

EXHIBIT 4-A



Monterey One Water
Providing Cooperative Water Solutions

Recycled Water Committee Staff Report

TO: Recycled Water Committee

FROM: Dave Lindow, Pure Water Monterey Program Manager

MEETING DATE: November 15, 2019

AGENDA ITEM NO: 5

SUBJECT: **Update on Pure Water Monterey and Pure Water Monterey Expansion (Backup Plan) Projects**

Pure Water Monterey

Source Waters (includes Blanco Drain, Reclamation Ditch & Salinas Stormwater elements)

- Construction of intake structure, slope stabilization and installation of articulated concrete block matting along the Blanco Drain channel bottom is complete. Blanco Drain bypass/pump-around system was removed last week.
- Final trenching and conduit installation for the Blanco PS power feed is complete; PG&E has scheduled their sign-off inspection for November 15th, with energization of Blanco PS anticipated by the end of November.
- To date project change orders are 4.7% of the original construction contract amount. Pending change orders include “undergrounding” of Blanco PS power (approx. \$144K), additional required earthwork for stabilization of Blanco Drain side slopes and channel bottom, and miscellaneous additional electrical changes.
- Construction of the Salinas Stormwater Phase 1A is ongoing, focus is the main stormwater diversion vault, with pouring of the vault’s concrete walls scheduled for mid-to-late November.
- The Salinas Stormwater Phase 1B contractor is focused on technical submittals, RFI’s, and permitting. The contractor expects to be onsite and break ground for the pump station foundation by mid-November.

Advanced Water Purification Facility

- Ozone and membrane filtration equipment startup continues.
- Continuing to install conduit and wire in the Membrane Building.
- RO filtration startup initiated with orifice plugs and with membranes in one skid each.
- Removed UV reactors lamps and quartz sleeves for cleaning, began to flush system with RO permeate water. Loaded UV equipment software, allowing functional testing and RTP SCADA tie-in to be initiated.

- Installed temporary piping to allow the RO permeate to return to the Headworks through the Waste Equalization PS or the RTP storm pond.
- Modified the RO concentrate piping to allow for bypass to the Waste Equalization PS and to allow for increased back pressure.
- Continued working on the NPDES effluent monitoring station.
- Continued to install the HVAC system including for MCC 6.
- The decarbonator internal media were installed.
- TSI, the instrumentation/SCADA subcontractor to McGrath Electric Inc. (MEI), continues testing, I/O checkout and VFD programming. MEI is APEC's subcontractor.
- M1W helped set up WIFI in the Ozone and Membrane Buildings to facilitate startup and equipment identification.
- M1W, KJ and the CM continue to provide APEC more support for both ozone/UV/AOP system startup experts (Trussell Tech) and MF/RO equipment startup experts (SPI).
- APEC missed their July 1, 2019 contractual deadline for AWPf delivery of purified water to the Injection facilities. An updated APEC construction schedule is not available at this time, however, based on recent APEC-M1W-CM discussions, purified water performance testing should commence by late-November, with initial delivery of purified water by mid-December.
- AWPf change orders to date are 4.3% of the original construction contract amount. Seven AWPf change orders were processed last month after APEC's construction schedule confirmed those change orders resulted in no time impacts.

Water Conveyance Pipeline & Reservoir (aka MCWD's RUWAP)

- The conveyance pipeline and reservoir are ready for use by PWM.

Phase 2 Injection Facilities

- The percolation basin was cleaned and re-graded in preparation for startup.
- PG&E's Public Safety Power Shutoff program has delayed IW site power. M1W is helping SCI expedite PG&E, with site energization anticipated by late-November.
- Bi-weekly baseline monitoring well sampling is being conducted in partnership with M1W Lab, M1W Operations, and MPWMD Operations.
- A \$121K change order was executed for comm-equipment between Blackhorse Reservoir radio and the local cabinet. A change order covering field directives for shallow well destruction, electrical building materials, grading changes, and comm-equipment changes at Reeside PS, SRDF, and Blackhorse Reservoir totaling \$66K is being processed.

Pure Water Monterey Project Expansion (Backup Plan)

- The PWM Expansion Supplemental Environmental Impact Report (SEIR) progress to date is approximately 75%.
- M1W will release the draft SEIR for public review on November 7, 2019. A public meeting on the draft SEIR will be held in early December 2019.
- Comments on Draft SEIR are due December 22, 2019.

Funding and Reimbursements

EXPENDITURES

Brine/Outfall (UR 504)—Paid for by Cal Am

Cal Am now only pumps water from their slant well into M1W's Ocean Outfall manhole about four hours per month. Brown & Caldwell completed the 95% design of the Outfall Protection Project. That project is on hold waiting for Cal Am to obtain state and federal approvals and property owner requirements. Cal Am wants the project to go out to bid somewhere around October 2020, for work in summer of 2021. The Brine Mixing Structure 90% design went through a Cal Am requested value engineering review September 25th. A second value engineering review is planned for November 5th. Cal Am wants that project to be completed by June 2021. M1W and consultants stopped working several months ago on a new NPDES permit that will include Cal Am's brine. Cal Am is hoping for the NPDES application (ROWD) to be submitted December 1, 2019. Cal Am has provided a response to the Long-Term Lease written by M1W. M1W is reviewing the document. The California Coastal Commission meeting on November 14th could affect all of this work.

Brine/Outfall UR-504	FY2019/20 Approved Budget	Costs to Date FY19/20	Costs during October 2019
Budget for all Cal Am projects	\$280,000	\$114,351	\$8,132
Total Budget or Expenditures	\$280,000	\$114,351	\$8,132
Funding and Reimbursements			
	Approved Budget	Amounts Billed	FY 19/20 Amts. Received
Cal Am Deposit- FY 19/20	\$280,000	596,893	

Groundwater Replenishment (UR 502)

	Expenditures from 2006 - FY 18/19	FY 2019/20 Approved Budget	Costs to Date FY2019/20	Change Orders to Date	FY 2019/20 Costs during Oct 2019
Combined Categories	\$98,542,403				
Advanced Water Purification		\$5,100,000	\$2,793,004	\$2,068,367.00	\$2,082,603
Source Water Facilities		1,600,000	639,969	\$363,656.36	\$316,790
Injection Wells-Phase I			0	\$36,399.02	0
Injection Wells-Phase II		1,800,000	1,386,160	\$1,756,254.00	376,299
Pipeline Conveyance System		0	1,807	\$103,953.67.00	316
TOTALS	\$98,542,403	\$8,500,000	\$4,820,940	\$4,328,630.05	\$2,776,008

Expenditures were 9% of budget on October 31, 2019 for the Fiscal Year 2019/2020.

Organization	Funding 2006 – FY 18/19	FY19/20 Approved Budget	FY19/20 Amounts Billed ⁽¹⁾	FY 19/20 Amounts Received
General Fund	7,204,996	-	-	-
Watermaster	100,000	-	-	-
MPWMD	12,233,955	-	-	-
SRF Facilities Grant	74,883	-	-	-
SRF Loan ⁽¹⁾	60,615,401	\$4,396,601	\$4,103,386	1,610,686
Prop. 1 Grant - GWR ⁽²⁾	13,318,857	\$2,951,837	-	-
Prop. 1 Grant - Stormwater	2,544,520	\$439,959		
MCWD ⁽³⁾	-	\$711,603	-	-
FORA GRANT ⁽⁴⁾	\$2,300,000			
BOR Title 16 Feasibility Water SMART Grant / Other Resource	149,791	-	-	-
TOTALS	\$98,542,403	\$8,500,000		

(1) SRF loan requests for Source water facilities and Advance water purification were sent out in August.

(2)\$15M Recycled Water Grant for AWPf

(3) Represents MCWD 13.953% est. contribution for the Advanced Water Purification Facility

(4) \$2.3M FORA Grant \$2,010,194 AWPf, \$289,806 New Pipeline Facilities

Pending PWM SRF Reimbursement Requests and Number of Days Outstanding

Disbursement No.	Date	Amount	Days Outstanding
51	9/27/2019	\$ 1,616,803.00	40
52	10/25/2019	\$ 875,016.00	12
Total		\$ 2,491,819.00	

INFORMATION ONLY - NO ACTION REQUESTED

ATTACHMENT: PWM Executive Schedule Gantt Chart