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Seal Rock Water District

General Manager's Report:
Board Meeting May 11, 2017

This report is an executive summary provided with this Board agenda to Commissioners with recommended actions if any. Detailed information, staff reports, and supporting materials are provided within the full agenda packet.

• PHASE-3 USDA-RD GRANT FUNDED AMI PROJECT:

District staff continues working with engineers to develop design specifications and contract documents in preparation for installing the Automated Meter Integration (AMI) System tentatively scheduled to begin in the spring/summer of 2017.

USDA-RD States engineer, and District staff have received 90% deliverables (contract documents, contract specification and plan sets) for review before finalizing and approval to advertise for bid. This project is project has slipped by about a week due to the extensive review process necessary to complete finalize the engineering specifications and bid unit amounts. With approval from the States engineer staff anticipates being in the bid phase of the project next month. Contract documents and plan sets have also been provided to the District's legal counsel for review.

Update: Engineering Budget Status:

The table below summarizes the project budget to date. The table indicates the original budget (Total Contract Amount) for each task and the sum equaling \$197,662.00. As shown, the Total Billed amount is \$75,402.09, or around 38% of the overall budget.

Phase Description	Total Contract Amount	Total Hours Worked	Total Billed	% Complete	Contract Remaining
1.0 Project Management and Administration	\$ 20,238.00	82	\$ 7,888.50	39%	\$ 12,349.50
2.0 Kickoff Meeting and Data Gathering					
2.0a Labor	\$ 7,456.00	112.75	\$ 7,456.00	100%	\$ -
2.0b Consultant	\$ 6,100.00	0	\$ 6,100.00	100%	\$ -
3.0 Development of Standard and Atypical Meter	\$ 15,864.00	95.5	\$ 13,662.30	86%	\$ 2,201.70
4.0 Design of Telemetry Network	\$ 12,024.00	78.75	\$ 5,929.50	49%	\$ 6,094.50
5.0 Replace PRVs on Bayshore Community and					
5.0a Labor	\$ 10,116.00	98.75	\$ 9,742.50	96%	\$ 373.50
5.0b Consultant	\$ 1,000.00	0	\$ -	0%	\$ 1,000.00
6.0 Preparation of Project Documents	\$ 16,506.00	158	\$ 12,605.25	76%	\$ 3,900.75
7.0 Bid Phase Support	\$ 9,396.00	4	\$ -	0%	\$ 9,396.00
8.0 Construction Management Support	\$ 19,756.00	0	\$ -	0%	\$ 19,756.00
9.0 Construction Inspection and Oversight of	\$ 44,592.00	0	\$ -	0%	\$ 44,592.00
10.0 Project Closeout Services	\$ 11,324.00	0	\$ -	0%	\$ 11,324.00
11.0 Project Reimbursables	\$ 2,750.00	0	\$ 762.04	28%	\$ 1,987.96
12.0 Master Water Metering SCADA Integration					
12.0a Labor	\$ 12,840.00	100.25	\$ 11,256.00	88%	\$ 1,584.00
12.0b Consultant	\$ 7,700.00	0	\$ -	0%	\$ 7,700.00
13.0 Solenoid Operated Metering Evaluation	\$ -	0	\$ -	T&M	\$ -
Total:	\$ 197,662.00	730.00	\$ 75,402.09	38%	\$ 122,259.91

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- **PHASE-4 SOURCE WATER PROJECT PRELIMINARY ENGINEERING REPORT AND ENVIRONMENT REPORT:**

District staff is currently in the process of finalizing draft PER and ER for Phase-IV improvements. The goal of the project is to provide a safe, sustainable, and resilient drinking water supply for the District's customers. The District's current supply, which is a purchase of treated water from the City of Toledo, is vulnerable to landslides, flooding, and particularly, from a major earthquake. Water is delivered to the District through a 10-mile long transmission pipeline, 7 miles of which are owned by the District. Many sections of the transmission pipeline are at risk of failure in an earthquake. This risk is what provides the necessary context for developing a reliable source of water more centrally located to the District.

A Cascadia Subduction Zone earthquake is a major concern for coastal communities in Oregon. Even apart from a major earthquake, the existing transmission pipeline from Toledo has proven to be vulnerable to leaks and breaks from slides and ground movement that occurs periodically along the alignment. The District has found it necessary to repair or replace many sections of the line over the past three decades, as listed in Table 3-1. Below. Although the total cost for these projects is high, only a relatively small portion of the transmission line has been replaced to date.

Table 3-1. District Repair and Replacement Projects for Toledo Transmission Pipeline

Date	Description	Cost
1990-91	Poole Slough line replacement	\$21,700
1991-92	Relocation along South Bay Road	\$29,400
1991-92	Poole Slough line replacement	\$73,700
2003-04	Improvements and replacement along South Bay Road	\$119,900
2005	Poole Slough directional drill replacement	\$825,600
2011	South Bay high-density polyethylene pipe installation; creek crossings and horizontal direction drill	\$1,541,300
2011-12	South Bay Road Bridge line relocation	\$33,900
2016	South Bay Road emergency repair	\$30,300
TOTAL		\$2,675,800

The Environmental Report has been prepared in coordination with the PER. The Environmental Report has identified environmental permitting needs for the project. Mitigation measures may be identified as the environmental permits are prepared and these should be factored into the design. To date, two rounds of treatability testing have been conducted on the Beaver Creek supply. Tests have been performed in CH2M's Corvallis Applied Science Lab, simulating the membrane filtration process, the use of sodium permanganate for preoxidation, and the use of aluminum chlorohydrate as the coagulant. The particular water quality concerns are elevated levels of iron and dissolved organics, the latter contributing to the formation of disinfection byproducts. At least one additional round of testing during a high organics loading period is recommended to confirm the proposed treatment process. Completion of the PER/ER is necessary to comply with eligibility requirements to apply for funding through USDA-RD. Staff hope to present the final PER/ER to the SRWD Board of Commissioners for review and adoption before the end of the fiscal year.

- **OTHER NOTABLE ACTIVITIES FOR THE MONTHS OF APRIL/MAY INCLUDE:**

- Attended weekly meetings with engineers and contractor to discuss Phase-3 project close out and AMI.
- Facilitated District personnel staff/safety meeting.
- Attended Mid-Coast Integrated Water Resources Coordinating Committee meeting and technical working group meetings in Newport.
- Met with Mid Coast Watershed Council to collaborate support for Beaver Creek restoration Project.
- Facilitated closure of long term financing of the District's LOC with Cashmere.
- District staff devoted a considerable amount of time in preparation for the 2017/2018 budget process.
- Hosted 2017 – 2018 Budget Committee meeting on April 20th.
- Hosted the annual meeting with the City of Toledo to review expected capital projects for the upcoming year.
- Attended meetings with Beaver Creek property owners to discuss alignment of utilities associated with Phase-4 improvements and the need for easement and access agreements.
- Attended meetings with the District's legal counsel and engineer to review proposed Phase-4 improvements and the need for easements and access agreements.