



18 Public Forum - FINAL.pptx/2

Recommendations



 Receive the September 2019 Monthly Status Report (Q1 FY 19/20 Status Report) for the Water Reclamation Facility and provide feedback





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Reporting process overview



- Single report for CFAC, WRFCAC, and City Council produced each month
 - Tracking of actual expenditures
- Monthly report expanded every third month (close of each quarter)
 - Budget reconciliation
- Budget is re-baselined annually

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Summary of Project status



- Project is on budget
 - New budget inline with original \$126 million budget (2018 Rate Study)
- Several major elements of the Project are behind schedule
- Overall Project is on schedule
 - TSO Compliance February 28, 2023
 - Substantial Completion December 29, 2021

Budget history



Project Component	Baseline (Q4 FY 17/18)	Quarterly Reconciliation (Q3 FY 18/19)	Annual Re-Baselined (Q4 FY 18/19)	Quarterly Reconciliation (Q1 FY 18/19)
Water Reclamation Facility	\$62,414,000	\$74,059,000	\$72,891,000	\$72,598,000
Conveyance Facilities	\$21,087,000	\$27,108,000	\$28,864,000	\$28,524,000
Recycled Water Facilities	\$8,593,000	\$5,366,000	\$5,250,000	\$5,212,000
General Program	\$24,403,000	\$11,614,000	\$11,801,000	\$11,625,000
Construction Contingency(1)	\$9,444,000	\$6,450,000	\$7,132,000	\$7,131,000
Total	\$125,941,000	\$124,597,000	\$125,938,000	\$125,090,000

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New baseline budget summary



- Water Reclamation Facility
 - Reduction in property acquisition budget
- Conveyance Facilities
 - Reduction in engineer's estimate based on 60 percent design submittal
- Recycled Water Facilities
 - Minimal changes
- General Project
 - Minimal changes

Key accomplishments and challenges



Project Component	Key Accomplishments	Critical Challenges	Actions to Overcome Challenges	Likely Outcomes
General Project	Delivery of the Draft PA to SHPO			
Water Reclamation Facility	Delivery of the Draft Special Condition No. 1, 2, and 6 for the City's CDP to CCC staff			
		Issuing a construction notice to proceed (NTP) in late October 2019 for the WRF	Meeting the requirements from WIFIA and CWSRF to allow construction to begin	Failure to issue a NTP in October 2019 could result in increases to the design-build team's guaranteed maximum price (GMP)
Conveyance Facilities		Expediting completion of the final design for the Conveyance Facilities	Possible elimination of intermediate design deliverables	Further delays in the start of construction could impact the start-up of the WRF and delay compliance with the time schedule order (TSO)
		Receipt of easements necessary to construct the pipelines in the City's existing bike path	Work closely with Vistra, PG&E, and California Public Utilities Commission (CPUC) to obtain the easements	Delayed receipt of the easements could complicate or delay construction of the Conveyance Facilities
Recycled Water Facilities		Schedule recovery due to issues access Vistra and PG&E property	Work with GSI to expedite the completion of the Phase 2 hydrogeology work	Without expediting the schedule, the completion of the injection wells will be delayed (does not impact compliance with the TSO)

Project dashboard

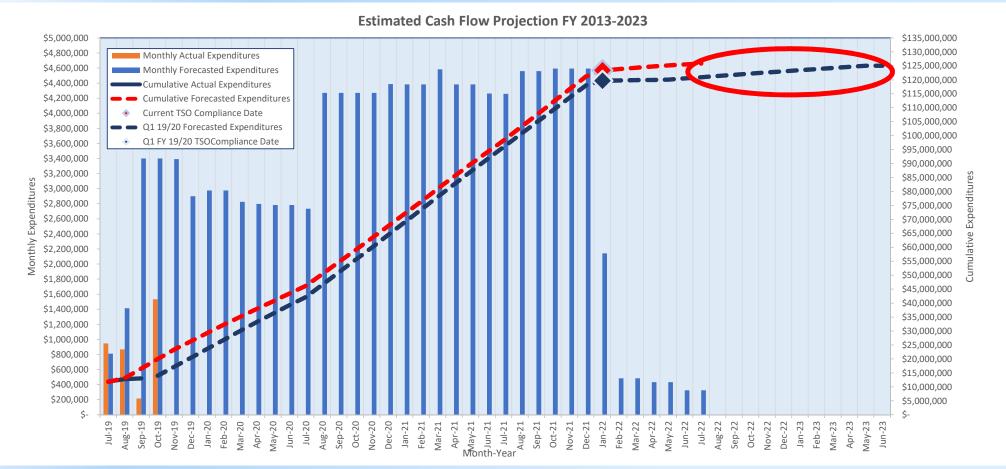


Performance Measure	Data	Baseline (Q4FY 17/18)	Current (Q4 FY 18/19)	Delta	Status	G	o	®
1: Total Project Costs	Total Project Projected Cost at Completion versus the Baseline Budget (budget as of 9/30/19)	\$125.9 M	\$125.1 M	0.0%	G	Estimated cost within 5% of target budget	Estimated cost > 5% above target budget	Estimated cost > 10% above target budget
1.1: WRF Costs	On Site WRF Projected Cost at Completion versus the Baseline Budget (budget as of 9/30/19)	\$77.3 M	\$77.0 M	0.0%	G	Estimated cost within 5% of target budget	Estimated cost > 5% above target budget	Estimated cost > 10% above target budget
1.2: Conveyance Facilities Costs	Conveyance Facilities Projected Cost at Completion versus the Baseline Budget (budget as of 9/30/19)	\$31.3 M	\$31.0 M	-1.0%	G	Estimated cost within 5% of target budget	Estimated cost > 5% above target budget	Estimated cost > 10% above target budget
1.3: Recycled Water Facilities Costs	Off Site Injection Facilities Projected Cost at Completion versus the Baseline Budget (budget as of 9/30/19)	\$5.6 M	\$5.5 M	-1.8%	G	Estimated cost within 5% of target budget	Estimated cost > 5% above target budget	Estimated cost > 10% above target budget
1.4: General Project Costs	General Project Projected Cost at Completion versus the Baseline Budget (budget as of 9/30/19)	\$11.7 M	\$11.6 M	-0.9%	G	Estimated cost within 5% of target budget	Estimated cost > 5% above target budget	Estimated cost > 10% above target budget
2: Program Manager Earned Value	Ratio of Program Manager Earned Value to Actual Invoiced Cost-to-Date (as of 9/30/19)	1.00	0.97	-0.03	Y	>= 1.00	o.99 to o.90	< 0.90
3: Schedule Performance Index ⁽¹⁾	Ratio of Planned Percent Complete to Actual Percent Complete (as of 9/30/19)	1.00	0.90	-0.10	Y	>=1.00	o.99 to o.8o	<0.80
4: Conveyance Pipeline Installed	Feet of conveyance pipeline installed (thru 9/30/19)	18,500 LF	0.0 LF	0.0%	G	<= 5%	> 5% and <=7.5%	>7.5%
5: Compliance Date Countdown	Days Remaining to Compliance Date (as of 9/30/19)	1,247 days	821 days	-426 days	G	<= 365 days	364 days and 180 days	> 179 days

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Current vs. planned expenditures





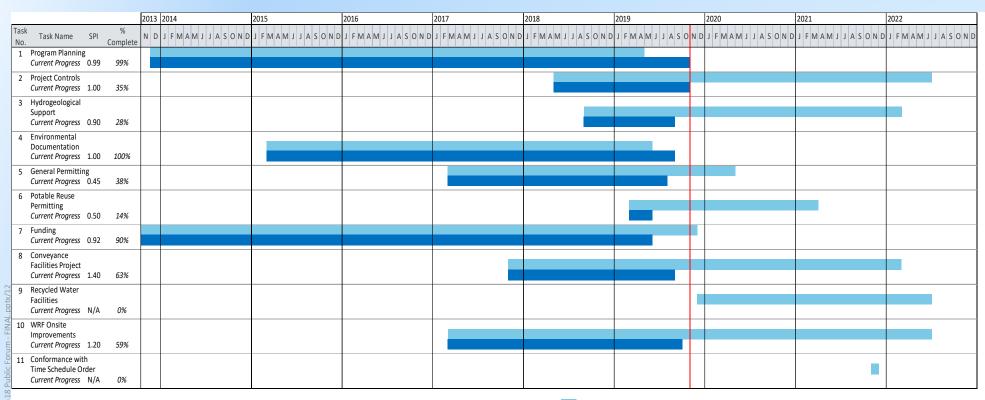
Expenditures to date



Project	Actual Expenditures to Date	Total Contracted Cost	Contract Expended to Date (%)	Total Project Cost (Est.)	Cost Expended to Date (%)	
General Project	\$5,767,000	\$6,429,000	89.7%	\$11,625,000	61.6%	
WRF	\$4,558,000	\$69,102,000	6.6%	\$76,972,000	5.9%	
Conveyance Facilities	\$1,018,000	\$2,052,000	49.6%	\$30,981,000	3.3%	
Recycled Water Facilities	I Intal Expenditures = \$15047000 P000					
Total	\$11,651,000	\$77,942,000	14.9%	\$125,090,000	10.4%	

Schedule overview





Project SPI: 0.90
Program % Complete: 62%

Baseline Schedule
Actual Progress-To-Date

New milestone schedule overview



Milestone	Baseline Schedule due Date	Planned Completion Date				
General Project						
Compliance with the TSO	November 11, 2021	December 29, 2021				
	Water Reclamation Facility					
Begin Construction	August 08, 2019	October 22, 2019				
Deliver 90 Percent Design	October 24, 2019	November 12, 2019				
Substantial Completion	November 11, 2021	December 29, 2021				
Final Completion	June 09, 2022	July 12, 2022				
Conveyance Facilities						
Deliver 90 Percent Design	October 15, 2019	December 31, 2019				
Deliver 100 Percent Design	December 17, 2019	March 10, 2020				
Bid Advertisement	February 21, 2020	May 15, 2020				
Award Construction Contract	May 08, 2020	July 31, 2020				
Substantial Completion	September 17, 2021	December 07, 2021				
Final Completion	November 19, 2021	February 08, 2022				
Recycled Water Facilities						
Select Preferred Injection Area	May 28, 2019	December 20, 2019				
Deliver 30 Percent Design	August 04, 2020	June 11, 2021				
Deliver 60 Percent Design	November 10, 2020	September 07, 2021				
Deliver 90 Percent Design	February 16, 2021	December 24, 2021				
Deliver 100 Percent Design	April 27, 2021	March 04, 2022				
Award Construction Contract	July 21, 2021	May 30, 2022				
Substantial Completion	April 21, 2022	February 28, 2023				
Final Completion	June 21, 2022	April 28, 2023				

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Schedule recovery strategies



- Task 3 Hydrogeological Support
 - Obtain the CDP in order to begin pump testing to characterize the west injection area
- Task 5 General Permitting
 - Expedite design of the Conveyance Facilities to complete the CDFW permit application (Morro Creek) and Caltrans encroachment permit (Highway 1)
- Task 6 Potable Reuse Permitting
 - Continue development of the Enhanced Source Control Plan
 - Complete hydrogeological work to submit Title 22 Engineer's Report
- Task 7 Funding
 - Expedite signing of the CWSRF loan agreement

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