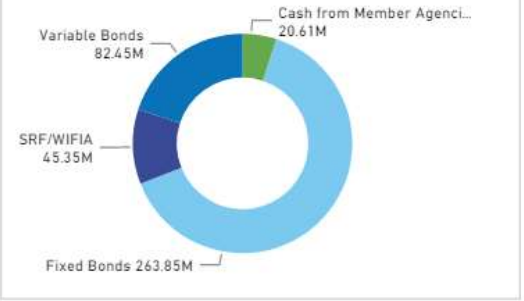
Overview

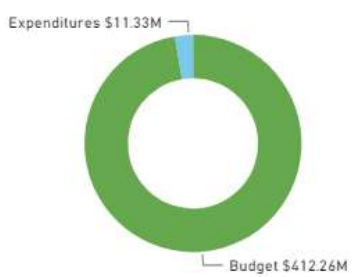
RESCU Program describes eleven projects which constitute full replacement and rehabilitation of SVCW's conveyance system. RESCU includes the Gravity Pipeline, Front of Plant, Pump Stations, and Belmont Force Main projects. The Front of Plant includes six of the eleven projects. The Conveyance System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

Available Budget	Total Expenditure	Remaining Budget
$412.26M	$11.33M	400.93M

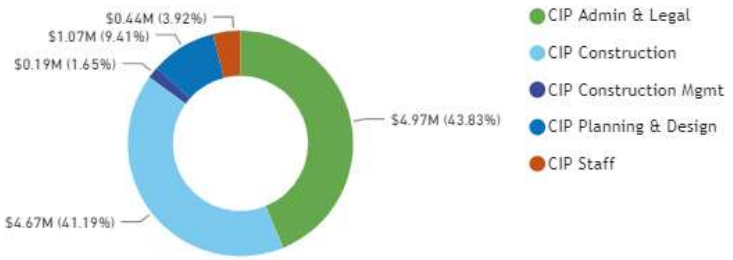
Source of Funds (per LRFP 2018)



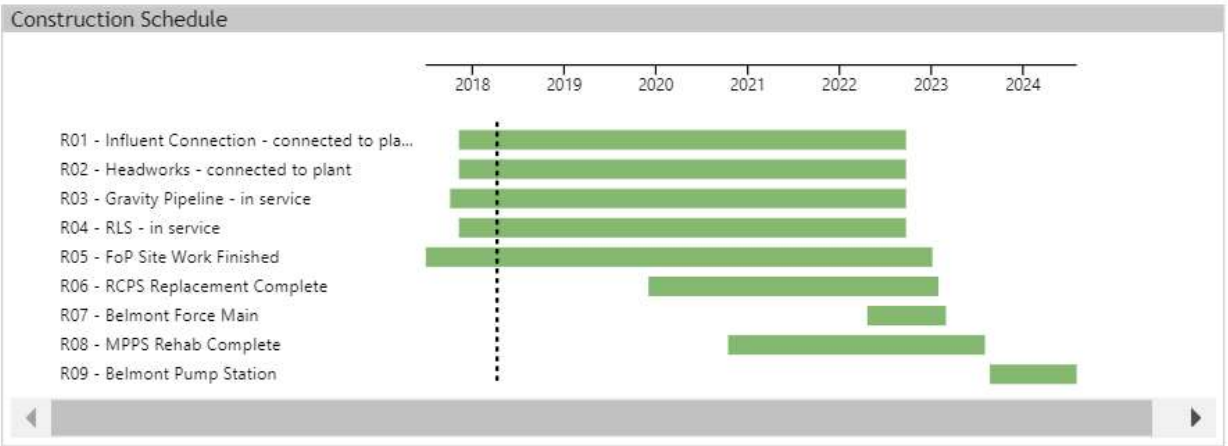
Budget vs Expenditures



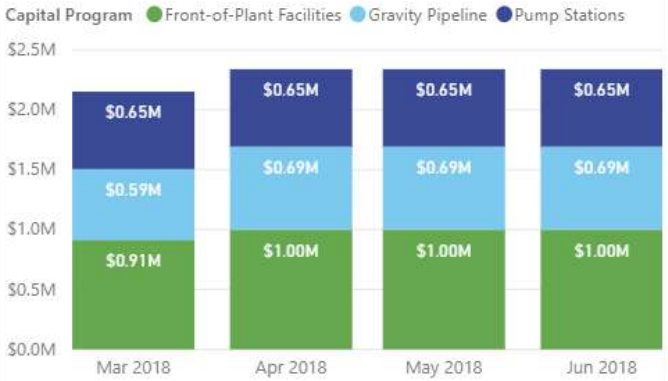
Expenditures by Object



Construction Schedule



3 Month Cash-Flow



As of : 2018-02

Front of Plant Progressive DB Project

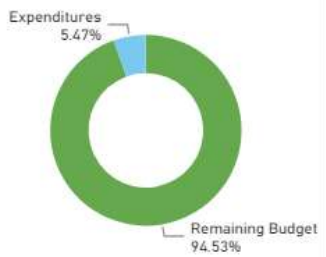
The Front of Plant (FoP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout for Receiving Lift Station (RLS), Headworks Facility, Odor Control Facilities, Influent Connector Pipe, Chemical Offload Facilities, Civil site work, Emergency Overflow pipe to storage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

Available Budget	Total Expenditure	Remaining Budget
$123.55M	$7.10M	$116.40M

Milestone Schedule

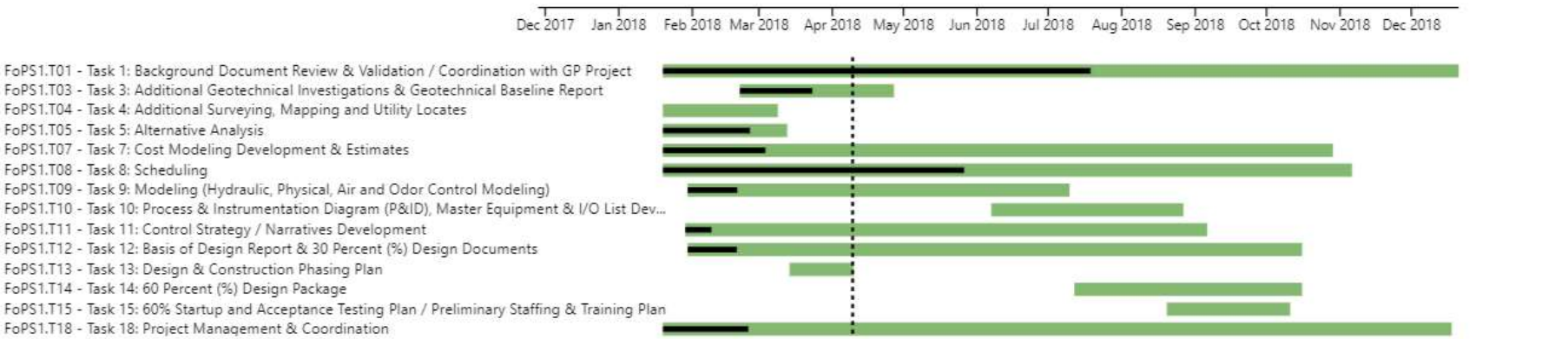
	Start	Finish
Notice to Proceed - Stage 1 Services	2018-11-28	
30 Percent (%) Design Documents		2018-08-22
60 Percent (%) Design Documents		2018-10-19
Basis of Design Report (BODR)		2018-06-11
Stage 1 Services Complete		2018-12-31
Stage 2A - Piles		2018-06-14
Stage 2B - RLS Excavation		2018-07-12
Stage 2C - Balance of Stage 2 Work		2018-12-28

Budget vs Expenditures



Expenditures by Object

Schedule



As of : 2018-02

Front of Plant Progressive DB Project

Major Accomplishments this Period

Design	- Established Headworks building design and associated process controls. - Finalized RLS shaft base design criteria. - Continued development of RLS, including pump layouts, pipe sizing, and valving. - Initiated computational fluid dynamics modeling for RLS. - Continued discussions related to surge protection as input to the CFD model. - Coordinate with GP DB team for adit and interface between gravity pipe and RLS manifold, including surge tower.
Procurement of Trade Packages	- Continue coordination with GP DB team for SOE subcontractors - Work towards a June 2018 package release for concrete pile subcontractors.
Construction	- None

Upcoming Key Activities

- Basis of Design Report for project
- Complete Flow Science CFD Analysis
- Complete Headworks electrical building design & bin loading/offloading
- Finalize sizing of RLS; decide on installed facilities
- Initiate physical modeling of RLS

3 - Month Look Ahead

	Baseline	Forecast	February 2018	April 2018
Resubmit Permitting Plan	2018-02-15	2018-02-15	▼	
Finalize Geotechnical Baseline Report	2018-04-26	2018-04-26		▼
Finalize Hydraulic CFD Results	2018-04-12	2018-04-12		▼
Design & Construction Phasing Plan	2018-04-18	2018-04-18		▼

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

Gravity Pipeline Progressive DB Project

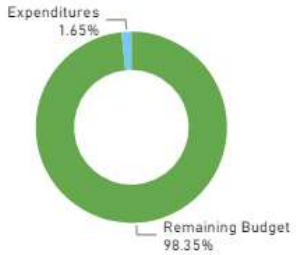
The Gravity Pipeline (GP) Project consists of the design, construction, permitting, start-up, commissioning, and closeout of approximately 17,600 feet of wastewater gravity FRP pipe inside a concrete-segment tunnel. The work includes four shafts and will interface directly with the Front of Plant (FoP)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

Available Budget	Total Expenditure	Remaining Budget
$221.88M	$3.63M	$218.16M

Milestone Schedule

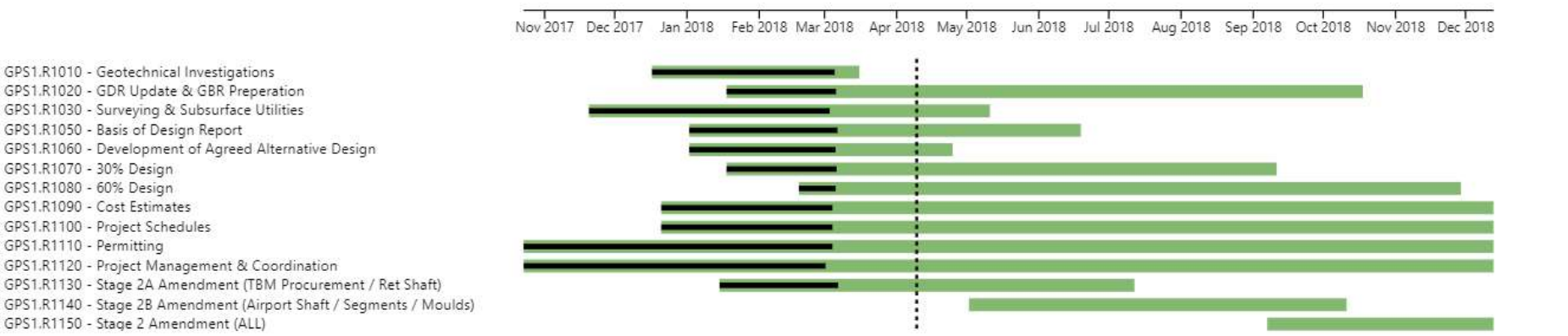
	Start	Finish
Notice to Proceed - Stage 1 Services	2017-10-13	
Basis of Design Report (BODR)		2018-06-19
30 Percent (%) Design Documents		2018-09-11
60 Percent (%) Design Documents		2018-11-28
Stage 2A - Retrieval Shaft, TBM Purchase, Airport Clear and Grub		2018-07-12
Stage 2B - Concrete Segments and Airport Shaft SOE		2018-10-11
Stage 2C - Balance of Stage 2 Work		2018-12-21
Stage 1 Services Complete		2018-12-31

Budget vs Expenditures



Expenditures by Object

Schedule



As of : 2018-02

Gravity Pipeline Progressive DB Project

Major Accomplishments this Period

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

Upcoming Key Activities

Air Flow and hydrogen sulfide concentrations modeling
Airport Access shaft P.G.&E coordination
Basis of Design Report for Tunnel and Retrieval Shaft
Geotechnical Data Report
Inlet structures design
Inner Bair Island retrieval shaft design

3 - Month Look Ahead

	Baseline	Forecast	April 2018
Surveying	2018-04-20	2018-04-20	▼
Geotechnical Interpretation Report	2018-04-16	2018-04-16	▼
Shaft Design Package (BODR)	2018-04-17	2018-04-17	▼

Safety Spot Light

Category	Value
Lost Time	0
Near Misses	0
Recorded Losses	0

As of : 2018-02

Pump Stations

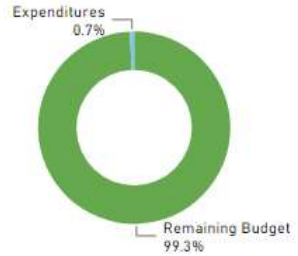
All SVCW pump stations require replacement or rehabilitation. Menlo Park PS will be rehabilitated. Redwood City PS will be replaced. Belmont PS will be rehabilitated. San Carlos PS is no longer needed due to the new gravity pipeline; flows from San Carlos and Belmont will enter into the gravity pipeline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

Available Budget	Total Expenditure	Remaining Budget
$66.83M	$445.18K	$66.36M

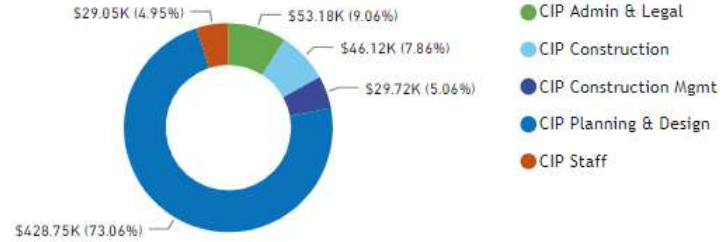
Milestone Schedule

	Start	Finish
Schedule Development in Progress	n/a	

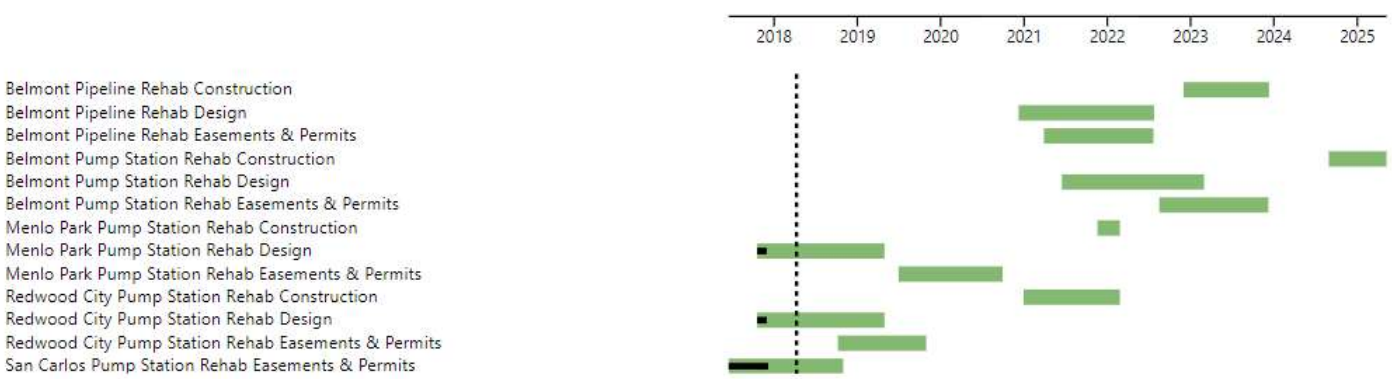
Budget vs Expenditures



Expenditures by Object



Schedule



As of : 2018-02

Pump Stations

Major Accomplishments this Period

Design	- Re-initiated interaction with SVCW O&M team and design team - Preliminary decisions on MPPS: no bar screens, no valving to FEF, add trash rack, use chopper pumps; all decisions to be verified. - Preliminary decisions on RCPS: bar screens. - Pending decision: all MPPS flow through RCPS or only wet weather flow? - Pending decision: RCPS a submersible PS or a wet well/dry well PS?

Upcoming Key Activities

MPPS design progression

RCPS design progression

3 - Month Look Ahead

	Baseline	Forecast	
Schedule Development in Progress			

Safety Spot Light

Category	Value