redwood City 60-inch Pipe Installation/Connection

Approved Project Changes

Allowance Release, JS-4 Unforeseen Fiber Optic Utility Impacts
 Bair Island and San Carlos Pump Station Pipe Connection Work - electrical/instrumentation
 BGP Design Development
 Credit for installation of Segment 2 FM ARV/VRV, Monitoring Off Position, RCPS Standby Generator Cost Increase, RCPS CARVs, Credit for 12" Water Relocation and Calwater Costs
 Differing Site Conditions and MPPS Generator Warranty Release
 Segment 1 Force Main Junction Box Repairs
 Stage 2 Baseline Schedule Revision
 Traffic Control Changes Allowance Release

Safety Spot Light

Lost Time	0
Near Misses	0
Recorded Losses	0

AGENDA ITEM 7A

**MINUTES OF SILICON VALLEY CLEAN WATER
REGULAR MEETING – November 14, 2022
8:00 a.m.**

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

Members of the public and SVCW staff and consultants were also able to observe and participate remotely per instructions provided in the agenda.

ITEM 1

CALL TO ORDER

The meeting was called to order at 8:03 a.m.

ITEM 2

ROLL CALL - Commissioners Duly Appointed by Each Agency

Council Member Alicia Aguirre, Redwood City – Chair
Board Member George Otte, West Bay Sanitary District – Vice-Chair
Council Member Warren Lieberman, Belmont – Secretary
Council Member Ron Collins, San Carlos – Member

Staff, Consultants and Visitors Present

Teresa A. Herrera, SVCW Manager
Christine C. Fitzgerald, SVCW Legal Counsel
Matt Anderson, SVCW Chief Financial Officer/Assistant Manager
Monte Hamamoto, SVCW Chief Operating Officer
Kim Hackett, SVCW Authority Engineer
Jennifer Flick, SVCW Human Resources Director
Arvind Akela, SVCW Engineering & Environmental Services Director
Jessica Mangual, SVCW Secretary Pro Tem
Jane Kao, SVCW Senior Engineer
Mark Minkowski, Kennedy Jenks
Sheryl Chia, Kennedy Jenks
Theresa Yee, City of Redwood City
Aren Hansen, Brown & Caldwell
Grace Zhang, Maze & Associates
Sergio Ramirez, West Bay Sanitary District
Derek Rampone, City of Redwood City
Bill Tanner, TPI

ITEM 3

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited by those in attendance

ITEM 4**PUBLIC COMMENT**

There was no Public Comment

ITEM 5**SAFETY MOMENT AND REPORTS**

Instructions for enabling live captioning and providing public comment during the remote meeting site were provided.

Item 5A Safety Moment concerned tips on how to adjust to daylight savings.

Under Item 5B, SVCW's new Senior Engineer, Jane Kao, was introduced.

For other written reports contained within the agenda packet, there were no questions or comments.

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

No matters were discussed.

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

A. APPROVAL OF MINUTES – October 10, 2022 – Regular Meeting

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED AUGUST 9, 2022 – OCTOBER 18, 2022, AND NECESSARY PAYMENTS THROUGH OCTOBER 18, 2022

C. CONSIDERATION OF RESOLUTION APPROVING REMOTE COMMISSION MEETINGS UNDER GOVERNMENT CODE SECTION 54953 OF THE BROWN ACT DURING EMERGENCY CONDITIONS

Proposed Action:

Move adoption of RESOLUTION MAKING FINDINGS AND DETERMINATIONS AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE COMMISSION OF SILICON VALLEY CLEAN WATER UNDER GOVERNMENT CODE SECTION 54953 OF THE BROWN ACT DURING EXISTENCE OF STATE OF EMERGENCY CONDITIONS RELATED TO THE COVID-19 PANDEMIC

D. CONSIDERATION OF RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR INTUITIVE TACTICAL CONSULTING FOR NETWORK ENGINEERING CONSULTING SERVICES

Proposed Action:

Move adoption of RESOLUTION APPROVING MASTER SERVICES AGREEMENT FOR NETWORK ENGINEERING CONSULTING SERVICES – INTUITIVE TACTICAL CONSULTING

Motion/Second: Mr. Collins / Mr. Otte

The Motion carried by Unanimous Roll Call Vote

ITEM 8A

CONSIDERATION OF MOTION ACCEPTING SILICON VALLEY CLEAN WATER BASIC FINANCIAL STATEMENTS AND AUDITOR'S REPORTS FOR FISCAL YEAR 2021-22

Proposed Action:

Move approval of RECEIPT AND ACCEPTANCE OF BASIC FINANCIAL STATEMENTS AND INDEPENDENT AUDITOR'S REPORT FOR FISCAL YEAR ENDED JUNE 30, 2022

Motion/Second: Dr. Lieberman / Mr. Otte

The Motion carried by Unanimous Roll Call Vote

ITEM 8B

CONSIDERATION OF MOTION APPROVING AMENDMENT TO AGREEMENT FOR THE GRAVITY PIPELINE PROJECT (CIP 6008)

Proposed Action:

Move approval of AMENDMENT NO. 27 TO THE GRAVITY PIPELINE PROJECT (CIP #6008) IN THE AMOUNT NOT TO EXCEED \$266,289 – BARNARD BESSAC JOINT VENTURE

Motion/Second: Dr. Lieberman / Mr. Collins

The Motion carried by Unanimous Roll Call Vote

ITEM 8C

CONSIDERATION OF MOTION AUTHORIZING RESCU PROGRAM OWNER'S ASSIST FUNDING

Proposed Actions:

- i. Move approval of TASK ORDER SCOPE AND BUDGET AMENDMENT FOR CONSTRUCTION MANAGEMENT AND QUALITY ASSURANCE SERVICES FOR PUMP STATIONS IMPROVEMENTS PROJECT (CIP #9501); IN AN AMOUNT NOT TO EXCEED \$990,000 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – TANNER PACIFIC INC.
- ii. Move approval of TASK ORDER SCOPE AND BUDGET AMENDMENT FOR PROJECT MANAGEMENT ASSISTANCE FOR PUMP STATIONS IMPROVEMENTS PROJECT (CIP #9501); IN AN AMOUNT NOT TO EXCEED

\$630,00 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – COLLABORATIVE STRATEGIES CONSULTING INC.

- iii. Move approval of TASK ORDER SCOPE AND BUDGET AMENDMENT FOR OWNER'S ADVISOR SERVICES FOR PUMP STATIONS IMPROVEMENTS PROJECT (CIP #9501); IN AN AMOUNT NOT TO EXCEED \$191,000 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – DAVID J. POWERS AND ASSOCIATES.
- iv. Move approval of TASK ORDER SCOPE AND BUDGET AMENDMENT FOR OWNER'S ADVISOR SERVICES FOR PUMP STATIONS IMPROVEMENTS PROJECT (CIP #9501); IN AN AMOUNT NOT TO EXCEED \$101,000 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – JHS CONSULTANTS.

Motion/Second: Mr. Otte / Mr. Collins

The Motion carried by Unanimous Roll Call Vote

ITEM 8D

CONSIDERATION OF RESOLUTION DECLARING EXISTENCE OF AN EMERGENCY CONDITION AND APPROVING REPAIR OF ESSENTIAL FACILITIES

Proposed Action:

Move adoption of RESOLUTION DECLARING EXISTENCE OF EMERGENCY CONDITION REQUIRING IMMEDIATE EXPENDITURE OF FUNDS IN FURTHERANCE OF PUBLIC HEALTH, WELFARE AND SAFETY AND APPROVING AND RATIFYING EXECUTION OF CONTRACTS FOR REPAIR OF ESSENTIAL PUBLIC FACILITIES RELATING THERETO (DMF PIPE) (4/5ths weighted vote required)

Motion/Second: Dr. Lieberman / Mr. Collins

The Motion carried by Unanimous Roll Call Vote

ITEM 9

No Closed Session

ITEM 10

No Closed Session

ITEM 11

ADJOURN

There being no further business, the meeting adjourned at 8:40 a.m.

Minutes prepared by Teresa A. Herrera
Reviewed by General Counsel

Warren Lieberman, Secretary

AGENDA ITEM 7B

SVCW WARRANT REGISTER

SVCW Warrant Registers dated October 19 – November 28, 2022, were scanned and a copy was emailed to Commissioners and Legal Counsel on December 7, 2022.

AGENDA ITEM 7C

COMMISSION MEETINGS ATTENDANCE

ISSUE

Remote Commission Meetings Under Government Code Section 54953 of the Brown Act During Emergency Conditions

BACKGROUND

AB361 was signed into law by the Governor on September 16, 2021. AB361 amends Government Code Section 54953 of the Brown Act by allowing local agencies to hold meetings remotely during emergency situations, under the following conditions:

1. An emergency situation arises that produces an imminent risk to public health and safety.
2. A gubernatorial state of emergency is declared (pursuant to Gov't. Code § 8625).
3. A local agency wishes to meet remotely via teleconferencing as a result of the emergency. A meeting notice/agenda are produced and posted, with an agenda item dedicated to consideration of a resolution to transition to teleconferenced meetings consistent with the terms of Gov't. Code § 54953, subdivision (e).
4. A resolution is passed by majority vote consistent with the terms of Gov't. Code § 54953, subdivision (e), paragraph (1), subparagraph (B) i.e., determining that in-person meetings present imminent risks to the health or safety of attendees or when state or local officials impose or recommend social distancing measures. This resolution is valid for 30 days.
5. 30 days later: if the state of emergency remains active, a local agency may pass a resolution authorizing continued teleconferenced meetings upon finding that legislative body has both 1) reconsidered the circumstances of the state of emergency, and 2) the state of emergency continues to directly impact the ability of the members to meet safely in person or state/local officials continue to impose or recommend social distancing measures.

At its September 20, 2021 meeting, the Commission considered the above requirements and made the determination to hold remote meetings by adopting Resolution No. 21-32. At subsequent meetings, the Commission reiterated its determination to continue with remote meetings until May 9, 2022, via Resolution No. 22-19, where the Commission terminated its local emergency proclamation and returned to in-person meetings under the normal Brown Act requirements, in addition to authorizing remote participation at those meetings. However, under normal Brown Act requirements, Commissioners wishing to participate remotely for any reason must list their location on the agenda and permit public access to their location during the meeting. At its November 14, 2022 meeting the Commission again considered the safety of holding in-person meetings and made the determination to hold remote meetings by adopting Resolution No. 22-33.

DISCUSSION

This item is for the purpose of considering whether the current state of emergency as declared by the Governor warrants holding remote meetings for the next 30 days. To

continue to qualify for AB 361's waiver of in-person meeting requirements, the Commission must, within thirty (30) days of resolving remote meetings under AB361, and every thirty (30) days thereafter, make findings that a) state or local officials continue to recommend measures to promote social distancing, or that b) an in-person meeting would constitute an imminent risk to the safety of attendees.

The state of emergency proclaimed by the Governor on March 4, 2020 pursuant to the California Emergency Services Act remains active. CalOSHA maintains its Emergency Temporary Standards for prevention of Covid-19 transmission in the workplace including social distancing, and the California Department of Public Health maintains its recommendations for workplace transmission reductions.

Holding in-person meetings can continue to pose an imminent risk to all attendees and staff recommends that remote meetings under AB361 remain a viable option to protect the health and safety of all attendees, including SVCW staff and Commissioners, to maintain workplace transmission reductions. Therefore, and to allow Commissioners to carry out their duties during the continued Covid-19 state of emergency and to protect the health and safety of all concerned, staff recommends that the Commission make the required AB361 findings so that it may conduct meetings either completely virtually as needed, and in a hybrid manner that allows Commissioners subject to the Brown Act to participate remotely without posting their location on the agenda in advance of the meeting.

FINANCES

There is no financial impact to this agenda item.

RECOMMENDATION

Move adoption of RESOLUTION MAKING FINDINGS AND DETERMINATIONS AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE COMMISSION OF SILICON VALLEY CLEAN WATER UNDER GOVERNMENT CODE SECTION 54953 OF THE BROWN ACT DURING EXISTENCE OF STATE OF EMERGENCY CONDITIONS RELATED TO THE COVID-19 PANDEMIC

AGENDA ITEM 7D

**PRIMARY CHANNELS REHABILITATION AND
HATCH REPLACEMENT PROJECT (CIP# 9241)
FINAL PROJECT ACCEPTANCE**

ISSUE

Final Acceptance and Authorization to File Notice of Completion for the Primary Channels Rehabilitation and Hatch Replacement Project (CIP #9241)

BACKGROUND

An early stage of the wastewater treatment process is primary sedimentation whereby raw wastewater enters a long tank (Primary Sedimentation Tank, or "PST") via a Primary Influent Channel. In the tank, heavy solids (rocks, grit, sand) drop out of the water and light solids (grease, scum, plastics, etc.) float to the top. Each of the heavy and light solids are scraped and skimmed off the bottom and top of the tanks, respectively. The water then exits a tank via a Primary Effluent Channel and onto the next treatment process. There are four tanks total, all served by a common Primary Influent Channel for inflow and a Primary Effluent Channel for outflow.

The Primary Influent and Effluent Channels are constructed of steel and concrete. Because these surfaces are in the early stages of treatment, they are exposed to a very corrosive atmosphere with high concentrations of hydrogen sulfide in the water. When hydrogen sulfide is exposed to air, it chemically converts to sulfuric acid which attacks concrete and steel. The Primary Effluent Channel was recoated in 2009. It is not known when the Primary Influent Channel was last recoated.

DISCUSSION

The scope of work for the project included concrete repair and protective coatings application inside the Primary Influent and Effluent channels and replacing over 80 aluminum access hatches with Fiber Reinforced Plastic (FRP) material. Additionally, work involved 105 square feet of concrete repairs and coating inside PST 1 and PST 2.

The project was publicly advertised for bidding in October 2020 and in December 2020 the Commission awarded a contract to the lowest responsible bidder, ERS Industrial Services, Inc in the amount of \$2,374,020. Notice to Proceed was issued on January 19, 2021, and substantial completion was reached on September 2, 2022 (Substantial Completion Certificate attached). There were nine change orders issued for this project with a total deduct in contract price of \$36,252 (-0.61%) bringing the total contract amount to \$2,337,768.

The quality of work by the Contractor on the project is excellent and the Primary Influent and Effluent Channels are in operation. Staff recommends the project be accepted and Notice of Completion for the project issued.

FINANCES

Funding for this project comes from CIP #9241, Primary Channels Rehabilitation and Hatch Replacement Project. The allocated budget for this project is \$3,402,000. The total

project expenditure as of October 2022 is \$3,050,667.72 including construction, engineering, and construction management costs. This project will complete approximately \$350 thousand under the anticipated budget.

RECOMMENDATION

Move approval to ACCEPT PRIMARY CHANNELS REHABILITATION AND HATCH REPLACEMENT PROJECT (CIP # 9241) AND AUTHORIZE FILING NOTICE OF COMPLETION – ERS INDUSTRIAL SERVICES, INC.

**Silicon Valley Clean Water
Primary Channels Rehabilitation and Hatch Replacement
CIP No. 9241
SUBSTANTIAL COMPLETION CERTIFICATE**

The following portions of Primary Channels Rehabilitation and Hatch Replacement are accepted as Substantially Complete in accordance with Specification Sections 00700-8.6, 00800-1.5 and 01010-2.3, and as defined herein.

As of September 2, 2022, these portions of the Project are accepted:

1. All work except as noted below:
 - a. All work on the attached Punch List, dated September 2, 2022.

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

1. Authority:
 - a. The Authority assumes responsibility for security, maintenance (except as noted below), heat, utilities, damage to the Work (except as caused by the Contractor's actions) and insurance for the facilities.
2. ERS Industrial Services, Inc.:
 - a. The Contractor shall maintain and provide proof of insurance as required by Specification Section 00800-3.1.4 for all work required to complete the Punch List and for five years following Final Completion as required by Specification Section 00800-3.2.
 - b. The Contractor shall be responsible for repairs or maintenance, as necessary, until the Contractor has submitted, and the Authority has accepted all Record Documents and Operation & Maintenance Manuals.
 - c. The Contractor shall work in an expeditious manner to complete the remaining work and administrative requirements on the Project including the items on the Punch List, dated September 2, 2022.

The one year (365 Calendar Days) warranty for the accepted Work shall commence per Specification Section 01740-1.0 on the date of Acceptance by Silicon Valley Clean Water.

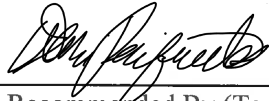
The undersigned hereby acknowledge agreement to the above provisions:



Accepted By (ERS Industrial Services, Inc.):
Bradford Radonich, Project Manager

9/15/22

Date



Recommended By (Tanner Pacific, Inc.):
Demi Pacifuentes, P.E., Construction Manager

09/16/2022

Date

AGENDA ITEM 7E

**BURIED AND EXPOSED PROCESS PIPE REPAIR
ENGINEERING PLANNING SERVICES TASK ORDER****ISSUE**

Approve Planning Task Order Scope and Budget for Buried and Exposed Process Pipe Repair

BACKGROUND

The treatment plant was built in the late 1970s and commissioned in 1981, making much of the treatment plant structures and piping about 40 years old. Most of the piping systems that connect process tanks are welded steel and buried underground or encased in concrete, vulnerable to decay from corrosion over time. Pipe sizes range from 6-inches to 84-inches in diameter. Some piping has been renovated in recent years including the final effluent outfall pipe. Some of the plant piping systems will be renovated through currently active capital projects such as Digester 1 Rehabilitation project, Return Activated Sludge Pump Suction Pipe Replacement project, and Waste Activated Sludge Influent Pipe Rehabilitation project.

SVCW has experienced some leaks in underground pipe segments in the last several years, including the final effluent pipeline (repaired under an emergency declaration in 2019-2020), aeration basin inlet pipeline, and dual media filter (DMF) feed pipeline. The leak in the aeration basin inlet pipe was repaired as a change order to the Digester 1 Rehabilitation project in October 2022. In November 2022 the DMF feed pipe was repaired under an emergency declaration.

DISCUSSION

To minimize unexpected pipe failures in the future, staff has initiated a programmatic approach, where (1) the condition of exposed, buried, and concrete encased process pipes will be assessed, (2) appropriate repair, rehabilitation, or replacement (RRR) approaches will be chosen based on best value, and (3) projects will be prioritized and budgeted to be renovated in a phased approach.

One of the main challenges to perform condition assessments on piping throughout the plant is accessibility. While exposed pipes can be ultrasonically measured for pipe wall thickness, buried pipes can only be assessed from their interiors. Many pipes cannot be taken out of service for inspection unless bypassed or process tanks taken out of service and, therefore, scheduling and coordinating inspections with plant operations will be critical.

Staff has been working on a scope of work to initiate this program with the Engineering firm Brown and Caldwell. Initial scope of work includes:

- 1) develop an inventory and a geospatial representation of critical piping systems,
- 2) perform pipeline condition assessment,
- 3) recommend RRR alternatives, and
- 4) create a prioritization list for critical piping systems.

SVCW engineering staff has negotiated a scope of work and budget with Brown and Caldwell to perform the items listed above. The budget for this scope of work is a not-to-exceed amount of \$607,033. Based on the findings, final design and construction of the pipe systems will be grouped into multiple phases to accommodate budget, time, and other resource limitations. Future design task orders for pipe renovations under this program will be presented to the Commission as work packages are identified.

FINANCES

Work will be funded from CIP #9600, Buried and Exposed Process Pipe Repair program which has an allocated budget of \$16.92 million. To date, approximately \$48 thousand has been expended.

SVCW has obtained funding of \$10 million for pipe rehabilitation work from EPA's WIFIA loan program at the low interest rate of 1.93%. This will be used for the initial phase of rehabilitation work after which other funding sources will be sought.

RECOMMENDATION

Move approval of TASK ORDER SCOPE OF WORK AND BUDGET FOR PLANNING SERVICES FOR THE BURIED AND EXPOSED PROCESS PIPING REPAIR (CIP #9600) IN AN AMOUNT NOT TO EXCEED \$607,033 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL

AGENDA ITEM 7F

**DUAL MEDIA FILTER PIPE LEAK REPAIR (PROJECT #359)
PROJECT ACCEPTANCE**

ISSUE

Acceptance of Repairs to the Dual Media Filter Pipe (Project #359) and Termination of Emergency Condition

BACKGROUND

Two years ago, water was found to be leaking from the Plant's Dual Media Filter (DMF) feed pipe. This pipe transfers water from the Secondary Clarifiers to the DMFs and is embedded within the concrete slab comprising the base of the Plant's Main Structure. At that time, staff noticed water pooling at the roadway surface west of the Main Structure and suspected the cause emanated from the DMF pipe. SVCW hired a dive crew from Power Engineering Construction to enter and investigate the pipe. Results from the investigation indicated several holes in the pipe which were, in turn, spot welded by Power Engineering field crew for repair. The repair work also added access hatches at each end of the pipe for ease of future inspections.

In late October, staff and our construction manager entered the Dual Media Filter (DMF) feed pipe to inspect the repairs that were completed two years ago. The repairs are holding up well and no additional work is needed on them. However, several new holes were discovered in the pipe that required repair. This pipe is the only feed from the secondary clarifiers to the DMFs and needs to remain in operation per SVCW's regulatory discharge permit. SVCW's discharge permit allows for bypassing the DMFs during wet weather (beginning November 1) and in cases of emergency. SVCW's Chief Operating Officer informed the Regional Water Quality Control Board on November 23rd that the agency would be bypassing the filters to allow for repairs to the pipe to be performed.

On November 3, 2022, an Emergency Declaration was issued by the SVCW Manager to protect the public health and authorize Power Engineering to proceed with repairs to the pipeline. At its meeting held on November 14, 2022 the SVCW Commission ratified the declaration of emergency condition.

DISCUSSION

On Sunday, November 27, SVCW operations staff began to shut valves and dewater the pipeline so that repair work could commence. This task typically takes two to three days to complete. Power Engineering's crew entered the pipe on Tuesday, November 29th and repairs began. Power Engineering cleaned the inside of the pipe, welded the patch plate over the holes, then grouted behind the patch plate in the cavity behind the pipe exterior that had appeared due to the leak.

During the grouting operation behind the original holes, new holes in the pipe appeared due to the pressure on the pipe wall from the grout. That this occurred is further evidence of the frailty of this pipeline. Power Engineering was instructed to repair the new leaks and to, again, grout behind the repair. This second repair was completed on Wednesday, November 30. Again, during the grouting operation, three new holes appeared and Power

Engineering's crew patched those holes on Thursday, December 1. Grouting again was initiated with positive results and no new holes appearing. After repairing a total of eight holes and completing all grouting work, Power Engineering then removed the debris deposited from the failed coating inside the pipe. On Friday December 2, final coating to the interior of the pipe was performed followed by visual and video inspection by SVCW's construction management inspection firm. The pipe was returned to operations on Monday December 5th. Operations staff returned the pipe back into service by Tuesday, December 6, 2022.

Based on the frail condition of this pipe, engineering staff has listed this pipe as highest priority for permanent repair. Staff is working toward a design task order with an engineering firm; a task order authorization will be presented to the Commission soon.

The original repair cost estimate was \$28 thousand. Additional repairs, grouting, and cleaning is estimated to increase this cost to \$42 thousand. Construction management and inspection costs brings the final estimate for repair to \$47 thousand.

FINANCIAL IMPACT

The cost for this work is drawn from SVCW's Revenue Funded Capital Budget.

RECOMMENDATION

- i. Move adoption of RESOLUTION TERMINATING THE SUSPENSION OF COMPETITIVE BIDDING REQUIREMENTS CONFERRED BY RESOLUTION NO. 22-35 AND THE CORRESPONDING MANAGER AUTHORITY AND APPROVAL OF EXPEDITURES UP TO \$300,000 (DUAL MEDIA FILTER PIPE LEAK REPAIR – Project #359)
- ii. Move approval of MOTION TO ACCEPT DUAL MEDIA FILTER PIPE LEAK REPAIR PROJECT (Project #359) – POWER ENGINEERING CONTRACTORS

AGENDA ITEM 8A

**RETURN ACTIVATED SLUDGE PIPELINE REHABILITATION PROJECT (CIP #9120)
AWARD CONSTRUCTION CONTRACT AND
APPROVE ENGINEERING SERVICES DURING CONSTRUCTION TASK ORDER****ISSUE**

Award of Construction Contract and Approval of Engineering Services During Construction Task Order for RAS Pipeline Rehabilitation Project (CIP #9120)

BACKGROUND

SVCW's activated sludge process promotes microbiology growth that reduces the oxygen demand in the wastewater. Tanks associated with this process include four aeration basins and four clarifiers. In the aeration basins, air is introduced to the wastewater to encourage the growth of microorganisms; in the clarifiers, the microorganisms and other biomass are removed from the water through settling. An important aspect of this process is the pumping of settled biomass from the clarifiers back into the aeration basins to maintain the population of microorganisms in the aeration basins. This is called Return Activated Sludge (RAS). Additionally, to keep the microorganisms from overpopulating the clarifiers, a portion is *wasted*. This wasted material is diverted to the solids treatment train of the process and is called Waste Activated Sludge (WAS).

RAS pipes connect the secondary clarifiers to six RAS pumps in the pump room. The RAS pipe material is steel with cement mortar lining. There are four RAS pipes, each 18-inches in diameter and 50 to 150 feet long. Similarly, there are four WAS pipes, each 6-inches in diameter and of similar length to the RAS pipes. Condition assessment reports by Brown and Caldwell and V&A Consulting Engineers from 2009-2010 indicate that the RAS and WAS pipes had undergone significant corrosion with a loss up to 30% pipe wall thickness. Over the past 12 years, the pipe conditions have continued to deteriorate. The worst areas are the RAS and WAS pump suction piping near the pump inlets and the RAS and WAS header piping. Maintenance Division staff have installed patch and clamp repairs at the worst areas, but a permanent rehabilitation solution is needed to stop the corrosion and prevent further degradation, as well as to repair the existing corroded pipe. These pipelines are a critical component of the activated sludge system, and a failure could have significant impact on the treatment plant's ability to meet its regulatory discharge permit.

In 2018, SVCW conducted evaluations to identify the causes of corrosion. There are two main causes: 1) corrosive water chemistry in the return activated sludge and 2) stray current corrosion in the RAS and WAS pump room. SVCW then hired Kennedy Jenks Consultants (KJ) to evaluate rehabilitation alternatives for the RAS and WAS pipelines and to develop a viable design concept for permanent repairs.

DISCUSSION

In 2021, SVCW engaged Kennedy Jenks Inc. (KJ) to provide engineering services to design and develop construction documents for the RAS Pipeline Rehabilitation Project ("Project") under CIP #9120. The design includes replacement of deteriorated RAS and WAS piping, valves, and fittings; replacement of interior lining through cured-in-place

(CIPP) or spray-in-place (SIPP) lining; piping layout improvements; and related electrical and control modifications.

Kennedy Jenks completed the design for the Project and the project was publicly advertised for bids on October 20, 2022. A mandatory pre-bid conference and site-walk was held on October 27, 2022. Eight interested construction firms attended this event. Bids were opened on December 1, 2022; the bid summary sheet is attached. SVCW received four bids with Trinet Construction, Inc (“Trinet”) submitting the lowest apparent responsible and responsive bid in the amount of \$5,902,660. Staff reviewed the bid documents submitted by Trinet, including the subcontractor named to provide the SIPP pipe lining services. Staff has determined that Trinet is a responsive bidder to the project.

The Engineer’s Estimate of Probable Cost for construction was \$4.9 million. All four bids exceeded this estimate and SVCW staff reviewed the bid line items and discussed the bid amounts with the bidders to understand where costs were bid higher than anticipated. It’s been concluded that the higher cost reflects the current bidding climate and high cost and scarcity of materials. Particularly for work to repair pipes using SIPP or CIPP methods, there are very few companies who perform this work and demand across the country exceeds the supply. It is not expected that construction costs will decrease in the foreseeable future due to the continued materials’ shortages, inflation, the high demand for construction workers, and competitive bidding climate. Additionally, the need for this project at this time is critical since the pipes are in failure mode already and have been patched to keep them in service. For these reasons, staff recommends moving the project forward into its construction phase.

In addition to construction contract award, this agenda item seeks approval for a task order scope of work and budget to Kennedy/Jenks for Engineering Services During Construction. Staff has negotiated a scope of work and budget for these services on a time and expense basis at a not-to-exceed amount of \$280,100, approximately 4.7% of the construction cost. This fee is within industry standards and SVCW budgeting allocations. Tasks include reviewing construction submittals, responding to contractor Requests for Information (RFIs), evaluating potential changes in design that may be discovered during construction, and providing final record drawings at the completion of the Project.

FINANCES

Funding for the project derives from CIP #9120 RAS Pipe Rehabilitation Project with an allocated budget of \$3.8 million and CIP #9601 WAS Influent Pipe Rehabilitation with an allocated budget of \$2.1 million. The shortfall of funds will be transferred from CIP #9600, Buried and Exposed Process Pipe Repair Program which has an allocated budget of \$16.92 million.


RECOMMENDATION

- i. Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR RAS PIPELINE REHABILITATION PROJECT (CIP #9120); ACCEPTING BID OF LOWEST RESPONSIBLE BIDDER; REJECTING ALL

OTHER BIDS; AUTHORIZING EXECUTION OF AGREEMENT AND DIRECTING RETURN OF SECURITY DEPOSITS AND AUTHORIZING MANAGER TO APPROVE CONTRACT CHANGE ORDERS UP TO TEN PERCENT OF THE CONTRACT PRICE FOR SAID PROJECT – Trinet Construction, Inc. (\$5,902,660)

- ii. Move approval of TASK ORDER FOR ENGINEERING SERVICES DURING CONSTRUCTION FOR RAS PIPELINE REHABILITATION PROJECT (CIP #9120) IN AN AMOUNT NOT TO EXCEED \$280,100 AND AUTHORIZE MANAGER TO APPROVE UP TO A TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY JENKS.

SVCW
RAS Pipe Rehabilitation Project, CIP# 9120
Bidders Checklist
Thursday, December 1, 2022; 2:00 PM PST

											
Name of Bidder	Addendum	Proposal Guaranty Bond	Cert. of Bidders Exp. & Qualifications	Cert. of Subcontractor's Experience & Quals.	Desig. of Subcontractors	Site Visit Affidavit	Schedule of Major Equipment & Material Suppliers	Ackw. of Insurance Req's.	Noncollusion Affidavit	Affidavit of Safety Compliance	Total Bid Amt.
	#1 & 2	Section 00410	Section 00420	Section 00420A	Section 00430	Section 00440	Section 00450	Section 00470	Section 00480	Section 00490-1,2	
1 GSE Construction Company Inc.	1, 2, 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	Base: 7,462,700 Alt A: \$30,600 Total: \$7,493,300
2 J.F. Shea Construction, Inc.	1, 2, 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	Base: \$8,092,912 Alt A: \$35,400 Total: \$8,128,312
3 Anvil Builders Inc.	1, 2, 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	Base: \$6,418,600 Alt A: \$39,000 Total: \$6,457,600
4 Trinet Construction, Inc.**	1, 2, 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	Base: \$5,860,660 Alt A: \$42,000 Total: \$5,902,660
** Pending Commission Approval. Next Commission meeting is scheduled for Monday, December 12, 2022.											

AGENDA ITEM 8B

**RESCU PROGRAM (CIP #6008, 9501, 9502, 9500)
BUDGET CONTINGENCY ADJUSTMENTS****ISSUE**

Approve Budget Contingency Adjustments to RESCU Projects (CIP #s 9500, 9501, and 9502)

BACKGROUND

In 2017 SVCW approved three design-build contracts for design and construction of the projects within the Regional Environmental Sewer Conveyance Upgrade (RESCU) program. For design-build projects, a single entity ("design-builder") is responsible for both design and construction. Design-build contracts outline two stages for the project. In Stage 1, the design-builder completes the design from the preliminary design phase (~10%) through the 60% design phase, at which time the price for completing the project is prepared and a Stage 2 contract awarded. Stage 2 consists of concurrent completion of engineering design (moving design from 60% to 100% completion) and construction.

From the beginning of each project, SVCW has been monitoring and tracking risks to the program's cost and schedule by using a tool called a Risk Register. The Risk Register helps to identify probability of risks, to mitigate risks, and to track potential cost changes to the program. There are risk registers for each RESCU project, as well as a program wide RESCU Risk Register. All risk registers are reviewed and updated regularly as the program moves through each projects' construction phases.

DISCUSSION

The design-builders began construction in 2018 and have performed very high-quality work through unanticipated global events, including the COVID-19 pandemic, the subsequent supply-chain issues and inflationary pressures on material and labor costs. Design-build contracting allowed large purchases of materials to proceed early in the project, saving project schedule, and locking in prices early. The program has benefited from this practice, as evidenced by completion of the Gravity Pipeline project at \$3.4 million below budget. However, contract change orders to other RESCU projects, either requested by SVCW, required by outside agencies (Caltrans, PG&E, and others) or resulting from differing site conditions have resulted in modest cost increases and schedule delays. Reflecting the costs of risks accurately in the Risk Registers has been extremely challenging and, while the project teams work diligently to do so, some of the approved changes exceed values assumed in the risk register.

Staff presented a RESCU Program summary, including a necessary program budget increase, to the Commission at its November 2022 meeting. Reiterating the information, the most recent review of the RESCU Program Risk Register reveals that the RESCU program's current contingency is not adequate to cover the risks and potential change orders that the program continues to anticipate. The Gravity Pipeline project was completed \$3.4 million below its allocated budget. Net of this savings, an additional \$4.9 million is needed for the RESCU program which represents 0.85% of the overall RESCU program budget of \$574 million. The program is approximately 82% complete.

Project	Incr/(Decr) Contingency (millions)	New Project Budget (millions)
Pump Stations Improvements (9501)	\$1.2	\$133.5
Front of Plant (9502)	\$6.5	\$168.7
RESCU Program Management (9500)	\$0.6	\$15.9
Subtotal	\$8.3	\$582.5
Gravity Pipeline Adjustment (6008)	(\$3.4)	\$261.0
Total, Net of Gravity Pipeline Adjustment	\$4.9	\$579.1

While additional contingency needs are not anticipated, with the program at 82% completion and primarily being constructed in public and private community sites, unforeseen circumstances may arise. Therefore, it is recommended that a gross contingency adjustment of \$8.3 million be made to RESCU excluding the \$3.4 million of Gravity Pipeline savings. This represents 1.4% of the total program budget, far exceeding expectations for budget adherence in a program this large and this complex.

As a precaution, the \$3.4 million “savings” on the Gravity Pipeline project will remain in that project’s allocated contingency. If any portion of this contingency is needed for the remaining projects, staff will bring an item to the Commission to allocate it appropriately.

FINANCES

The additional \$8.3 million is approximately 1.4% of the total program budget. The new project budgets will be incorporated into SVCW’s Long Range Financial Plan to be presented to the Commission in January 2023 and the next CIP update, which will be prepared in late 2023.

RECOMMENDATION

- i. Move approval of INCREASE IN RESCU PROGRAM MANAGEMENT PROJECT CONTINGENCY FROM \$ 15,303,048 TO \$ 15,903,048. (CIP #9500)
- ii. Move approval of INCREASE IN PUMP STATIONS IMPROVEMENTS PROJECT CONTINGENCY FROM \$132,289,099 TO \$133,589,099. (CIP #9501)
- iii. Move approval of INCREASE IN FRONT OF PLANT PROJECT CONTINGENCY FROM \$162,209,435 TO \$168,709,435. (CIP #9502)

AGENDA ITEM 8C

**ESTABLISHING JOB TITLE FOR THE POSITION OF
LABORATORY QUALITY ASSURANCE OFFICER**

ISSUE

Create a New Position, Laboratory Quality Assurance Officer

BACKGROUND

Silicon Valley Clean Water (SVCW) operates under its regulatory permit titled the National Pollution Discharge Elimination System (NPDES). Its NPDES permit dictates how SVCW operates to meet pollutant limits in its water discharge. One of the requirements is that all regulatory data submitted by a water laboratory needs to be accredited by the California Environmental Laboratory Accreditation Program (ELAP). SVCW's laboratory is accredited by ELAP.

ELAP recently overhauled their program by incorporating National Environmental Laboratory Accreditation Program standards (known as "TNI") by reference, into the California Code of Regulations. For laboratories to maintain their accreditation with the State, they must transition to the new requirements by January 1, 2024. The new ELAP requirements emphasize quality control and documentation to generate environmental and public health data of known, consistent, and documented quality.

Most private laboratories operating nationally already meet the TNI requirements because they typically receive samples from multiple states. For the past two years, most municipal laboratories in California have been preparing to meet the new ELAP requirements. ELAP staff and private contractors have been busy training laboratory staff throughout California to support the implementation of the new requirements.

SVCW's Laboratory staff, led by a team of the Laboratory Director, Laboratory Supervisor, and Senior Laboratory Analyst, have been training and preparing for the new requirements. The preparation process has been time-consuming and has taken the Senior Laboratory Analyst away from their regular laboratory duties which include sample collection and analysis. Once the SVCW Laboratory sets up the processes for the new ELAP requirements, the increased workload will continue, as the documentation requirements are very time consuming and include high levels of auditing and reporting.

DISCUSSION

The TNI requirements describe laboratory management by defining three roles: Laboratory Director, Technical Manager, and Quality Manager. In most municipal water and wastewater laboratories, these roles are filled by people in supervisory roles within the laboratory. In the SVCW Laboratory, which currently has a staff of 7, the Laboratory Director role is performed by the Laboratory Director, the Technical Manager role is performed by the Laboratory Supervisor, and the Quality Manager Role is currently unassigned. This agenda item presents the need for a new position in the laboratory to fulfill TNI requirements for a Quality Manager.

Currently, the Senior Laboratory Analyst position has the primary responsibilities of sample collection and analysis, training staff, troubleshooting equipment, and regulatory reporting. For the past two years during preparation for the new ELAP requirements, this person has had to drastically reduce the number of samples that they analyze and staff that they train. Given the lean staff number, significant amounts of overtime have been worked. Additionally, it is often that the laboratory has more samples than can be analyzed by staff and, therefore, samples are sent to outside laboratories for analysis.

TNI brings with it the need for an additional staff person to fulfill the required role of Quality Manager. The SVCW Manager proposes to create a new position titled Laboratory Quality Assurance Officer under a Professional classification. The proposed position will be responsible for multiple projects that are time-sensitive including QA/QC, reports, database management, and audits, all best facilitated under a professional salaried position rather than hourly position which would include overtime pay.

Addition of this position will increase the headcount in the laboratory to 8 and will allow for the laboratory analysts to perform process control and regulatory analyses, while allowing the Laboratory Quality Assurance Officer to focus on quality assurance and quality control in accordance with certification requirements. Additionally, this person's role will include staff training activities. The proposed Laboratory Quality Assurance Officer job description and salary range are:

JOB TITLE:

Laboratory Quality Assurance Officer

SUMMARY OF DUTIES:

Under general direction of the Laboratory Director, the Laboratory Quality Assurance Officer is responsible for the oversight and review of the Laboratory's Quality Assurance and Quality Control (QA/QC) program as described in the Quality Manual. Maintains the currency of the Quality Manual and ensures that the management systems related to quality is implemented and followed at all times. Interfaces with regulatory officials concerning laboratory accreditation. Conducts internal audits. Serves as a focal point for QA/QC and responsible for oversight and review of the QC data. Provides training in various laboratory techniques and equipment. In addition to the above responsibilities, the Laboratory Quality Assurance Officer is further distinguished from the Laboratory Analyst series by not having routine sample collection or laboratory analyses duties.

PROPOSED SALARY RANGE:

\$11,420 - \$15,306 per month.

The proposed salary range is equivalent to other Professional category positions within the agency, specifically Financial Analyst, Business Operations Associate, and Business Analyst. The range is lower than other Professional category positions, namely, Senior Engineer, Engineer, Senior Capital Improvement Manager, and Capital Improvement Manager. The additional salary-related costs will partially be offset by a reduction in overtime and in the number of samples sent to outside laboratories for analysis. Over the

past year, approximately \$70,000 has been expended in overtime pay for laboratory analysts and outside laboratory analyses that could not be fulfilled by in-agency staff.

While the Manager is sensitive to adding personnel to SVCW's operating expenses, the need for an additional position in the laboratory has been recognized internally for the past two years. The additional ELAP certification requirements are one driving force; another driving force is the addition of preliminary treatment to the process train (Front of Plant Headworks facilities). Collecting and analyzing samples from the new headworks facilities will be laboratory staff responsibilities. Current staffing levels will not be able to meet these needs given that the laboratory is already sending out samples for analysis and working overtime to meet current agency needs.

FINANCES

Currently there is an open position in SVCW that has proven challenging to fill (Control System Technician) and it is anticipated that this position will remain open for the remainder of the 22-23 fiscal year. Therefore, a mid-year operating budget adjustment is not being requested at this time.

The creation of this job position will increase the headcount at SVCW. The impact to the operating budget will depend on the actual pay level the individual is hired at from the pay rates being proposed for said position.

RECOMMENDATION

- i. Move adoption of RESOLUTION ESTABLISHING RATES OF PAY FOR PROFESSIONAL EMPLOYEES OF SILICON VALLEY CLEAN WATER AND RESCINDING AND RESTATING CERTAIN PROVISIONS OF RESOLUTION NO. SVCW 22-26 AND RESCINDING ANY AND ALL OTHER RESOLUTIONS OR PROVISIONS THEREOF IN CONFLICT HERewith
- ii. Move adoption of RESOLUTION AMENDING SECTION 6 OF RESOLUTION NO. SVCW 77-6, THE SVCW PERSONNEL RESOLUTION, RELATED TO CLASSIFICATION OF POSITIONS AND RESCINDING RESOLUTION NO. SVCW 22-27 AND ANY AND ALL OTHER RESOLUTIONS OR PROVISIONS THEREOF IN CONFLICT HERewith
- iii. Move adoption of RESOLUTION APPROVING UPDATED CONSOLIDATED PAY SCHEDULE FOR ALL REPRESENTED AND UNREPRESENTED EMPLOYEES OF SILICON VALLEY CLEAN WATER FOR FISCAL YEAR 2022-2023 AND RESCINDING RESOLUTION NO. SVCW 22-28

Silicon Valley Clean Water Negotiated Pay Scale (Monthly)

General Represented Employees
Stationary Engineers Local 39

Fiscal Year: 2022-23

Cost-of-Living Adjustment: 4.0%

Class 0 Positions	Codes	A0	B0	C0	D0	E0	F0	G0
Senior Operator	D130	\$ 9,205	\$ 9,665	\$ 10,143	\$ 10,654	\$ 11,299	\$ 11,747	\$ 12,332
Operator	D400	\$ 7,356	\$ 7,728	\$ 8,109	\$ 8,519	\$ 8,952	\$ 9,398	\$ 9,861
Senior Plant Mechanic	D200	\$ 8,870	\$ 9,317	\$ 9,780	\$ 10,264	\$ 10,784	\$ 11,321	\$ 11,889
Senior Plant Mechanic - Electrician	D250	\$ 9,482	\$ 9,958	\$ 10,453	\$ 10,974	\$ 11,529	\$ 12,104	\$ 12,710
Senior Plant Mechanic - Instrumentation Tech	D230	\$ 9,482	\$ 9,958	\$ 10,453	\$ 10,974	\$ 11,529	\$ 12,104	\$ 12,710
Senior Plant Mechanic - Control Systems Technician	D260	\$ 9,955	\$ 10,457	\$ 10,975	\$ 11,522	\$ 12,106	\$ 12,709	\$ 13,346
Plant Mechanic	D450	\$ 6,823	\$ 7,166	\$ 7,525	\$ 7,906	\$ 8,305	\$ 8,717	\$ 9,149
Plant Mechanic - Electrician	D460	\$ 6,823	\$ 7,166	\$ 7,525	\$ 7,906	\$ 8,305	\$ 8,717	\$ 9,149
Plant Mechanic - Instrumentation Tech	D440	\$ 6,823	\$ 7,166	\$ 7,525	\$ 7,906	\$ 8,305	\$ 8,717	\$ 9,149
Plant Mechanic - Control Systems Technician	D470	\$ 7,165	\$ 7,524	\$ 7,902	\$ 8,302	\$ 8,721	\$ 9,152	\$ 9,608
Planner / Scheduler Assistant	D852	\$ 6,823	\$ 7,166	\$ 7,525	\$ 7,906	\$ 8,305	\$ 8,717	\$ 9,149
Water Quality Specialist *	D360	\$ 8,580	\$ 9,105	\$ 9,671	\$ 10,256	\$ 10,886	\$ 11,555	\$ 12,133
Senior Laboratory Analyst **	D305	\$ 9,982	\$ 10,482	\$ 11,005	\$ 11,555	\$ 12,133	-	-
Laboratory Analyst II	D303	\$ 9,077	\$ 9,531	\$ 10,007	\$ 10,507	\$ 11,031	-	-
Laboratory Analyst I	D301	\$ 8,251	\$ 8,662	\$ 9,094	\$ 9,551	\$ 10,029	-	-
Senior Environmental Compliance Inspector *	D351	\$ 9,053	\$ 9,508	\$ 9,982	\$ 10,482	\$ 11,005	-	-
Environmental Compliance Inspector	D353	\$ 8,232	\$ 8,643	\$ 9,077	\$ 9,531	\$ 10,007	-	-
Pollution Prevention Specialist	D355	\$ 8,232	\$ 8,643	\$ 9,077	\$ 9,531	\$ 10,007	-	-
Materials Specialist	D703	\$ 8,789	\$ 9,240	\$ 9,712	\$ 10,188	\$ 10,697	-	-
Utility Worker	D850	\$ 6,316	\$ 6,664	\$ 7,028	\$ 7,417	\$ 7,824	-	-

Class 1 Positions	Codes	A1	B1	C1	D1	E1	F1	G1
Senior Operator	D131	\$ 9,390	\$ 9,855	\$ 10,345	\$ 10,868	\$ 11,524	\$ 11,982	\$ 12,578
Operator	D401	\$ 7,503	\$ 7,883	\$ 8,271	\$ 8,688	\$ 9,133	\$ 9,585	\$ 10,059
Senior Plant Mechanic	D201	\$ 9,048	\$ 9,504	\$ 9,976	\$ 10,468	\$ 11,001	\$ 11,547	\$ 12,126
Senior Plant Mechanic - Electrician	D251	\$ 9,672	\$ 10,158	\$ 10,660	\$ 11,192	\$ 11,760	\$ 12,346	\$ 12,965
Senior Plant Mechanic - Instrumentation Tech	D231	\$ 9,672	\$ 10,158	\$ 10,660	\$ 11,192	\$ 11,760	\$ 12,346	\$ 12,965
Senior Plant Mechanic - Control Systems Technician	D261	\$ 10,155	\$ 10,665	\$ 11,195	\$ 11,753	\$ 12,348	\$ 12,963	\$ 13,613
Plant Mechanic	D451	\$ 6,959	\$ 7,309	\$ 7,676	\$ 8,063	\$ 8,472	\$ 8,892	\$ 9,333
Plant Mechanic - Electrician	D461	\$ 6,959	\$ 7,309	\$ 7,676	\$ 8,063	\$ 8,472	\$ 8,892	\$ 9,333
Plant Mechanic - Instrumentation Tech	D441	\$ 6,959	\$ 7,309	\$ 7,676	\$ 8,063	\$ 8,472	\$ 8,892	\$ 9,333
Plant Mechanic - Control Systems Technician	D471	\$ 7,308	\$ 7,675	\$ 8,060	\$ 8,467	\$ 8,895	\$ 9,337	\$ 9,799
Planner / Scheduler Assistant	D853	\$ 6,959	\$ 7,309	\$ 7,676	\$ 8,063	\$ 8,472	\$ 8,892	\$ 9,333
Water Quality Specialist *	D361	\$ 8,752	\$ 9,286	\$ 9,865	\$ 10,462	\$ 11,105	\$ 11,786	\$ 12,375
Senior Laboratory Analyst **	D306	\$ 10,183	\$ 10,691	\$ 11,225	\$ 11,786	\$ 12,375	-	-
Laboratory Analyst II	D304	\$ 9,257	\$ 9,720	\$ 10,206	\$ 10,715	\$ 11,252	-	-
Laboratory Analyst I	D302	\$ 8,416	\$ 8,837	\$ 9,277	\$ 9,743	\$ 10,229	-	-
Senior Environmental Compliance Inspector *	D352	\$ 9,233	\$ 9,699	\$ 10,183	\$ 10,691	\$ 11,225	-	-
Environmental Compliance Inspector	D354	\$ 8,398	\$ 8,815	\$ 9,257	\$ 9,720	\$ 10,206	-	-
Pollution Prevention Specialist	D356	\$ 8,398	\$ 8,815	\$ 9,257	\$ 9,720	\$ 10,206	-	-
Materials Specialist	D704	\$ 8,966	\$ 9,424	\$ 9,906	\$ 10,392	\$ 10,912	-	-
Utility Worker	D851	\$ 6,442	\$ 6,797	\$ 7,170	\$ 7,566	\$ 7,982	-	-

Class 0 - Employees not eligible for certification pay.

Class 1 - Employees achieving professional certification higher than specified for current classification qualify for certification pay per CLASS 1 salary schedule.

* Salary step "G" available only to Water Quality Specialists in Environmental Compliance Division as of 7/1/2013. Promotions to Snr Environmental Compliance Inspector limited to only one person in the position at any given time. The Water Quality Specialist classification not available to new hires after June 30, 2013.

** There shall be only one person in the position of Senior Laboratory Analyst at any given time.

General Non-Represented Employees (hourly)	Codes	A	B	C	D	E
Lab Assistant	D550	\$ 23.54	\$ 24.70	\$ 25.94	\$ 27.25	\$ 28.61
Engineering Intern	E505	\$ 23.54	\$ 24.70	\$ 25.94	\$ 27.25	\$ 28.61
General Intern	E508	\$ 23.54	\$ 24.70	\$ 25.94	\$ 27.25	\$ 28.61

Confidential General Employees (monthly)	Codes	A	B	C	D	E	F	G
Accountant	E250	\$ 9,137	\$ 9,594	\$ 10,074	\$ 10,577	\$ 11,107	\$ 11,662	\$ 12,244
Accounting Technician	E200	\$ 6,756	\$ 7,092	\$ 7,448	\$ 7,821	\$ 8,214	\$ 8,622	\$ 9,053
Administrative Assistant	E100	\$ 8,112	\$ 8,520	\$ 8,947	\$ 9,393	\$ 9,861	\$ 10,355	\$ 10,871
Administrative Clerk	E175	\$ 5,679	\$ 5,964	\$ 6,265	\$ 6,576	\$ 6,905		
Office Assistant	E150	\$ 4,847	\$ 5,089	\$ 5,344	\$ 5,614	\$ 5,893		
Procurement Specialist	E702	\$ 8,789	\$ 9,229	\$ 9,690	\$ 10,174	\$ 10,683	\$ 11,217	\$ 11,706
Information System Analyst	E510	\$ 10,979	\$ 11,529	\$ 12,106	\$ 12,710	\$ 13,347		
Information System Technician	E520	\$ 7,766	\$ 8,163	\$ 8,582	\$ 9,026	\$ 9,489		

Professional Employees (monthly)	Codes	Minimum	Maximum
Senior Engineer	E500	\$ 16,182	\$ 19,670
Engineer	E501	\$ 13,253	\$ 16,102
Associate Engineer	E503	\$ 11,599	\$ 14,098
Senior Capital Improvement Manager	C902	\$ 16,182	\$ 19,670
Capital Improvement Program Manager (Vacant) ***	C903	\$ 12,946	\$ 15,737
Senior Information System Analyst	E530	\$ 12,199	\$ 14,828
Financial Analyst	E300	\$ 11,420	\$ 15,306
Business Analyst	E325	\$ 11,420	\$ 15,306
Business Operations Associate	E330	\$ 11,420	\$ 15,306
Laboratory Quality Assurance Officer	E400	\$ 11,420	\$ 15,306

*** This position applies to new hires on or after 1/1/2018.

Management Employees (monthly)	Codes	Minimum	Maximum
Manager	C100	\$ 33,000	\$ 33,000
Authority Engineer	C110	\$ 22,042	\$ 26,790
Chief Operating Officer	C120	\$ 23,428	\$ 28,477
Assistant Manager / Chief Financial Officer	C205	\$ 22,813	\$ 27,727
Maintenance Director	C261	\$ 17,986	\$ 21,861
Operations Director	C271	\$ 17,986	\$ 21,861
Engineering/Environmental Services Director	C181	\$ 17,986	\$ 21,861
Laboratory Director (Current)	C500	\$ 17,986	\$ 21,861
Environmental Services Director	C411	\$ 16,794	\$ 20,413
Laboratory Director (Vacant) ****	C501	\$ 16,794	\$ 20,413
Information Systems Director	C511	\$ 16,794	\$ 20,413
Administrative Services Director	C201	\$ 15,526	\$ 18,978
Human Resources Director	C208	\$ 15,526	\$ 18,978
Health and Safety Director	C191	\$ 15,526	\$ 18,978
Maintenance Supervisor	C300	\$ 13,599	\$ 16,529
Operations Supervisor	C400	\$ 13,599	\$ 16,529
Accounting Supervisor	C405	\$ 13,599	\$ 16,529
Laboratory Supervisor	C512	\$ 13,599	\$ 16,529
Environmental Services Supervisor	C420	\$ 13,599	\$ 16,529
Capital Improvement Program Manager (Current)	C901	\$ 12,946	\$ 15,737

**** This position applies to new hires on or after 7/1/2022.

AGENDA ITEM 8D

**RESCU PROGRAM – FRONT OF PLANT PROJECT (CIP #9502)
APPROVAL OF CONTRACT CHANGE ORDER**

ISSUE

Approve Contract Change Order to the Front of Plant (FoP) Design-Build Agreement with Shea Parsons Joint Venture (SPJV) for Schedule Extension Costs

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. RESCU is comprised of three projects: Pump Stations Improvements, Gravity Pipeline, and Front of Plant.

The Front of Plant (FoP) Project designs and builds preliminary treatment for SVCW's wastewater treatment plant. It includes a new Receiving Lift Station and Headworks Facility (screening and grit removal) and Interconnecting Pipeline (IPL) which brings the water to the main plant. IPL construction requires bypassing the existing SVCW force main so that the new connection can be made. The construction agreement for the FoP Project was authorized with Shea Parsons Joint Venture (SPJV) in December 2018.

Throughout the construction phase of the project, SVCW has requested changes to the FoP scope that would benefit SVCW by taking advantage of efficiencies to combine scopes of work or by making use of SPJV's expertise in water infrastructure construction. Examples of these amendments include:

- Amendment 7 - Transferring scope from the Underslab and Above Grade Piping Rehabilitation Project to rehabilitate the existing primary influent pipeline while the force main bypass is in place (Authorized in December 2021 for \$2,250,000)
- Amendment 11 - Transferring scope from the Gravity Pipeline project to the FoP project to complete the connections from the SVCW conveyance system to the tunnel (Authorized in June 2022 for \$7,601,838)

DISCUSSION

As these additional scopes of work items were developed into 100% design SPJV continued the collaborative relationship with SVCW. This resulted in some key design changes that were important for the Operations Division to continue efficient operation of the treatment plant. These are described below.

Amendment 7

As designed and approved in Amendment 7, the bypass piping was going to be installed around the existing screening structure, resulting in all flow into the treatment plant to be unscreened. Upon being apprised of this design, SVCW's Chief Operating Officer brought up to the project team's attention operational issues that would be unmanageable. The issues center around the fact that bringing unscreened material into the treatment plant

would result in excessive operator and maintenance time needed to remove material from the rotating equipment throughout the plant (pumps, mixers, gears), a process called “deragging”. In addition to deragging activities, much of the unscreened material would be deposited in the digesters, reducing digester performance and requiring more frequent cleaning. The additional rags could also damage the Fixed Film Reactors and the Gravity Thickening systems, which have not been upgraded as part of the CIP and are in poor condition. When Amendment 7 was scoped and brought for approval, these considerations were not brought to light to the project team and it was only after SVCW’s Chief Operating Officer was informed of the bypass plan that he requested a change.

An alternate bypass system has been designed, which allows for the screening system to be utilized. This system, however, only has the capacity to pass dry weather flows. To do the work during the dry weather, the project schedule needs to be extended further than contemplated in Amendment 7.

Amendment 11

The design for Amendment 11 included a constructability and value engineering step to assist in keeping costs down while providing for the needs of the Operations and Maintenance Divisions to reliably operate the conveyance system. These changes have benefited the program but also added time to the schedule. Materials have been ordered, some with long lead times, further compounding the schedule impacts.

Overall Schedule Extension and Indirect Costs Compensation

Overall, the schedule will be extended from its current substantial completion date of December 28, 2022 to October 23, 2023. While the costs for the construction elements of Amendment 7 and Amendment 11 have not changed, SPJV has requested compensation for the indirect costs to the project. These include costs for field office staff, superintendents, office equipment, supplies and software, and equipment and vehicle costs. SVCW has reviewed SPJV’s indirect cost proposal and negotiated a change of \$1,714,780 to the project.

FINANCES

There are additional costs in the amount of \$1,714,780 to the Front of Plant Project. This additional cost is approximately 1% of the project budget. This amount is accounted for in the risk register for the project.

RECOMMENDATION

Move adoption of RESOLUTION AUTHORIZING THE SILICON VALLEY CLEAN WATER MANAGER TO APPROVE CONTRACT CHANGE ORDER FOR THE FRONT OF PLANT PROJECT IN AN AMOUNT NOT TO EXCEED \$1,714,780

AGENDA ITEM 8E

**CONSIDERATION TO ESTABLISH
CALENDAR YEAR 2023 COMMISSION MEETING SCHEDULE**

ISSUE

Approve SVCW Commission Meeting Schedule for Calendar Year 2023

BACKGROUND

The day and time of regular meetings are established by Commission resolution pursuant to the SVCW Bylaws. Per Resolution 22-01, adopted by this Commission on January 10, 2022, the regular meetings of the SVCW Commission have been held at 8:00 a.m. on the second Monday of each month. Resolution 22-01 further provides that the Commission establish and adopt a yearly meeting schedule.

DISCUSSION

The attached table indicates dates in each month that a Commission meeting would fall (second Monday of each month). The Commission has previously discussed, and the attached table reflects, no meeting in August.

It is recommended that the Commission discuss the 2023 calendar of Commission meetings, including confirmation of the proposed dates. Upon final decision, the calendar will be finalized and uploaded to the SVCW website.

FINANCES

There are no direct financial impacts to this action.

RECOMMENDATION

Move adoption of RESOLUTION ESTABLISHING AND ADOPTING COMMISSION'S REGULAR MEETING SCHEDULE FOR CALENDAR YEAR 2023

Commission Meeting Dates for Calendar Year 2023*

Meeting Date	Type of Meeting
January 9, 2023	Regular
February 13, 2023	Regular
March 13, 2023	Regular
April 10, 2023	Regular
May 8, 2023	Regular
June 12, 2023	Regular
July 10, 2023	Regular
No August Meeting	
September 11, 2023	Regular
October 9, 2023	Regular
November 13, 2023	Regular
December 11, 2023	Regular

*Regular Meetings are scheduled for the second Monday of each month