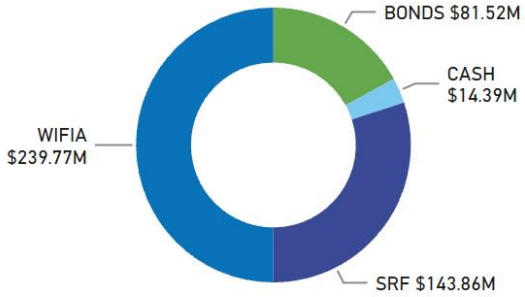
Overview

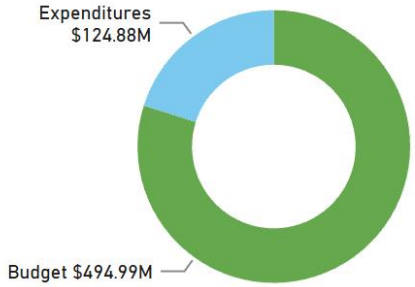
RESCU Program describes eleven projects which constitute full replacement and rehabilitation of SVCW's conveyance system. RESCU includes the Gravity Pipeline, Front of Plant, Pump Stations, and Belmont Force Main projects. The Front of Plant includes six and Pump Stations includes four of the eleven 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	Total Expenditure	Remaining Budget
$494.99M	$124.88M	$370.11M

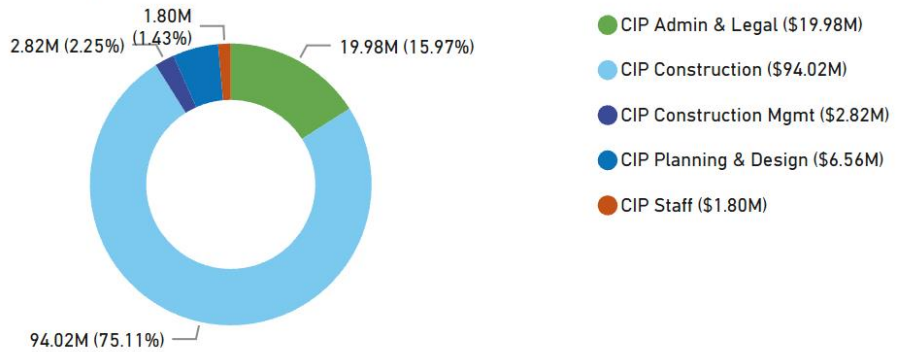
Source of Funds (per LRFP 2019)



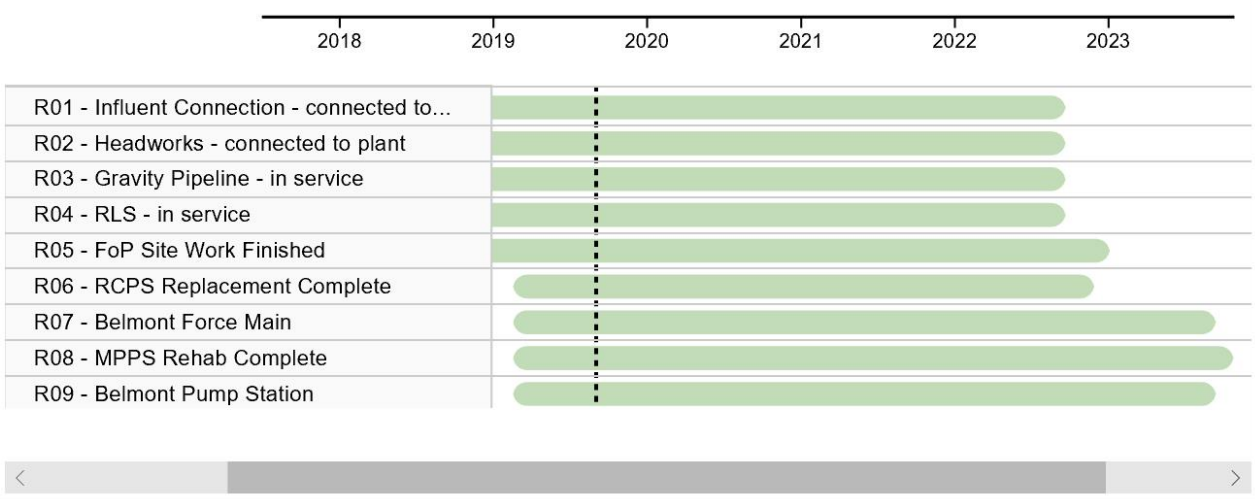
Budget vs Expenditures



Expenditures by Object



Project Schedule



As of : 2019 - 09

AGENDA ITEM 5F

Front of Plant Progressive DB Project

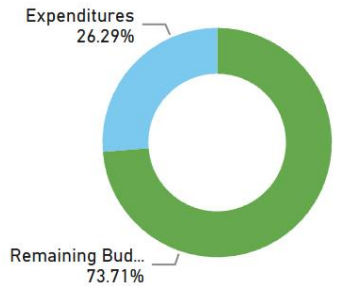
The Front of Plant (FoP) Project consists of the design, construction, permitting, start-up, commissioning, and final acceptance for the Receiving Lift Station (RLS), Surge and Flow Splitter (SFS), Headworks Facility, Odor Control Facilities, Influent Connector Pipe, Storage and Chemical Offload Facilities,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

Available Budget	Total Expenditure	Remaining Budget
$137.81M	$49.14M	$88.66M

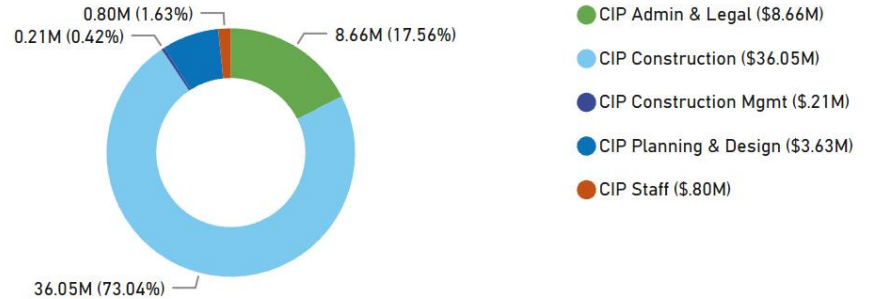
Milestone Schedule

	Start	Finish
95 Percent (%) Design Documents	12/6/2018	7/31/2019
Stage 2C - RLS Shaft Construction	10/11/2018	2/25/2020
Headworks Completed/Early Start-Up	12/6/2018	10/24/2021
SFS/RLS Operational	12/6/2018	8/28/2022
Stage 2D - Balance of Stage 2 Work Final Completion	12/6/2018	10/20/2022

Budget vs Expenditures



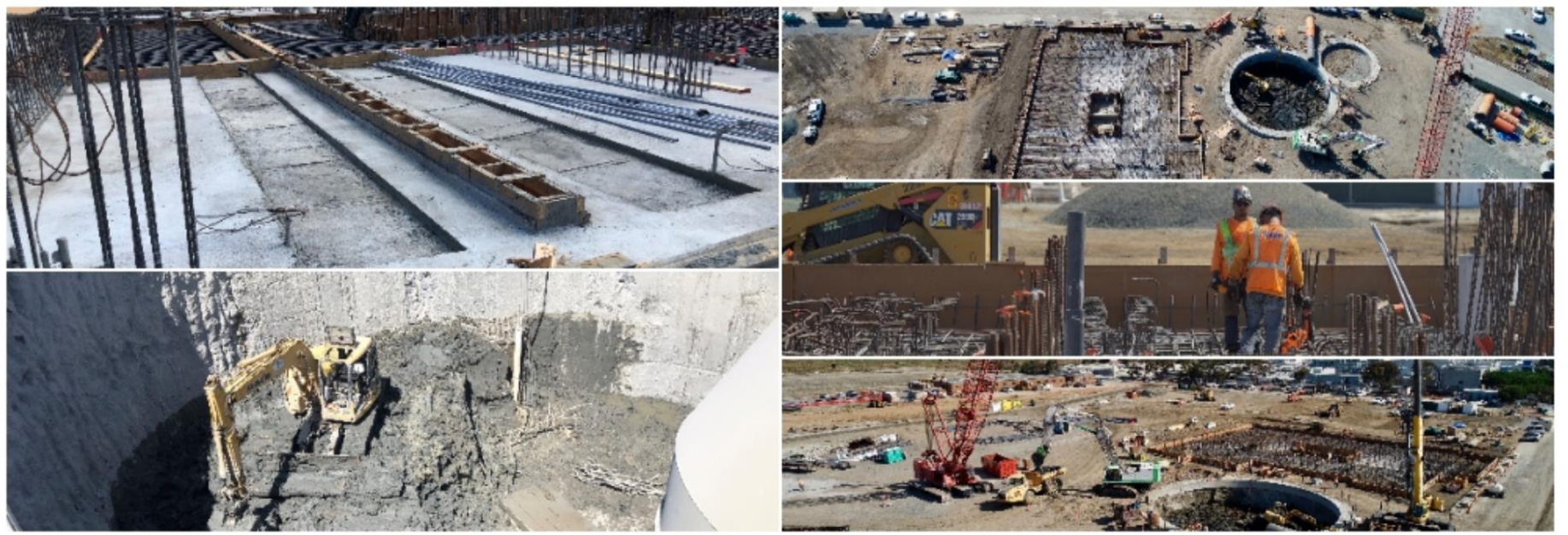
Expenditures by Object



27.70%
% Complete

25.79%
% Expenditures

As of : 2019 - 09



Front of Plant Progressive DB Project

Major Accomplishments this Period

Design	- SPJV distributed the 95% design package for SVCW's review. - Held a 95% design review meeting to discuss comments - Continued development of the odor control system as it relates to the FoP control narratives
Procurement of Trade Packages	- SPJV submitted the headcell grit classifer submittal for review. - SPJV is finalizing submittals of major equipment (slide gates, screenings, pumps, elevator, jib crane, VFDs, piping) with preferred manufacturers for submission - WIFIA and SRF requirements for trade packages are in progress - SPJV executed contracts with multiple subcontractors for upcoming work
Construction	- Completed the installation of formwork/rebar and installed grounding and in-slab conduits for the Headworks Facility base slab - Excavated 30-feet of the RLS

Potential Issues

Change order for odor control system.
Credit for the deletion of the chemical storage system.
New County Sales Tax

3 - Month Look Ahead

	Start	End	September	October	November
Installation of Elevation 115' Walls	October 3, 2019	December 13, 2019		X	X
Installation of the Elevation 106' Base Slab of the Headworks Facility	August 8, 2019	October 7, 2019	X	X	
RLS and SFS Excavation Work	July 22, 2019	January 17, 2020	X	X	X

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

As of : 2019 - 09

Gravity Pipeline Progressive DB Project

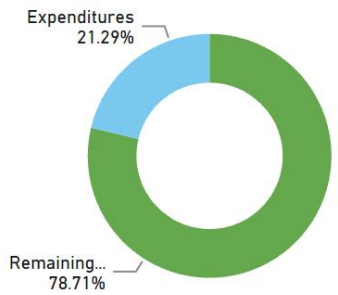
The Gravity Pipeline (GP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout of approximately 17,600 feet of wastewater gravity FRP pipe inside a concrete-segment tunnel. The work includes three shafts and will interface directly with the Front of Plant (FoP)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

Available Budget	Total Expenditure	Remaining Budget
$253.25M	$68.51M	$184.74M

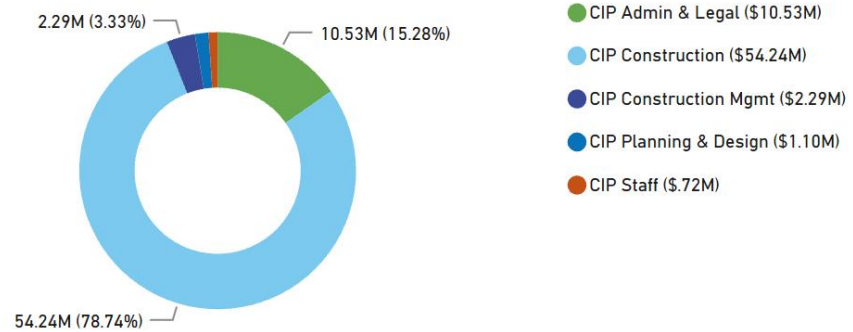
Milestone Schedule

	Start	Finish
100% Design Documents		2/6/2020
Bair Island Shaft Construction	6/24/2019	1/31/2020
TBM Drive (AAS to Bair Island)	9/9/2019	5/27/2020
San Carlos Shaft Construction	9/21/2020	1/25/2022
TBM Drive (AAS to SFS)	8/26/2020	10/11/2021
FRP Pipe Installation	7/23/2021	5/9/2022
Final Commissioning		7/1/2022

Budget vs Expenditures



Expenditures by Object



24.70%
% Complete

23.78%
% Expenditures

As of : 2019 - 09

Gravity Pipeline Progressive DB Project

Major Accomplishments this Period

Design	- Issued for Construction Specfications under development - Continued coordination with Pump Stations Improvement project and Operations & Maintenance for San Carlos inlet connection - FRP pipe design under development
Procurement of Trade Packages	- FRP pipe contract executed. - Outreach in conformance with SRF and WIFIA funding requirements
Construction	-BBJV completed construction on the Bair Island road - BBJV continues assembling the TBM in the Airport Access Shaft - Blue Iron began driving sheet piles for the Bair Island Shaft

Potential Issues

County Permits and Easements.
New County Sales Tax

3 - Month Look Ahead

	Start	End	September	October	November
100% Design Completion	August 10, 2018	February 6, 2020	X	X	X
Assemble TBM	June 25, 2019	September 9, 2019	X		
Bair Island Shaft Construction	June 24, 2019	April 1, 2020	X	X	X
Launch TBM for Bair Island Drive	September 25, 2019	May 27, 2020	X	X	X

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

As of : 2019 - 09

Pump Stations

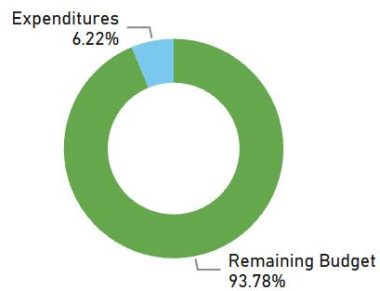
All SVCW pump stations require replacement or rehabilitation. Menlo Park PS will be rehabilitated. Redwood City PS will be replaced. Belmont PS will be rehabilitated. San Carlos PS is no longer needed due to the new gravity pipeline; flows from San Carlos and Belmont will enter into the gravity pipeline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

Available Budget	Total Expenditure	Remaining Budget
$103.93M	$7.08M	$97.03M

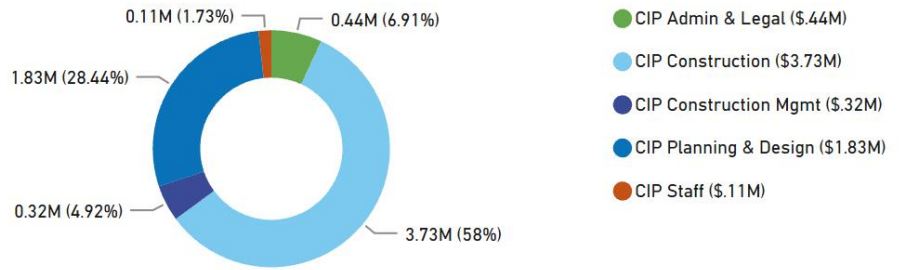
Milestone Schedule

	Start	Finish
PSI Project Procurement process approved by Commission	7/13/2018	7/13/2018
Recommend Award of DB Agreement to Commission	2/25/2019	2/25/2019
Basis of Design Report (BODR)	8/6/2019	
30 Percent (%) Design Documents	9/24/2019	
60 Percent (%) Design Documents	11/11/2019	
Stage 1 Services Complete	1/9/2020	

Budget vs Expenditures



Expenditures by Object



Phase 2 is scheduled to start on 1/20/2020.

No % Complete or % Expenditures available at this time.

As of : 2019 - 09

Pump Stations

Major Accomplishments this Period

Design	- Belmont Gravity Pipeline and Menlo Park Pump Station 30% designs under review. - Geotechnical investigations along Belmont Gravity Pipeline were completed in August. - Ongoing coordination with GP project.

Potential Issues

No issues to note for this period.

3 - Month Look Ahead

	Start	End	September	October	November
60% Design Package	September 3, 2019	November 21, 2019	X	X	X
BIM Model Development, Analysis, and Support	August 13, 2019	January 16, 2020	X	X	X
BODR & 30% Design Documents	May 24, 2019	November 21, 2019	X	X	X
Control Strategy / Narratives Development	May 23, 2019	October 14, 2019	X	X	
Cost Modeling Development and Estimates	May 3, 2019	November 27, 2019	X	X	X
Design & Construction Phasing Plan	May 27, 2019	October 15, 2019	X	X	
Hazardous Materials and Contamination Survey	May 7, 2019	September 20, 2019	X		
Modeling	May 24, 2019	October 16, 2019	X	X	
P&ID, Master Equipment & I/O List Development	July 2, 2019	October 8, 2019	X	X	
Permitting & Public Outreach Support	February 28, 2019	January 6, 2020	X	X	X
Preliminary Staffing & Staff Training Plan	October 17, 2019	November 11, 2019		X	X
Preliminary Startup, Testing and Acceptance Plan	September 3, 2019	November 7, 2019	X	X	X

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

As of : 2019 - 09