

**COMMISSION OF SILICON VALLEY CLEAN WATER
JOINT POWERS AUTHORITY
REGULAR MEETING – Monday, October 18, 2021
8:00 a.m.**

THIS MEETING WILL BE HELD REMOTELY UNDER PARAGRAPH (1) OF SUBDIVISION (e) OF GOVERNMENT CODE SECTION 54953 DUE TO THE CURRENT PROCLAIMED STATE OF EMERGENCY. THIS MEETING WILL NOT HAVE A PHYSICAL LOCATION.

SEE PAGE 5 OF THIS AGENDA FOR 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. Instructions for addressing the Commission during public comment periods are provided below. 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. 7
- B. Manager's Report
 - 1. Upcoming Commission Actions.....pg. 9
 - 2. Memorandum Regarding Water Feature.....pg. 11
- C. Financial Report
 - 1. Investment Report.....pg. 13
- D. Engineering Capital Projects Report.....pg. 17
- E. Commission Requested Staff-Level Action Items..... pg. 20
- F. RESCU Program Design-Build Project Status Update..... pg. 23

6. MATTERS OF COMMISSION MEMBER'S INTEREST

7. CONSIDERATION OF MOTION APPROVING CONSENT CALENDAR (begins pg. 31)

8. BUSINESS ITEMS

- A. CONSIDERATION OF RESOLUTION AUTHORIZING CONTINUATION OF REMOTE MEETINGS UNDER GOVERNMENT CODE SECTION 54953 OF THE BROWN ACT DURING EMERGENCY CONDITIONS (pg. 39)

Proposed Action:

Adopt 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

- B. CONSIDERATION OF RESOLUTION ADOPTING MODIFICATION TO SVCW INDUSTRIAL PRETREATMENT PROGRAM (pg. 42)

Proposed Action:

Approve RESOLUTION ADOPTING MODIFICATIONS TO REGULATIONS OF THE SILICON VALLEY CLEAN WATER ESTABLISHING UNIFORM STANDARDS, CONDITIONS AND REQUIREMENTS FOR THE USE OF THE SANITARY SEWERAGE FACILITIES OF SAID AUTHORITY AND ITS MEMBER AGENCIES

9. CLOSED SESSION
No Closed Session
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 – September 20, 2021 - Regular Meeting (pg. 31)

B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED SEPTEMBER 1, 2021, SEPTEMBER 3, 2021, AND SEPTEMBER 17, 2021 NECESSARY PAYMENTS THROUGH SEPTEMBER 17, 2021 (pg. 37)

Microsoft Teams Access Information
Silicon Valley Clean Water
Regular Meeting
Monday, October 18, 2021

WEBSITE: [Link to access meeting](#)

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGZINThhYjYtMGVhZi00YzcxLTg1NGYtZmM3YTUzYjY3MmJI%40thread.v2/0?context=%7b%22Tid%22%3a%22367d8884-f533-4449-80a9-08f985d4d99a%22%2c%22Oid%22%3a%22b9a68764-b352-45e3-bc0a-9d816fe09211%22%7d

MEETING ID: 965 853 36#

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

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 be altered 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

Healthy Habits to Help Protect Against Flu

The **single best way to reduce the risk of seasonal flu and its potentially serious complications is to get [vaccinated](#)** each year, but good health habits such as avoiding people who are sick, covering your cough and washing your hands often can help stop the spread of germs and prevent respiratory illnesses like flu. There also are [flu antiviral drugs](#) that can be used to treat and prevent flu.

The tips and resources below will help you learn about actions you can take to protect yourself and others from flu and help stop the spread of germs.

1. **Avoid close contact.**
Avoid close contact with people who are sick. When you are sick, keep your distance from others to protect them from getting sick too.
2. **Stay home when you are sick.**
If possible, stay home from work, school, and errands when you are sick. This will help prevent spreading your illness to others.
3. **Cover your mouth and nose.**
Cover your mouth and nose with a tissue when coughing or sneezing. It may prevent those around you from getting sick. Flu viruses spread mainly by droplets made when people with flu cough, sneeze or talk.
4. **Clean your hands.**
Washing your hands often will help protect you from germs. If soap and water are not available, use an alcohol-based hand rub.
 - [Handwashing: Clean Hands Save Lives](#)
Tips on hand washing and using alcohol-based hand sanitizers
5. **Avoid touching your eyes, nose or mouth.**
Germs can be spread when a person touches something that is contaminated with germs and then touches his or her eyes, nose, or mouth.
6. **Practice other good health habits.**
Clean and disinfect frequently touched surfaces at home, work or school, especially when someone is ill. Get plenty of sleep, be physically active, manage your stress, drink plenty of fluids, and eat nutritious food.

AGENDA ITEM 5B

Recurring and Upcoming 2021 Commission Actions
Updated for October 2021 Meeting

January	February	March	April
<ul style="list-style-type: none"> Review Investment Policy CIP Update (annual or biennial) 	<ul style="list-style-type: none"> Long Range Financial Plan (typically in January) 	<ul style="list-style-type: none"> Budget Workshop Line of Credit Renewal Conflict of Interest Update (due to change in Reso 77-6) 	<ul style="list-style-type: none"> Operating Budget Approval
May	June	July	August
<ul style="list-style-type: none"> Initiate Manager Performance Evaluation Review Reserve Funds Policy 	<ul style="list-style-type: none"> Approve Resolution 77-6 "Personnel Resolution" Perform Manager Evaluation 	<ul style="list-style-type: none"> Nominate Commission Chair & Vice Chair; Appoint Secretary WIFIA Agreement Review Cyber Security Presentation 	<ul style="list-style-type: none"> Conflict of Interest Update (Biennial; even-numbered years) Investment Program Status Annual Update WIFIA Agreement Approval
September	October	November	December
<ul style="list-style-type: none"> Review Debt Policy Local Limits Public Hearing 	<ul style="list-style-type: none"> Local Limits Adoption 		<ul style="list-style-type: none"> Commission Meeting schedule for following year Audited Financial Report

-  - Recurring Commission Actions
-  - Upcoming Commission Actions

AGENDA ITEM 5B2



October 13, 2021

To: SVCW Commission
From: Teresa Herrera, SVCW Manager
Subject: Consideration of Water Feature

Prior to RESCU's Front of Plant project, there were two large areas of empty land between Radio Road and the treatment plant front gate. The two areas, 10-acres and 5-acres in size respectively, were filled with recycled water for dust control. Over the years that water was maintained in these areas, domestic and migrating birds used the sites for nesting and layover stops.

In 2018, SVCW broke ground on its Front of Plant RESCU Project to provide critical infrastructure to the treatment conveyance and treatment facility. To enable construction to begin, the 10-acre area and 5-acre area north of the FoP site was dewatered and lime stabilized to create a strong working surface. SVCW's Environmental Impact Report (EIR) noted that the "pond" areas would be filled in with soil and no longer available for birds. Since these areas were discretionary, the EIR analysis did not result in any mitigation measure requirements. In conversations with the local chapter of the Audubon Society in 2017, SVCW did suggest the possibility that other areas near the treatment plant could be explored for use by domestic and migrating birds. However, no specific commitment was made to provide an area for this use.


Staff explored possible locations that would not inhibit future infrastructure needs of the agency. The only potentially feasible area close to the treatment plant was one to the southwest side of Radio Road behind the "Shores Dog Park". The land is not owned by SVCW, it is owned by the State Lands Commission of California (State Lands) and managed by California Department of Fish and Wildlife (CDFW). In June 2018, staff submitted a report to State Lands requesting input on the feasibility of such a water feature improvement to the area. To date, staff has not received response from State Lands nor CDFW.

Staff seeks direction from the Commission regarding pursuit of the water feature with State Lands. The cost for improving the area was estimated at \$3.8 million in 2018. In today's dollars, the estimated construction cost would increase to approximately \$4.2 million. There is no allocated budget for the necessary capital improvements nor ongoing operational costs. There is potentially grant funding available for such an endeavor though staff has not pursued any such funding mechanisms to date.

AGENDA ITEM 5C

**Silicon Valley Clean Water Authority
Cash & Investments Summary Report
August 31, 2021**

Description	Market Value	% of Total Holdings	Yield
<u>Reserve Accounts</u>			
Operating Reserve* - Securities	\$ 3,744,957	5.22%	1.02%
Operating Reserve - Money Market Fund Balance	107,909	0.15%	0.02%
CIP Reserve* - Securities	18,309,015	25.53%	1.69%
CIP Reserve - Money Market Fund Balance	471,097	0.66%	0.02%
Stage 2 Capacity Reserve* - Securities	14,429,121	20.12%	1.66%
Stage 2 Capacity Reserve - Money Market Fund Balance	592,921	0.83%	0.02%
Total Market Value: Operating and Reserve Accounts	\$ 37,655,021	52.5%	1.56%
Total Accrued Interest: Operating and Reserve Accounts	139,922		
GRAND TOTAL, RESERVE ACCOUNTS	\$ 37,794,943		
<u>Trustee Accounts:</u>			
2018 Project Fund Account - CAMP	\$ 11,315,847	15.78%	0.05%
2018 Revenue Account	5,042	0.01%	0.01%
2019A Notes WIFIA - Money Market Fund	1,580,184	2.20%	0.01%
2019A Capitalized Interest Account* - Securities	15,762,186	21.98%	2.13%
2019A Capitalized Interest Account - Money Market Fund	3,148,913	4.39%	0.01%
2021 Cost of Issuance Account	61,195	0.09%	0.01%
Total Market Value, Trustee Accounts	\$ 31,873,368	44.45%	1.07%
Accrued Interest:	546		
Operating Cash (includes outstanding checks)	1,973,355	2.75%	0.00%
Local Agency Investment Funds (LAIF) Balance	210,300	0.29%	0.22%
Total Cash & Investments	\$ 71,852,512	100.00%	1.30%


Matthew P Anderson
Chief Financial Officer / Assistant Manager

9/16/2021

Date

* Monthly report of security transactions and interest available upon request

Silicon Valley Clean Water
Operating and Reserve Funds - Sector Allocation & Compliance August 31, 2021

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	\$ 1,318,583	\$ 7,587,641	\$ 6,136,586	\$ 15,042,809	40%	100%	✓	0.9%
Supranationals	357,009	-	-	357,009	1%	15%	✓	(0.1%)
Federal Agency/GSE	1,005,975	2,689,347	1,966,338	5,661,660	15%	100%	✓	(2.0%)
Federal Agency CMO	-	2,030,100	1,458,803	3,488,902	9%	100%	✓	(0.7%)
Federal Agency MBS	-	1,164,828	1,048,872	2,213,700	6%	100%	✓	0.9%
Municipal	-	922,148	746,793	1,668,941	4%	30%	✓	(0.6%)
Corporate Notes	687,930	3,500,208	2,756,919	6,945,057	18%	30%	✓	0.4%
Asset-Backed Securities	375,460	414,744	314,811	1,105,015	3%	10%	✓	(0.1%)
Securities Sub-Total	3,744,957	18,309,015	14,429,121	36,483,094	97%			
Accrued Interest	13,136	75,325	51,461	139,922				
Securities Total	3,758,093	18,384,340	14,480,582	36,623,016				
Money Market Fund	107,909	471,097	592,921	1,171,927	3%	20%	✓	1.1%
Total Investments	\$ 3,866,002	\$ 18,855,438	\$ 15,073,503	\$ 37,794,943	100%			
<i>As % of 6/30/22 Target:</i>	<i>101%</i>	<i>91%</i>	<i>100%</i>	<i>96%</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 and 2019A bond 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 bond 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: SEPTEMBER 2021
CAPITAL IMPROVEMENT PROGRAM**

UPCOMING COMMISSION ACTIONS:

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

SVCW has awarded progressive design build contracts to Barnard Bessac Joint Venture for the Gravity Pipeline (GP) Project and Shea Parsons Joint Venture (SPJV) 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.

All three projects are in their construction phases; refer to Commission Item 5F for status updates.

The Front of Plant project includes construction of an influent connector pipe that will connect the headworks to the existing influent box at the treatment plant. Recent inspection of the connection location has shown that the existing piping that distributes flow to each of the four primary sedimentation tanks has significant corrosion. A design has been developed to repair this pipeline, and pricing has been requested by SPJV for construction of the repair.

Planned Commission Actions: Approval of Contract Change Order for Influent Pipe Repair – November 2021

Laboratory Building HVAC (9251): Replace HVAC system serving Laboratory Building.

The HVAC system serving the Laboratory is original (circa 1991) and is past its useful life. Maintenance on the system is no longer possible. A new system was designed and construction is in progress.

Planned Commission Actions: Acceptance of Construction Project – January 2022

Return Activated Sludge (RAS) Pipeline Rehabilitation (9120): Rehabilitation of RAS pipeline.

The RAS pipes, connecting the secondary clarifiers to the six RAS pumps in the pump room, are steel pipes with cement mortar lining and were constructed more than 40 years ago. Various condition assessment reports indicate that these pipes have experienced corrosive effects and have lost 10% to 30% pipe wall thickness. Kennedy Jenks is currently designing the rehabilitation of the pipeline. The bidding process is expected to start in January 2022.

Planned Commission Actions: Award Construction Contract – March 2022

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

This project includes repair of coatings and structural elements in Digester #1. The design of the project is being completed by Kennedy/ Jenks and the bidding process is expected to start in January of 2022.

Planned Commission Actions: Award Construction Contract – March 2022

ONGOING PROJECTS IN CONSTRUCTION:

CCT Valve Replacement (9107): Rehabilitation of Chlorine Contact Tank

Recoating of concrete surfaces in all three passes of the chlorine Contact Tank, replacement of valves and piping.

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 of new treatment system in conjunction with Stanford University

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

Generator Feed Relocation (9240): Provide new generator feed and transformer.

Relocation of the feed and new transformer will enable SVCW's existing backup generators to be used for the Front of Plant headworks facility. This project will use existing infrastructure, saving significant costs.

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

Recoating concrete surfaces in Primary Sedimentation Tanks 3 and 4, in Primary Influent Channel, and Primary Effluent Channel. Work needs to ensure continued treatment in other tanks and channel. Hatches on the deck above the tanks are aluminum and significant corrosion is visible; the hatches will be replaced with FRP (fiberglass reinforced plastic) hatches.

AGENDA ITEM 5E

Silicon Valley Clean Water
Commissioners' Requested Action Items

OCTOBER 18, 2021
AGENDA ITEM 5E

Updated: 10/11/2021

Commission Meeting Date		Action Item	Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
9/20/2021	1	Financial Information / Notes Issuance	N/A			✓	9/20/2021	Commission request powerpoint slides re: Notes Issuance. Slides sent to Commission and member agency finance staff.
	2	Meeting Log-in	10/18/2021			✓	10/11/2021	Spell out URL for Commission meeting log-in. Note that the URL is very long but it is now included in the agenda packet. Note also that logging in can be accomplished easily via the SVCW website.
8/16/2021	1	Investment Reports	next qrtly report		✓			Back out PFM Fees from total return values.
7/16/2021	1	Cyber-Security Training	N/A		✓			Fake phishing emails to workgroup; report out on progress and % of effectiveness
	2	Recycled Water Expansion	8/16/2021			✓		Presentation made to Commission at August meeting. As information changes, updates will be provided.
6/21/2021	1	No Action Items						
5/17/2021	1	CWEA Plant of the Year Award - Public Info	6/21/2021			✓	6/20/2021	Public info "blast" out on award(s) received have and are occurring
	2	Gravity Pipeline project - San Carlos Shaft	N/A		✓			if a source for ammonia becomes known, report out to Commission
4/19/2021	1	Schedule Performance Index for RESCU FoP	5/17/2021			✓	5/17/2021	SPI increased for April due to delivery and payment of large equipment items. SPI now at 0.95
3/15/2021	1	No Action Items						
2/22/2021	1	Staff Re-Organization	2/26/2021			✓	2/22/2021	Send new organization chart to commissioners
1/25/2021	1	Air Permit Excursion	N/A		✓			Inform Commission if the natural gas excursion on Cogen Engines result in a fine from BAAQMD. None as of this update.
12/14/2020	1	2021 Commission Meeting Dates	12/14/2020			✓	12/14/2020	Confirm dates for Commission meetings in 2021. Done at 12/14 meeting. Three Special meetings scheduled due to holidays.
	2	Project Changes/Commission Notification	N/A	✓				Ensure Commission is kept apprised of possible/potential project cost and/or schedule increases.
11/16/2020	1	Muck Disposal	N/A	✓				Report monthly on availability and cost for muck disposal for Gravity Pipeline project. Updates provided in monthly RESCU reports, Item 5F on Commission agendas.

Silicon Valley Clean Water
Commissioners' Requested Action Items

OCTOBER 18, 2021
AGENDA ITEM 5E

Updated: 10/11/2021

Commission Meeting Date	Action Item		Requested or Estimated Date for Completion	Status			Date of Completion	Notes
				Ongoing	In Progress	Complete		
> One Year	1	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 meet with member agencies for consensus.
	2	Project delay costs	N/A	✓			Ongoing	Inform Commission of any potential delays that could add time and costs to projects they have authorized.
	3	Maple Street Development	N/A	✓				SVCW and RWC staff coordinating efforts and messages to developer to protect mutual and exclusive interests.
	4	Connection Fees	NA		✓			Additional plant capacity evaluation is underway to ensure proper flow numbers are used in the calculations. Will be incorporated into upcoming JPA changes.
	5	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.
	6	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

Overview



RESCU Program describes eleven projects which constitute full replacement and rehabilitation of SVCW's conveyance system. RESCU includes the Gravity Pipeline, Front of Plant, Pump Stations, and Belmont Force Main projects. The Front of Plant includes six 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

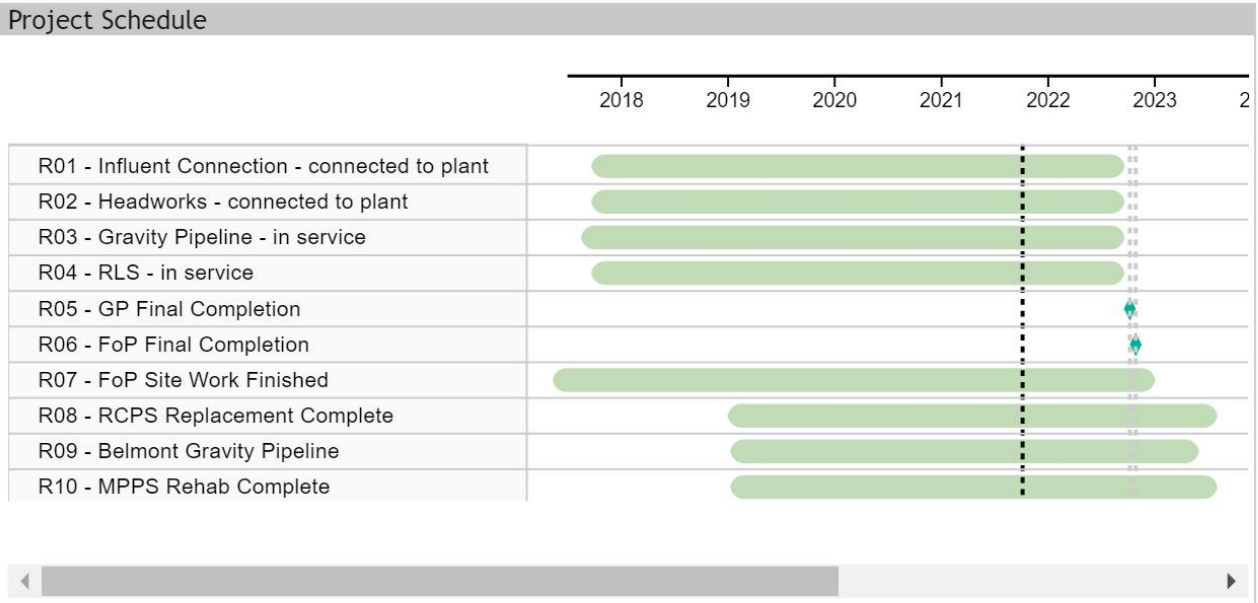
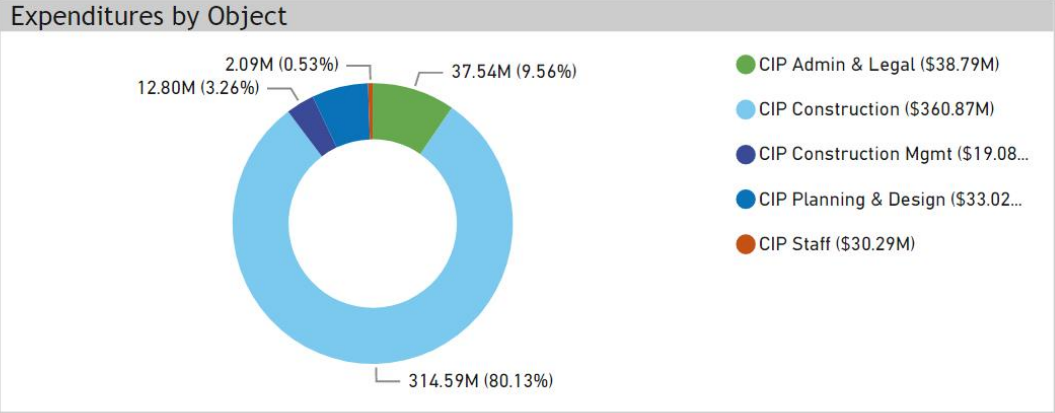
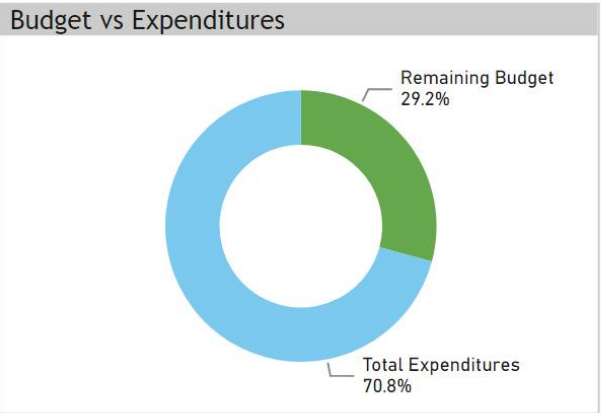
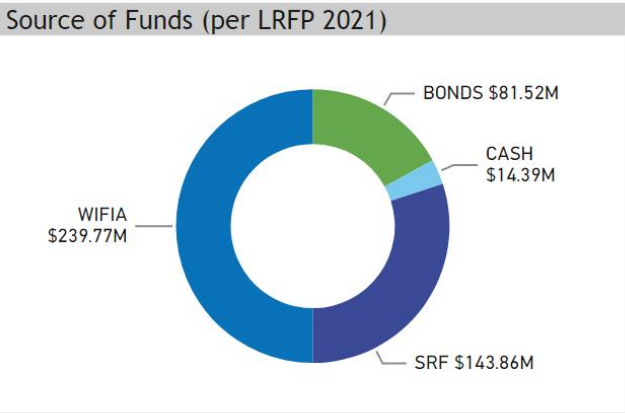
\$554.36M

Total Expenditure

\$392.60M

Remaining Budget

\$161.76M



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

\$161.95M

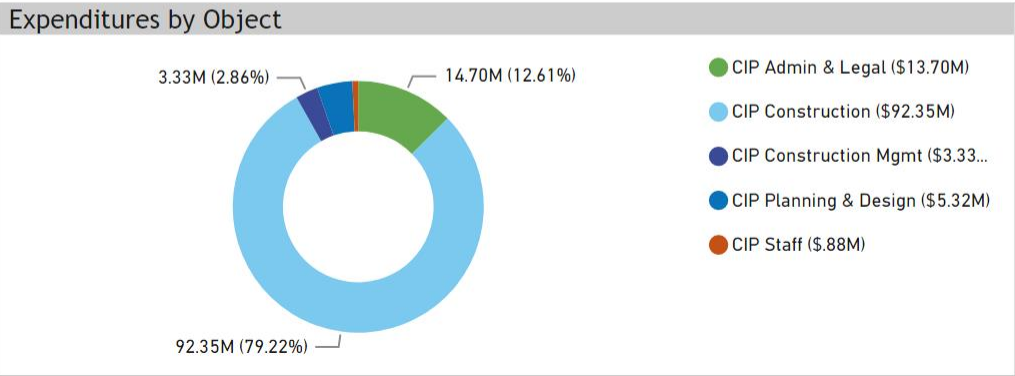
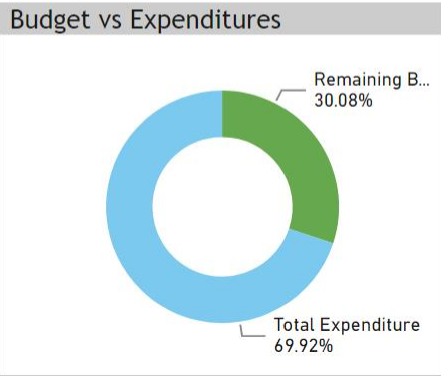
Total Expenditure

\$113.24M

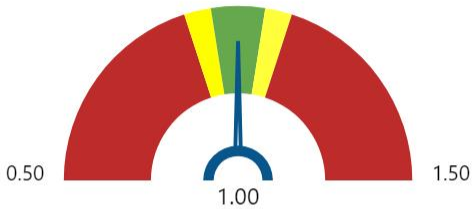
Remaining Budget

\$48.71M

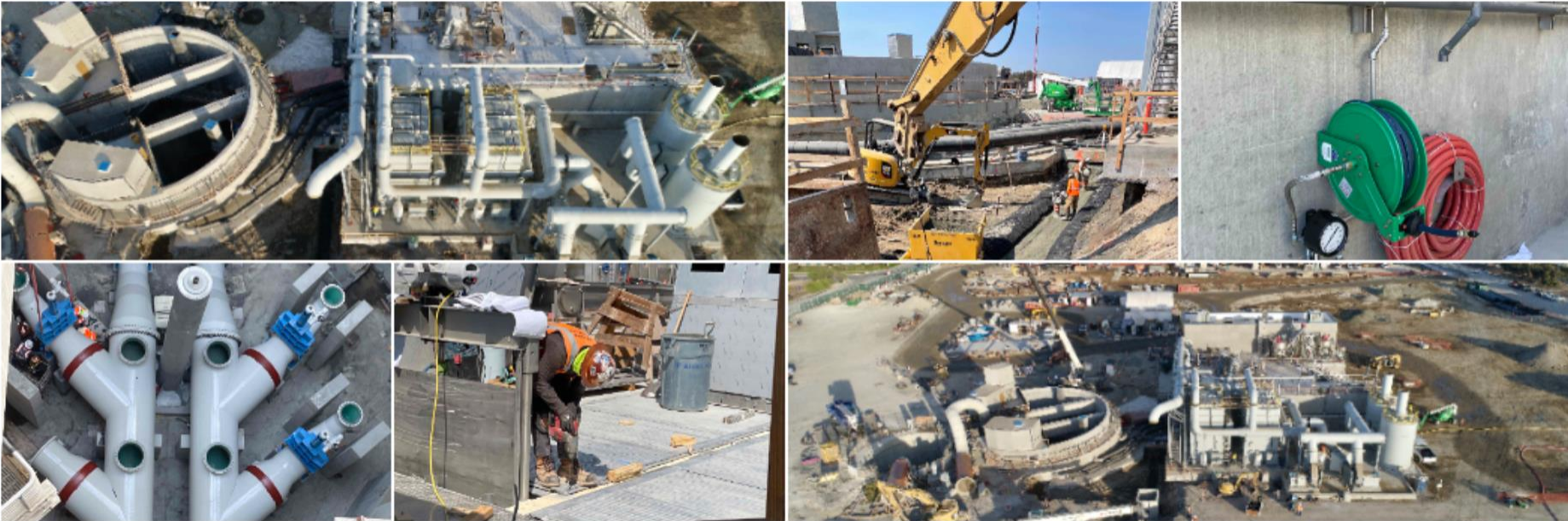
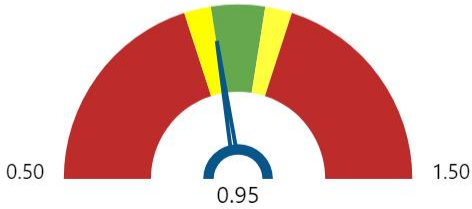
Milestone Schedule		
	Start	Finish
Interconnection Pipe Completed	7/24/2020	4/13/2022
Headworks Facility Completed	12/6/2018	11/5/2021
SFS/RLS Completed	12/6/2018	7/1/2022
Substantial Completion		9/30/2022



Cost Performance Index (CPI)



Schedule Performance Index (SPI)





Major Accomplishments this Period

Construction	<ul style="list-style-type: none">- SPJV completed the installation of ducting for the RLS HVAC system.- SPJV installed rebar, formwork and place concrete for the various mechanical supports on the RLS Base Slab.- SPJV installed the manifold header and the 42" RLS Manifold slidegate reducer sections.- SPJV anchored the aluminum headworks channel covers in place.- SPJV excavated, installed and tested pipe for the Redwood Shores Force Main flow meter vault and new HDPE alignment that will connect to the Headworks Facility influent channel.
Design	<ul style="list-style-type: none">- SPJV is working with CID and O&M to further develop control strategies.- SPJV is working on refining the third draft of the start-up and testing plan.
Procurement of Trade Packages	<ul style="list-style-type: none">- WIFIA and SRF requirements compliance for trade packages issued.- All major headworks equipment is onsite.- RLS manifold piping arrived onsite.

3 - Month Look Ahead

	Start	End	October	November	December
Form/Set Rebar/Place Concrete for Precast RLS Roof Sections	March 15, 2021	October 15, 2021	X		
Install RLS Manifold Piping and Valves from SFS Wall Connections to Pumps	July 14, 2021	November 5, 2021	X	X	
Excavate/Grade/install flow meter for new 18" RFSM to Influent Mix Box	September 2, 2021	October 8, 2021	X		
Install SFS Second Pass Walls	November 16, 2021	March 14, 2022		X	X
Excavate Utilidor and place Pre-Cast Trench Boxes	October 1, 2020	November 15, 2021	X	X	
Install conduit, wire and electrical devices to major equipment at the Headworks Facility	July 1, 2021	November 3, 2021	X	X	

Potential Issues

Influent pipeline repair - Carbon fiber wrap repair inside of pipe to address internal corrosion. This will also provide structural integrity of pipe.
Intrinsically Safe Relay Panel
Plant water pipeline size upgrade and related fixtures
Utilidor extension for piping

Project Changes

Change order for odor control system
Change order for relocating potable water line and Air Gap Tank Facility
Credit for deletion of 48" bypass from 54" force main
Credit for the deletion of the chemical storage system
Electrical System
New County/Local Sales Tax
Project Management past December 2021

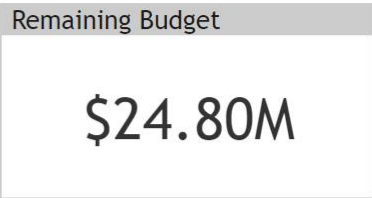
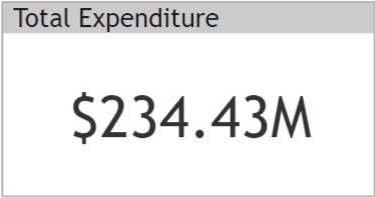
Safety Spot Light

Lost Time	0
Near Misses	5
Recorded Losses	2

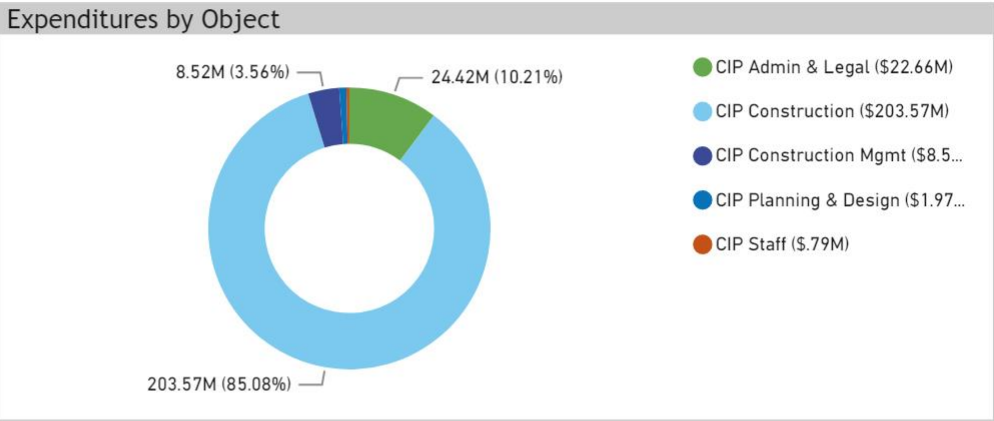
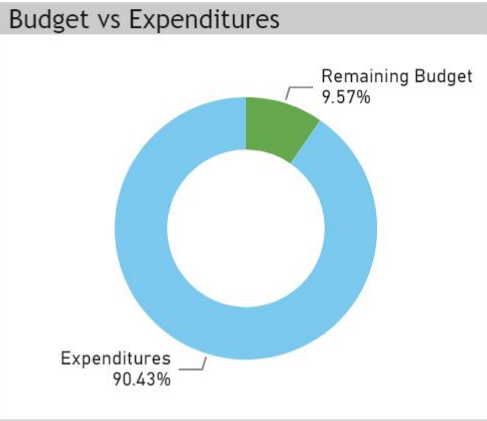
Gravity Pipeline Progressive DB Project (CIP 6008)



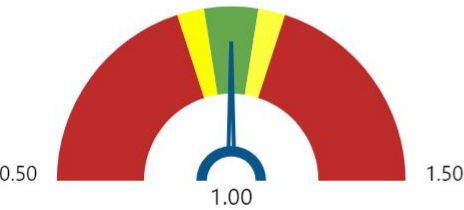
The Gravity Pipeline (GP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout of approximately 17,600 feet of wastewater gravity FRP pipe inside a concrete-segment tunnel. The work includes three shafts and will interface directly with the Front of Plant (FoP)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



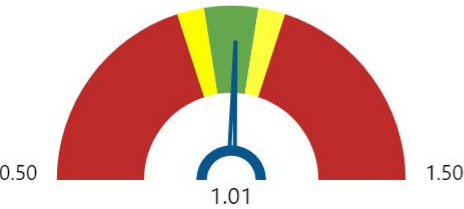
Milestone Schedule		
	Start	Finish
San Carlos Shaft and Adit Construction	2/4/2021	9/24/2021
San Carlos Inlet Structure Installation	1/5/2022	2/3/2022
Bair Island Inlet Structure Installation	3/15/2022	4/1/2022
FRP Pipe Installation	9/27/2021	1/26/2022
Substantial Completion		7/1/2022



Cost Performance Index (CPI)



Schedule Performance Index (SPI)



As of : 2021 - 10





Major Accomplishments this Period

▼	
Construction	- BBJV began pipe jacking the San Carlos adit - BBJV began pipe installation in the second drive of completed tunnel
Design	- BBJV is incorporating SVCW comments into the Issued-for-Construction (IFC) design drawings for San Carlos and Bair Island connection piping.
Muck Disposal	- 76% of Muck Disposal Amendment spent - 24% of Muck Disposal Amendment remaining - Last Muck bin offhaul and San Carlos Adit spoils remaining
Procurement of Trade Packages	- FRP Pipe Cell Grout contract execution in progress - Outreach in conformance with SRF and WIFIA funding requirements

3 - Month Look Ahead

	Start	End	October	November	December
FRP Pipe Installation	September 27, 2021	January 26, 2022	X	X	X
FRP Annular Space Grouting	November 1, 2021	February 23, 2022	X	X	X

Potential Issues

Additional costs for SFS Break-in approach
San Carlos and Bair Island Connecting Piping

Project Changes

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
San Carlos Adit Ammonia Mitigation
San Carlos Shaft Ammonia Mitigation
Soil Conditioner Leak at CPT Hole STA 171 + 80

Safety Spot Light

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

\$119.68M

Total Expenditure

\$50.46M

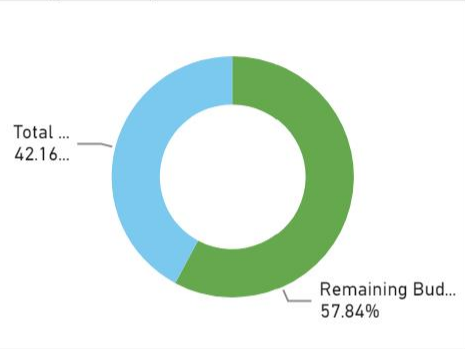
Remaining Budget

\$69.22M

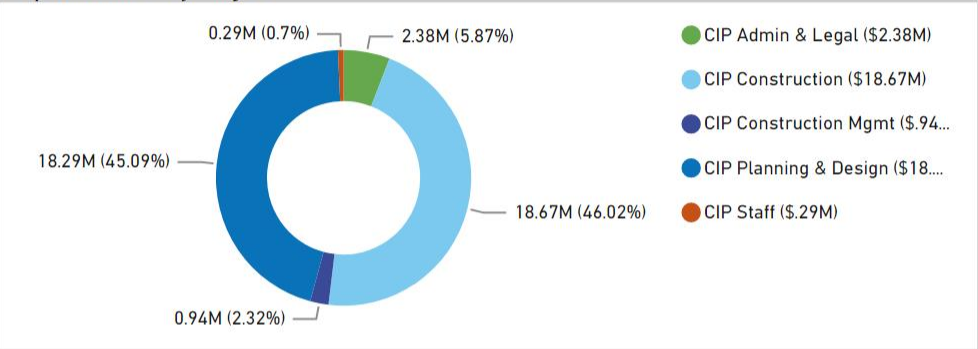
Milestone Schedule

	Start	Finish
MPPS - B-side Pumps Completed		8/24/2022
MPPS - A-side Pumps Completed		2/11/2023
MPPS - Segment 1 and 2 CARVs Completed		2/4/2022
BGP - Gravity Pipe Installed		12/13/2022
RCPS - PG&E Service Work		8/29/2022
RCPS - Electrical Building Completed		11/15/2022
RCPS - Wet Well & Screening Building Completed		2/8/2023

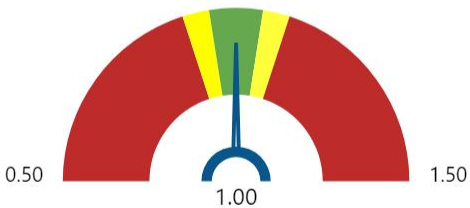
Budget vs Expenditures



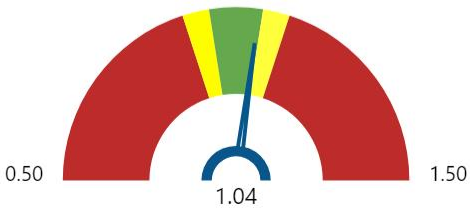
Expenditures by Object



Cost Performance Index (CPI)



Schedule Performance Index (SPI)



As of : 2021 - 10



Pump Stations (CIP 9501)



Major Accomplishments this Period

Construction	<ul style="list-style-type: none"> - BGP: PEC finished installing walers and excavating for RS-4 and Open Cut. PEC replaced the 27-inch sewer line in JS-1 and prepared to install 36-inch HOBAS pipe in that shaft. Vadnais demobilized from JS-1 and mobilized at JS-2. - RCPS: Continued constructing CMU walls for the electrical building and restroom. Installed rebar and placed concrete for the wet well and screening structure footing. - MPPS: Placed new back-up generator. Began roof retrofit work.
Design	- Design related to the SCPS declassification is ongoing.

Potential Issues

Challenges from permitting and land acquisition conditions at RCPS

3 - Month Look Ahead

	Start	End	October	November	December
MPPS - PG&E Design and Construction	August 26, 2020	February 24, 2022	X	X	X
MPPS - Segment 1 and 2 CARVs	October 26, 2021	February 4, 2022	X	X	X
MPPS - Building/Roof Improvements	August 30, 2021	October 31, 2021	X		
MPPS - Electrical Room Improvements	August 2, 2021	November 28, 2022	X	X	
BGP - Construct Open Cut	August 19, 2021	November 30, 2021	X	X	
BGP - Microtunnel JS-2 to RS-1	September 15, 2021	November 4, 2021	X	X	
BGP - Install Microtunnel JS-2 to RS-2	November 5, 2021	November 19, 2021		X	
BGP - Demobilize Microtunnel Subcontractor	November 22, 2021	December 7, 2021		X	X
BGP - Backfill and Remove Shoring at JS-1	September 15, 2021	November 5, 2021	X	X	
BGP - Backfill and Remove Shoring at RS-1	November 8, 2021	December 21, 2021		X	X
BGP - Backfill and Remove Shoring at JS-2	December 22, 2021	January 31, 2022			X
RCPS - Wet Well & Screening Building Excavation and Backfill	July 27, 2021	June 24, 2022	X	X	X
RCPS - Wet Well and Screening Building Structural Concrete	August 31, 2021	August 10, 2022	X	X	X

Project Changes

BGP Design Development
Segment 1 Force Main Junction Box Repairs
Stage 2 Baseline Schedule Revision

Safety Spot Light

Lost Time	0
Near Misses	0
Recorded Losses	0

AGENDA ITEM 7A

**MINUTES OF SILICON VALLEY CLEAN WATER
REGULAR MEETING – September 20, 2021
8:00 a.m.**

**This meeting took place remotely pursuant to
SVCW Resolution No. 20-08 due to coronavirus pandemic**

ITEM 1

CALL TO ORDER

The meeting was called to order at 8:00 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

Staff, Consultants and Visitors Present

Teresa A. Herrera, SVCW Manager
Christine C. Fitzgerald, SVCW Legal Counsel
Jennifer Flick, SVCW Human Resources Director
Matt Anderson, SVCW Chief Financial Officer/Assistant Manager
Monte Hamamoto, SVCW Chief Operating Officer
Kim Hackett, SVCW Authority Engineer
Arvind Akela, SVCW Engineering Director
Ben Padua Jr, SVCW Environmental Director
Jessica Mangual, SVCW Secretary Pro Tem
Bill Tanner, Tanner Pacific
Mark Minkowski, Kennedy Jenks
Sheryl Chia, Kennedy Jenks
Sergio Ramirez, West Bay Sanitary District
EJ Shalaby, DNS Strategic Partners
Jim Lewis, Member of the Public

ITEM 3

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was recited by those in attendance

ITEM 4

PUBLIC COMMENT

There was no Public Comment

Prior to moving into Reports, Motion was made to add urgency item under the Brown Act (Gov't. Code §54954.2(b)(2)) upon finding that said item arose after the agenda was

posted and there is need for immediate action that cannot reasonably wait for the next regularly scheduled meeting; said motion modified Item 8D.

Motion/Second: Mr. Otte / Dr. Lieberman

The Motion carried by Unanimous Roll Call Vote

ITEM 5

SAFETY MOMENT AND REPORTS

Instructions for enabling live captioning on the remote meeting site were provided.

Item 5A Safety Moment concerned tips regarding how to improve your emotional well-being.

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

ITEM 6

MATTERS OF COMMISSION MEMBER'S INTEREST

No discussion

ITEM 7

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

- A. APPROVAL OF MINUTES – August 16, 2021 – Regular Meeting and August 17, 2021 – Special Meeting
- B. CONSIDERATION OF MOTION APPROVING CLAIMS AND CHECKS DATED AUGUST 2, 2021, AUGUST 6, 2021, AND AUGUST 20, 2021 NECESSARY PAYMENTS THROUGH AUGUST 20, 2021
- C. CONSIDERATION OF RESOLUTION APPROVING REVISIONS TO SVCW COMMISSION POLICY 2017-01, STATEMENT OF DEBT MANAGEMENT (pg. 39)

Proposed Action:

Move adoption of RESOLUTION APPROVING AND ADOPTING REVISION D TO COMMISSION POLICY 2017-01, STATEMENT OF DEBT MANAGEMENT

- D. CONSIDERATION OF RESOLUTION AND MOTION APPROVING AWARD OF CONSTRUCTION CONTRACT AND ENGINEERING SERVICES DURING CONSTRUCTION TASK ORDER FOR THE UNDERGROUND FUEL TANK REPLACEMENT PROJECT (PROJECT #0329)

Proposed Actions:

- i. Move adoption of RESOLUTION APPROVING CONSTRUCTION CONTRACT DOCUMENTS FOR UNDERGROUND FUEL TANK REPLACEMENT PROJECT (PROJECT #0329); 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 – JMB CONSTRUCTION (\$625,500)
- ii. Move approval of ENGINEERING SERVICES DURING CONSTRUCTION TASK ORDER SCOPE AND BUDGET FOR UNDERGROUND FUEL TANK REPLACEMENT PROJECT (PROJECT #0329) IN AN AMOUNT NOT TO EXCEED \$87,622 AND AUTHORIZE MANAGER TO APPROVE UP TO A TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – KENNEDY JENKS.

Motion/Second: Dr. Liberman / Mr. Otte

The Motion carried by Unanimous Roll Call Vote

ITEM 8A

CONSIDERATION OF MOTION TO HOLD PUBLIC HEARING ON MODIFICATION TO SVCW INDUSTRIAL PRETREATMENT PROGRAM

Proposed Action:

- i. OPEN PUBLIC HEARING AND RECEIVE TESTIMONY
- ii. Close Public Hearing and Move Approval AUTHORIZING SUBMISSION OF REPORT TO THE REGIONAL WATER QUALITY CONTROL BOARD OF PUBLIC COMMENTS RECEIVED REGARDING SVCW'S PROPOSED LOCAL LIMITS MODIFICATIONS

Close Public Hearing:

Motion/Second: Mr. Otte / Mr. Collins

The Motion carried by Unanimous Roll Call Vote

Proposed action:

Authorize Submission of Report to Regional Water Quality Control Board:

Motion/Second: Mr. Collins / Dr. Lieberman

The Motion carried by Unanimous Roll Call Vote

ITEM 8B

CONSIDERATION OF MOTION APPROVING BROWN AND CALDWELL TASK ORDER SCOPE AND BUDGET FOR DESIGN AND BID PERIOD SERVICES ASSOCIATED WITH THE FIXED FILM REACTORS REHABILITATION PROJECT (CIP# 9242)

Proposed Action:

Move approval of TASK ORDER SCOPE OF WORK AND BUDGET FOR PRELIMINARY DESIGN, DETAILED DESIGN, AND BID PERIOD SERVICES RELATED TO THE FFR REHABILITATION PROJECT (CIP# 9242) IN THE AMOUNT NOT TO EXCEED \$1,229,430 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – BROWN AND CALDWELL

Motion/Second: Dr. Lieberman / Mr. Otte

The Motion carried by Unanimous Roll Call Vote

ITEM 8C

CONSIDERATION OF MOTION APPROVING TANNER PACIFIC TASK ORDER AMENDMENT FOR CONSTRUCTION QUALITY ASSURANCE SERVICES ASSOCIATED WITH STAGE 2 OF GRAVITY PIPELINE PROJECT (CIP #6008)

Proposed Action:

Move approval of TASK ORDER SCOPE AND BUDGET AMENDMENT FOR CONSTRUCTION QUALITY ASSURANCE SERVICES FOR THE GRAVITY PIPELINE PROJECT STAGE 2 (CIP #6008) IN AN AMOUNT NOT TO EXCEED \$2,440,000 AND AUTHORIZE MANAGER TO APPROVE UP TO TEN PERCENT CONTINGENCY FOR ADDITIONAL WORK ON AN AS-NEEDED BASIS – TANNER PACIFIC INC.

Motion/Second: Dr. Lieberman / Mr. Collins

The Motion carried by Unanimous Roll Call Vote

ITEM 8D

CONSIDERATION OF RESOLUTION DETERMINING WHETHER A PROCLAIMED STATE OF EMERGENCY EXISTS SUCH THAT HOLDING IN PERSON MEETINGS WOULD PRESENT IMMINENT RISKS TO THE HEALTH AND SAFETY OF ATTENDEES

Proposed Action:

Move adoption of RESOLUTION 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

Motion/Second: Dr. Lieberman / Mr. Otte

The Motion carried by Unanimous Roll Call Vote

ITEM 9

No Closed Session

ITEM 10

No Closed Session items to report

ITEM 11

ADJOURN

There being no further business, the meeting adjourned at 8:47 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 August 25 – September 7, 2021 and September 8 – September 20, 2021, were scanned and a copy was emailed to Commissioners and Legal Counsel on October 11, 2021.

AGENDA ITEM 8A

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.

Because AB361 was signed into law after the posting of last month's September 20 agenda, this Commission added an urgency item to the agenda (by motion and unanimous vote) in which it considered the above requirements and made the determination to hold a remote meeting thereunder by adopting Resolution No. 21-32.

DISCUSSION

This item is for the purpose of reconsidering whether the current state of emergency 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 its first meeting 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.

Despite sustained efforts to reduce the threat of COVID-19, the underlying state of emergency proclaimed by the Governor on March 4, 2020 remains active, as well the

local emergency proclaimed by the County of San Mateo on March 11, 2020. At present, the SARS-CoV-2 B.1.617.2 (Delta) variant has been circulating throughout the County, is highly transmissible in indoor settings, and requires multi-component prevention strategies to reduce spread; despite high vaccination rates, San Mateo County is experiencing substantial levels of community transmission due to the Delta variant. While most COVID-19 cases are among unvaccinated residents, the proportion of breakthrough cases is increasing; hospitalizations have also increased, primarily among unvaccinated persons. Moreover, Cal-OSHA regulation 3205 recommends physical distancing in the workplace generally and regulates a “close contact” defined as being within 6 feet of another under certain circumstances.

For the above reasons, holding in-person meetings poses an imminent risk to attendees and staff recommends that remote meetings are presently necessary to protect the health and safety of all attendees, including SVCW staff and Commissioners.

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 8B

**SILICON VALLEY CLEAN WATER
INDUSTRIAL PRETREATMENT PROGRAM MODIFICATION - LOCAL LIMITS**ISSUE

Adopt Modification to SVCW Industrial Pretreatment Program

BACKGROUND

SVCW operates a Pretreatment Program to control discharges from non-domestic sources to the SVCW member agencies' wastewater collections systems. The Pretreatment Program aims to achieve the following objectives:

- Protect the wastewater conveyance system and wastewater treatment facilities from fire, explosion, corrosion, flow obstruction, operational difficulties, maintenance challenges, and odor releases.
- Protect the SVCW treatment processes from excessive Biochemical Oxygen Demand (BOD)/Total Suspended Solids (TSS) loading and toxic substances that can upset the biological treatment processes.
- Ensure that SVCW's discharge permit effluent limits are not violated by pollutants that interfere with the treatment processes or pass through to receiving waters.
- Protect worker health and safety at the SVCW conveyance and treatment system facilities.
- Protect biosolids quality to assure economical disposal viability.
- Protect the use of SVCW effluent for water recycling.
- Limit the release of regulated air emissions from the SVCW treatment facility.

Per Federal Regulation 40 CFR 403, SVCW is required to control the amounts of certain pollutants entering its wastewater system from industries. The common method for wastewater agencies to meet regulations is via an established Pretreatment Program. SVCW's Industrial Pretreatment Program is codified in its document titled "Regulations of the Silicon Valley Clean Water Establishing Uniform Standards, Conditions and Requirements for the Use of the Sanitary Sewerage Facilities of Said Authority and its Member Agencies" ("Regulations"). SVCW controls discharges from non-domestic sources by establishing numeric limits on certain pollutants and these "local limits" are listed in Sections 2.3-2.5 of the Regulations. Local Limits are required to be periodically reviewed and updated if needed. The Regulations were last amended in 2005 and a technically-based local limits analysis has not been completed since 1990.

SVCW's service area has changed significantly since 1990 with regards to industrial dischargers and wastewater characteristics. Many of the area's metal plating businesses and computer chip manufacturers have closed or relocated out of the area. The industrial flow to SVCW was 1.38 million gallons per day ("MGD") in 1990. In 2017 the industrial flow had dropped to 0.23 MGD. This dramatic change in industrial flow and loading to the SVCW treatment facility prompted the San Francisco Regional Water Quality Control Board (Regional Board) to require a re-evaluation and update to the SVCW Local Limits.

In early 2018, the Regional Board adopted a renewed National Pollutant Discharge Elimination System (NPDES) Permit for SVCW. Special Provision VI.C.4.a.iv of the NPDES Permit required SVCW to evaluate the need to revise its Local Limits and submit a report within 180 days of the NPDES Permit effective date of April 1, 2018. SVCW submitted a local limits analysis plan and schedule to the Regional Board in September 2018 that committed to submitting a local limits analysis report by May 2019. Subsequent correspondence with Regional Board staff concluded with an August 2019 final report submittal.

SVCW commissioned West Yost Associates to perform the required technical study and develop updated Local Limits. In accordance with 40 CFR 403.18, SVCW submitted a request to the Regional Board on August 29, 2019 for approval of a substantial modification to SVCW's Regulations' Local Limits.

DISCUSSION

In July 2021, SVCW received the Regional Board's Local Limits Verification Report conditionally approving the proposed Local Limits submitted in August 2019. New numerical limits for chromium and copper are included and numerical limits for carbon disulfide, phenolic compounds, and polycyclic aromatics hydrocarbons were removed. On September 20, 2021 the Commission held a public hearing for the purpose of receiving testimony regarding this substantial modification, which was publicly noticed in a newspaper of general circulation (San Mateo Times) on August 26 and September 2, 2021. In accordance with Federal regulations, notice of the public hearing and 30-day comment period was also given to certain designated federal agencies (U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, National Marine Fisheries Service), as well as to SVCW's member agencies.

At the September 20 public hearing, no comments were received and the Commission authorized submittal of the SVCW's proposed modifications to the Regional Board for final approval. Thereafter, the public comment period ended on September 25 and no comments were received. Two questions arose during the comment period which were clarification questions only and were sufficiently answered. A report to the Regional Board that no comments were received has been submitted. Subsequent to adoption, this substantial modification to the Regulations will be reflected and incorporated into SVCW's NPDES permit.

The Regulations' substantial modification consists of updating the maximum allowable industrial loadings ("MAIL") and uniform concentration-based local limits for all the pollutants of concern. The proposed modification also includes adoption of selenium, chemical biochemical oxygen demand (cBOD), total dissolved solids (TDS), and electrical conductivity to SVCW's Local Limits. The changes are summarized in the attached tables.

This agenda item recommends adopting the SVCW Local Limits and modifications to its Pretreatment Program.

FINANCES

Modification of the Local Limits has no financial impact to SVCW and are anticipated to have little to no financial impact to local industrial dischargers.

RECOMMENDATION

Approve RESOLUTION ADOPTING MODIFICATIONS TO REGULATIONS OF THE SILICON VALLEY CLEAN WATER ESTABLISHING UNIFORM STANDARDS, CONDITIONS AND REQUIREMENTS FOR THE USE OF THE SANITARY SEWERAGE FACILITIES OF SAID AUTHORITY AND ITS MEMBER AGENCIES

Existing and Proposed Local Limits for Silicon Valley Clean Water

Wastewater Strength Limitations/Waste Prohibitions		
Analyte	Existing Value (mg/L)	Proposed Value (mg/L)
Arsenic	0.1	0.27
Cadmium	0.04	0.13
Chromium (Total)	0.2	3.3
Copper	0.2	2.3
Lead	0.2	1.2
Mercury	0.002	0.00097
Nickel	0.06	0.17
Selenium	---	0.098
Silver	0.1	0.44
Zinc	1.0	6.5
Phenolic Compounds	2.6	<i>remove</i>
PAHs	0.2	<i>remove</i>
Benzene	0.002	0.86
Carbon Tetrachloride	0.001	0.043
Chloroform	0.03	1.2
Cyanide	0.06	0.17
Methylene Chloride	0.07	23
Tetrachloroethene (Perchloroethylene)	0.03	0.15
Carbon Disulfide	0.008	<i>remove</i>
cBOD	---	2,000
TDS	---	3,600
Electrical Conductivity	---	1,800 uS/cm
Temperature	150	150
Oil and Grease (Animal/Vegetable)	300	300
Oil and Grease (Mineral/Petroleum)	100	300
pH	6.0	6.0-11.0

Maximum Allowable Industrial Loadings (MAILs)		
Analyte	Existing Value (lbs/day)	Proposed Value (lbs/day)
Arsenic	11.4	2.9
Cadmium	6.11	1.4
Chromium (Total)	31.3	36
Copper	19.9	25
Lead	22.7	13
Mercury	0.915	0.011
Nickel	6.82	1.8
Selenium	---	1.1
Silver	12.5	4.8
Zinc	113.0	71
Phenolic Compounds	385.0	<i>remove</i>
PAHs	15.2	<i>remove</i>
Benzene	---	9.3

Carbon Tetrachloride	---	0.46
Chloroform	---	13
Cyanide	---	1.8
Methylene Chloride	---	254
Tetrachloroethene (Perchloroethylene)	---	1.6
cBOD	---	21,700
TDS	---	39,000
Electrical Conductivity	---	20