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Seal Rock Water District

General Manager's Report:
Board Meeting April 13, 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.

In late January, 50% deliverable design specifications were provided to the District for review and comment. Site survey was completed by the District and engineer in Bayshore at the Pressure Relief Valve (PRV) locations to help develop design specs for the two new PRV's included in this project.

The District expects to receive 90% deliverables very soon for review by the District and the states engineer with USDA-RD before finalizing and moving forward to the bid phase.

Update on 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 \$57,307.29, or around 29% 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	46.5	\$ 5,848.50	29%	\$ 14,389.50
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	93.5	\$ 11,949.00	75%	\$ 3,915.00
4.0 Design of Telemetry Network	\$ 12,024.00	37.25	\$ 4,991.50	42%	\$ 7,032.50
5.0 Replace PRVs on Bayshore Community and					
5.0a Labor	\$ 10,116.00	40.75	\$ 3,572.50	35%	\$ 6,543.50
5.0b Consultant	\$ 1,000.00	0	\$ -	0%	\$ 1,000.00
6.0 Preparation of Project Documents	\$ 16,506.00	68.5	\$ 7,013.25	42%	\$ 9,492.75
7.0 Bid Phase Support	\$ 9,396.00	0	\$ -	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	76	\$ 9,614.50	75%	\$ 3,225.50
12.0b Consultant	\$ 7,700.00	0	\$ -	0%	\$ 7,700.00
13.0 Solenoid Operated Metering Evaluation	\$ -	0	\$ -	T&M	\$ -
Total:	\$ 197,662.00	475.25	\$ 57,307.29	29%	\$ 140,354.71

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

The District received a draft Preliminary Engineering Report (PER) and Environmental Review (ER) report for the Beaver Creek source water supply project. Elements of the project include:

Water Supply:

The water supply will be obtained from a direct surface, screened intake on Beaver Creek, located at approximately river mile 2.1, just downstream of the South Beaver Creek Road Bridge. The withdrawal facility is positioned on the southwest quadrant of the bridge crossing to take advantage of more stable ground and a nearby location for the electrical building that will be above the 100-year floodplain.

Beaver Creek is a high-value recreational stream, attracting many kayakers and canoeists. In recognition of this recreational use, the preliminary design of the withdrawal facility has a minimal visual impact. The potential for noise pollution is minimized by using submersible pumps. Three pumps are planned for the intake, each sized at 50 percent of the maximum withdrawal rate of 2.0 cfs (1.29 mgd). This application provides redundancy.

Raw Water Pipeline:

The raw water pipeline will follow the alignment of South Beaver Creek Road to the intersection with North Beaver Creek Road. It will then follow North Beaver Creek Road to the west until it turns north through private property to the plant site. The planned size and material is 14-inch nominal DR 9 high-density polyethylene (HDPE). The section of the raw water line along South Beaver Creek Road, from south of the bridge to approximately 500 feet north of the bridge, will be installed using horizontal directional drilling.

Membrane Water Treatment Facility located at the Makai Tank Site:

A possible mechanical floorplan for the treatment building is provided with the drawings. This sample layout is based on one membrane supplier's equipment package; the layout will change depending on the selected membrane treatment equipment. The selection of the membrane filtration equipment will be limited to those vendors that are listed by the Oregon Health Authority Drinking Water Services program as meeting the target microbial removal rates.

- **OTHER NOTABLE ACTIVITIES FOR THE MONTHS OF MARCH/APRIL 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 discuss Beaver Creek restoration Project.
- Attended several conversations with Bond Counsel regarding long term financing of LOC to pay for Toledo improvements.
- District staff devoted a considerable amount of time in preparation for the 2017/2018 budget process.
- Coordinated with the City of Toledo to execute a tax certificate for long term financing of the LOC.
- Attended Department of Energy's Emergency Preparedness Managers briefing in Newport.