



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Monday, March 15, 2021

3:30 p.m. to 5:00 p.m.

District Office, Conference Room 1st Floor
1275 Meadow Crest Drive, South Lake Tahoe, California

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David Peterson

OPERATIONS COMMITTEE

Shane Romsos

(A meeting will be held to discuss the following topics)

AGENDA

1. **PUBLIC COMMENTS** (Members of the public may address the committee on any item that is within the jurisdiction of the District; however, no discussion or action may take place per the Brown Act. Each member of the public who wishes to comment shall be allotted three minutes, and no more than three individuals shall address the same subject.)
2. **OPERATIONAL ISSUES**
 - a. General
 - b. Water System
 - Sierra Tract Unidirectional Flushing Program
 - c. Sewer Collection System
 - Lake Tahoe Blvd Sewer Main Closed Circuit Television (CCTV)
 - d. Wastewater Treatment Plant (WWTP)
 - End of March Lab and Ops will begin quarterly sampling of Influent, Effluent and Cake for PFOA/PFOS - Sampling will continue for one year
 - e. Export System/Recycled Water Facilities
 - Staff is clearing freshwater ditches for the irrigation season that begins April 1
3. **ENGINEERING ISSUES**
 - a. General
 - Capital Improvement Plan (CIP) Planning
 - b. Water System
 - State Revolving Fund (SRF) Stimulus Package Development

- c. Sewer Collection System
- d. Wastewater Treatment Plant
 - Secondary Clarifier No.'s 1 and 2 Funding Update
- e. Export System/Recycled Water Facilities

4. DISCUSSION OF STAFF REPORT (Board Members pull items of interest from Engineering Staff Report below for further discussion)

5. SPECIAL REPORT

- a. Geographic Information System (GIS) Presentation (Jim Kelly, GIS Specialist)
- b. Tahoe Keys Emergency Supply Update

6. ADJOURNMENT (Next meeting is planned for Monday, April 12, 2021, 3:30 p.m.)

Public participation is encouraged. The meeting location is accessible to people with disabilities. Every reasonable effort will be made to accommodate participation of the disabled in all of the District's public meetings. If particular accommodations for the disabled are needed (i.e., disability-related aids, or other services), please contact the Clerk of the Board at (530) 544-6474, extension 6203, at least 24 hours in advance of the meeting.

South Tahoe Public Utility District ▪ 1275 Meadow Crest Drive ▪ South Lake Tahoe, CA 96150
Phone 530.544.6474 ▪ Facsimile 530.541.0614 ▪ www.stpud.us

ENGINEERING STAFF REPORT (as of March 10, 2021)

CONSTRUCTION PROJECTS

- a. Meters Phase 5B (Contractor: Vinciguerra)
 - Final balancing Change Order and Closeout Agreement in preparation for Board approval on April 1
- b. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
 - B-Line drain components installed - Need to add power supply to motor actuator before testing of new drain system can be tested
 - After testing Tank 2 demolition can proceed (tentatively in April)
- c. 2020 Sewer Improvements Project (Contractor: Burdick)
 - Counsel issued letter to Burdick on District behalf denying contractor claim
 - Staff received an email from Burdick on February 22, requesting retention check be resent - Staff complied on February 23
- d. Rocky 2 Waterline Replacement Project (Contractor: Haen)
 - Partial Closeout Agreement for Large Meters will go to Board on March 18
 - Solar backup for Rocky Pressure Regulating Valve (PRV) will not work due to poor aspect and tree cover - Staff is planning a utility power drop to be installed in coordination with Rocky 1 project
 - Contractor has cored slab for vehicle lift and is working up price quote
- e. Heavenly Tank – Recoat and Site Improvements (Contractor: Haen)
 - Contractor has outstanding Air Board violation on this project that needs to be resolved
 - Staff is confirming that the project can be closed out with no risk to District for Air Board fines

- f. Secondary Clarifier No. 3 Rehabilitation Project (Contractor : TNT Industrial)
 - Directive issued to contractor to install a new communications tower at the WWTP

PLANNING/DESIGN

- a. Groundwater Management Planning
 - Groundwater Sustainability Agency (SAG) Workshop scheduled for March 25 to discuss potential future projects
- b. Paloma Well Rehabilitation
 - Staff has applied to Lahontan for discharge-to-water for well development
 - Staff is continuing to work with consultant to prepare well rehab bid documents
- c. Tahoe Keys Pump Station (Consultant: Carollo)
 - Staff has requested permission from City to close Tahoe Keys Blvd north of Venice Drive for 2022 grading season - Waiting on response
 - SRF Loan has been secured - Contract in progress
 - Final plans received for bidding - Plan to advertise April 30
- d. Upper Truckee Pump Station Rehabilitation (Consultant: Carollo)
 - 90% Design workshop with consultant held February 24 - Final design in preparation
 - SRF application is in review - Hope to hear back in May
- e. Keller-Heavenly Improvements Project (Consultant: Farr West)
 - State is working with District counsel to finalize funding package - Concerns over duration of United States Forest Service (USFS) Special Use Permit for tank site
 - Phase 1 is currently bidding - Nine contractors attended mandatory virtual pre-bid meeting on March 2 - Bids open April 6
 - On March 4 the Board authorized for bidding the Phase 2 tank construction - Staff intends to postpone advertisement until April 23
- f. Blower System Emergency Power and Improvements Project (Consultant: Carollo)
 - Quote for generator received from Holt - In review by staff
 - Project bid advertises March 12 - Mandatory virtual pre-bid meeting scheduled for March 30
- g. Secondary Clarifiers No. 1 and 2 Project (Consultant: Carollo)
 - Quote received from Ovivo for mechanism - Staff negotiating price
 - Project will bid with Blower Generator (see above)
 - Staff is waiting for word from FEMA for approval of \$2.25M grant for seismic upgrades
 - Staff is waiting for word from state regarding approval of SRF Loan Application
 - BOTH outside funding sources must be secured to build this Project
- h. Water Tanks Backup Power Project
 - Project will bid with Blower Generator (see above)
 - FEMA Grant schedule requires construction in 2021
- i. Rocky 1 Waterline Replacement Project
 - Three bids were opened on March 4 - Haen Constructors is apparent low bidder
 - Bids currently in review - Intend to recommend award on April 1

- j. Wastewater Treatment Plant Fuels Reduction Project
 - Staff is pursuing updated Sponsor Agreement with California Conservation Corp (CCC) for hand work
 - Grant deadline for completion of work is October 2021
- k. 2020 Urban Water Management Plan (Consultant: Kennedy Jenks)
 - Staff is considering triggers for water conservation measures as part of its annual Water Shortage Contingency Plan
- l. Upper Truckee Marsh Sewer Improvements Project (Consultant: Northwest Hydraulics)
 - a. Draft Adaptive Management Report received and in review
- m. Water System Asset Management Projects
 - Water Station Electrical Condition Assessments: See WWTP Condition Assessment
 - Unidirectional Flushing (UDF) Program - Staff plans to bring proposal to Board to hire flushing truck to support Sierra Tract UDF
 - Artificial Intelligence (Baseform) - Staff is preparing presentation to Board by June
- n. Sewer System Asset Management Projects
 - WWTP Condition Assessment (Consultant: Water Systems Consultants (WSC)) - Staff has received Draft Technical Memorandum for prioritizing piping and field sites - Meet to review with WSC on March 16 - Field inspection of WWTP electrical planned for late March
 - Sewer Station Electrical Condition Assessments: See WWTP Condition Assessment
 - Recycled Water Master Plan (Consultant: TBD) - Draft Request for Proposals (RFP) in review by staff - Meeting March 22 to discuss - Advertisement will hold off until after budget is resolved
 - Sewer Crossing Condition Assessment (Consultant: TBD) - Staff has developed prioritization criteria for consultants to consider in ranking the 150 crossings for inspection - Staff has collected all available as-built information for crossings and developed a catalog of relevant information

OTHER

- a. El Dorado Water Agency (EDWA) Projects
 - Staff is refining list of projects to submit to EDWA for funding
 - EDWA funding may be limited this year, which may delay asset management programs
- b. Consultant Request for Qualifications (RFQs)
 - Staff will prepare common rubric for scoring Statement of Qualifications (SOQs)
 - Staff is preparing two more SOQs for advertisement for as-needed construction services and as-needed corrosion protection services
 - Currently have five opportunities open: CCTV Coding, Survey, Environmental Documentation, Specialty Engineering and SCADA/Radio Programming
- c. CIP Planning
 - Engineering provided Finance with an \$83M Sewer Plan and \$68M Water Plan
 - Current system needs are \$108M (Sewer) and \$98M (Water)
 - Staff is developing a new plan that reflects 0% rate increases for Fiscal Year 2021/22