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Seal Rock Water District

General Manager's Report:

Board Meeting January 13, 2022

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-IV BEAVER CREEK SOURCE WATER PROJECT:

District staff and engineer along with funding partners from USDA-RD meet bi-weekly with R&G Excavating to discuss project activities, schedule, and status. Construction at the WTP site includes continued work to complete grading around the backwash basins and membrane building. Contractor has mobilized membrane treatment equipment in the building and is beginning to place equipment in various areas for operation. Roofing construction of the membrane building has been completed and the contractor is framing windows of the operation and control room. Electricians and plumbers are also on site installing electrical wiring and piping for the WTP. Major construction activities include:

Membrane Building:

- o Pipe support installation
- o Anchorage of UF, CIP, and Neutralization tanks
- o Soffit and flashing installation, sheet metal closures, cap sheet metal flashing
- o Conduit, panel, and wiring for facility lighting, outlets, and switches
- o WesTech panel installation - Chemical feed panel installation
- o Plumbing installation of interior PVC pipes for CIP and chemical pipes
- o HVAC installation in the electrical room - Drywall and insulation of interior rooms
- o Electrical work pulling in wire from generator and transformer area
- o Door installation - Gutters and Downspouts - FW Pumps, piping installed in trench



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- **RW Intake Building:**

- o Overflow, roof drain, and eyewash station
- o Hydrostatic testing of 2" FW
- o Door installation



- **General Site Activities:**

- o CLPUD pulled power conductors up to the site
- o Installation of precast sanitary holding tank
- o Completion of yard piping utilities between Membrane Building and Backwash Basin
- o Duct bank installation to transformer at WTP site and installation of meter cabinet
- o NW retaining wall was rebuilt
- o Finish grading at southeast corner of the site
- o Regrading of roadway between Backwash Basin and Membrane Building



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The Contractor continues to make steady progress in construction. Per recent design progress schedule, which does not meet contract dates, the approximate slippage that the Contractor is showing is an additional 116- days. These dates can only be approved via change order. Jacob's software integration team continues to coordinate with the contractor's subcontractor and WesTech to complete software development. Software integration between WesTech and the balance of the plant continues with programming and testing in progress.

PRIORITY EMERGENCY WATER DISTRIBUTION SYSTEM REPAIRS:

- 1.) In the early hours of December 20th, District crews were alerted to conditions of low pressure in the north end of the distribution system after a landslide, caused by heavy rain that occurred along HWY-101 across from the entrance to the Newport Airport. The landslide caused a section of 8-inch waterline to separate, which required a complete shutdown of the distribution system resulting in zero pressure conditions. District crews, assisted by R&G Excavation Inc. worked through the day installing isolation valves north and south of the slide area to temporarily restore service to the Newport Airport and approximately 30 customers affected by the outage.



US HWY 101 – MP 145: December 20, 2021, looking South.



Looking North:

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Due to conditions of pressure loss, a “*Loss of pressure Boil Water Notice*” was issued to SRWD customers in an isolated area of 95th/97th Courts, and SW Brant Street, SW Abalone Street along with a single customer along Hwy-101. The system has been thoroughly flushed and a bacti sample was taken from a designated sample point located within the affected area. The sample was sent to Analytical Labs in Eugene and the results came back negative. Following guidance provided by Oregon Health Authority (OHA), the District reported the results of the bacti sample to OHA as soon as they become available before lifting the *No pressure Boil Water Notice*.



As you can see by the photos the district will need to replace 300+ LF of water main to complete permanent repairs. ODOT engineers are designing slope stabilization design criteria and will be advertising a request for quotes to complete emergency repairs by a local contractor. ODOT representatives anticipate work to repair the hillside will be completed the first week of January. District crews are coordinating with R&G Excavation to complete permanent repairs to the distribution system in this area the week of January 10th.

2.) While making routine rounds district crews discovered a second slide on the easement road through Freemans’s property adjacent to the Toledo supply line located near the Poole Slough crossing. This area is difficult to access and will require support from a contractor with specialized equipment. Fortunately, the district’s Toledo supply line has not been compromised. However, continuation of the slide has the potential to impact the district’s supply line. As you can see in the attached photos District crews have secured the area with heavy mill plastic and sandbags to prevent further erosion until permanent repairs can be completed. Permanent repairs in this area include replacing the section of waterline in the affected area and extending the pipe up the hill to the access road with approximately 600-LF of 14-inch HDPE.



Poole Slough slide December 23, 2021



Fortunately, both of these emergency repair areas qualify for USDA-RD Emergency and Imminent Community Water Assistance Grants Program (ECWAG) Funding. Repairs to the district's distribution system impacted by the slide area on Hwy-101 qualifies for the maximum of \$150K for emergency distribution repair. Conversely, because the slide area near Poole Slough is affecting the district's primary supply line, this area qualifies for \$1M in emergency repair funds. District staff is working with engineers now to design repairs and provide the construction budget for staff to complete the necessary Environmental Report (ER) and Preliminary Engineering Report (PER) to complete the ECWAG application in advance of the January Board meeting. More details regarding these two emergency distribution repair projects will be provided to the Board at the January regular Board Meeting.

OTHER NOTABLE ACTIVITIES FOR THE MONTH INCLUDE:

- Attended on-site Beaver Creek water quality and flow monitoring field data collection.
- Reviewed Engineers Requests for Information (RFI's) for the Beaver Creek Project.
- Attended OWRD Place Based Planning Evaluation of the Mid-Coast Water Planning Partnership.
- Attended Water Treatment Plant Software Demonstration test.
- Attended Water Treatment Plant Site Evaluation with WesTech
- Attended video conferences with engineers, contractors, and USDA to discuss submittals and schedule for work on the Beaver Creek Source water project.
- Met with engineers and representatives from USDA-RD to discuss ECWAG funding opportunities.
- Completed USDA-RD RUS ECWAG Funding application through RDAApply.