



# **SOUTH TAHOE PUBLIC UTILITY DISTRICT**

## **WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING**

**Tuesday, January 18, 2022**

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

**District Office, Conference Room 1<sup>st</sup> Floor  
1275 Meadow Crest Drive, South Lake Tahoe, California**

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**David Peterson**

**OPERATIONS COMMITTEE**

**Shane Romsos**

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(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
    - No news as of January 12
  - b. Water System
    - Ongoing water quality concerns on steel mains
  - c. Sewer Collection System
    - No news as of January 12
  - d. Wastewater Treatment Plant (WWTP)
    - No news as of January 12
  - e. Export System/Recycled Water Facilities
    - Emergency operations over Christmas and New Years
    - Luther Pass surge arrestor replacement
    - Luther Pass Pumps No.'s 1 and 2 installation
3. **ENGINEERING ISSUES**
  - a. General
    - Capital Improvement Plan (CIP) Program Update
  - b. Water System
    - Bowers and Bijou Projects pre-bid meeting held January 4
    - Upper Truckee River (UTR) Meyers Crossing Waterline Replacement update
  - c. Sewer Collection System
    - No news as of January 12

- d. WWTP
  - No news as of January 12
- e. Export System/Recycled Water Facilities
  - No news as of January 12

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

**5. SPECIAL REPORT**

- a. Tahoe Keys Emergency Supply Update

**6. ADJOURNMENT** (Next meeting is planned for Monday, February 14, 2022, 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

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## **ENGINEERING STAFF REPORT (as of January 12, 2022)**

### **CONSTRUCTION PROJECTS**

- a. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
  - Rocks and debris removed from Tank No. 2 inlet
    - Ready to return to service for winter
  - Planning for final test of sleeve valve
- b. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
  - Contractor preparing for second retest of leaking center column seal before proceeding with operational test and return to service
- c. Rocky 1 Waterline Replacement Project (Contractor: Haen)
  - Work on Price Road Pressure Regulating Valve (PRV) continuing
    - Enclosure and piping in place
- d. Keller Heavenly Phase 1 Project (Contractor: White Rock)
  - Concrete core of foundation and anchor bolt pull test scheduled for December 11
    - Postponed indefinitely due to weather and snowpack
- e. Blower Generator, Secondary Clarifier No.'s 1/2, and Tank Backup Power (Contractor: Vinciguerra)
  - Staff is working through battery system details and submittals with contractor
  - Clarifier mechanism supplier may seek additional compensation due to material price escalation
  - Generator electrical work progressing through the winter

- f. Tank Coatings Touchup Project (Contractor: Topline Engineers)
  - Board approved Change Order for extra quantities installed at Angora Tank at January 6 Board meeting
  - Staff has requested quotes for anodes and will order this month
    - 22-26 week lead time
  
- g. Tahoe Keys Pump Station Rehabilitation Project (Contractor: T&S Construction)
  - Contractor and staff working together on submittal submission and review
  - Staff has received Land Capability and Land Coverage Verifications from TRPA
  - Staff submitted Historic Determination to TRPA week of January 10 and is preparing Project Permit Application by end of January
  
- h. Paloma Well Rehabilitation (Contractor: Zim Industries)
  - Contractor has completed gyroscopic survey of existing well
    - Staff is reviewing results to provide direction on well rehabilitation needs to contractor
  - Old motor has been removed from site for decontamination
    - Replacement motor is in transit

### **PLANNING/DESIGN**

- a. Groundwater Management Planning
  - Groundwater Management Plan (GWMP) Update
    - Stakeholder Advisory Group (SAG) meeting held January 12 to review draft alternative plan prior to circulation
    - Staff and Brownstein finalizing draft for circulation to SAG
    - Staff preparing extended schedule for submission to the State in December
    - On track to submit updated report to State by end of March 2022
  - 2021 Water Year Annual Report
    - Report is being prepared by staff for submission by April deadline
    - Includes updates to groundwater model and hydrologic data
  
- b. Keller-Heavenly Phase No. 3 Project (Consultant: Farr West)
  - Consultant has prepared two alternatives for Lookout Tank Road
    - Staff commenting
  
- c. Al Tahoe/Bayview Backup Power and Well Rehabilitation Project (Consultant: TBD)
  - Staff issued Request for Proposals for engineering design services on January 14
    - Proposals due February 11
  - Project scope include alternatives evaluation and design for backup power options for both Al Tahoe and Bayview Wells, mechanical/electrical upgrades for Al Tahoe Well, and well rehabilitation for Al Tahoe Well
  
- d. Bijou Pump Station Project (Consultant: TBD)
  - Staff is preparing Request for Proposals for design services, with intent to advertise week of February 7

- e. Tallac Creek Crossing (Consultant: NHC)
  - Staff is reviewing final permit applications in preparation for Fall 2022 construction
  - Project scope appears to fall below threshold for new Army Corps nationwide permit for utility work, simplifying Army Corps permitting process
  
- f. Future Waterlines
  - UTR Meyers Crossing
    - Board approved Reimbursement Agreement on December 16
    - County has reported that bridge cannot be redesigned to support pipeline
  - Bowers/Bijou
    - Board authorized two separate projects for Bid on December 16
    - Both projects advertised on December 17 and held concurrent Mandatory Pre-Bid meetings on January 4
  
- g. Water System Asset Management Projects
  - Water Crossings Condition Assessment
    - See Sewer Crossings Condition Assessment
  - Water Station Electrical Condition Assessments
    - Staff has reviewed and commented on Request for Qualifications (RFQ) prepared by consultant for station electrical testing
    - Expect to commence in February or March
  - Well Performance Monitoring
    - 2021 Well Testing has concluded with Helen Well and retest of Al Tahoe performed in last month
  - Flushing Tool
    - Staff is working together to develop a Laserfiche form for tracking water quality and flushing activities
  - Fire Hydrant Assessment
    - Staff has started reviewing data to develop a long-term plan
  
- h. Sewer System Asset Management Projects
  - WWTP Condition Assessment (Consultant: Water Systems Consultants)
    - Staff is planning to commence with underground piping assessments over winter, as opportunities arise
  - Sewer Station Electrical Condition Assessments
    - See Water Station Electrical Condition Assessments (above)
  - Recycled Water Strategic Plan (Consultant: Carollo)
    - Staff is organizing the SAG and preparing for first public meeting (virtual) planned for February 8 at 4 p.m.
  - Sewer Crossings Condition Assessment (Consultant: Cardno)
    - Staff met with consultant on January 6 to review Geographic Information Systems (GIS) tool for crossing information with positive results
  - Sewer Flow Monitoring Program (Consultant: Carollo)
    - Staff has continued winter monitoring of stations and snowpack (no snow yet)

**OTHER**

- a. Luther Pass Pump Replacements
  - New pump in place at position No. 2; old pump No. 1 returned to position No. 1
  - Staff gearing up to investigate high vibrations seen at position No. 1 before resuming installation of new pump at this location
- b. Tahoe Keys Emergency Supply (Consultant: Carollo)
  - Staff plans to meet with consultant to discuss progress on Task 1 week of January 19
- c. Tamarack and Caldor Fires
  - Staff is finalizing costs for tree removal work for submission for reimbursement
- d. Truckee Marsh Sewer
  - Staff has been contacted by a customer and is working with California Tahoe Conservancy (CTC) to address high water in marsh and protect gravity sewer from inundation
- e. Diamond Valley Ranch (DVR) Reporting
  - Irrigation system annual report is being prepared by staff for submission to Lahontan by February 1 deadline
  - Annual Indian Creek Reservoir Total Maximum Daily Load (ICR TMDL) Report is being prepared by staff for submission to Lahontan by deadline at end of February
- f. WWTP Solar Project
  - Staff met with Prostar/CORE on January 7 to discuss Project status
  - Prostar/CORE to provide updated finance options/project details week of January 18
  - Solar Ad-Hoc Committee tentatively scheduled for January 24
- g. Water Loss Regulations
  - State approved custom factors for water loss calculation
  - Staff will be providing training to other water districts how to successfully customize factors
- h. Annual CIP Update
  - “Needs Based Plans” and “Budget Based Plans” both provided to Finance for analysis
  - Board Workshop on the CIP scheduled for February 17