



**SOUTH TAHOE PUBLIC UTILITY DISTRICT  
WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING**

**Monday, February 14, 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**

Please join the meeting in person or remotely from your computer, tablet or smartphone:

Microsoft Teams Meeting

Join on your computer or mobile app [Click here to join the meeting](#)

Or call in (audio only) +1 332-249-0500, 785467777#

Phone Conference ID: 785 467 777#

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David Peterson

OPERATIONS COMMITTEE

Shane Romsos

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**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
    - Long material lead times are impacting Operation and Maintenance (O&M) progress
    - Monthly Reactive Work Order report
  - b. Water System
    - No news as of February 8
  - c. Sewer Collection System
    - No news as of February 8
  - d. Wastewater Treatment Plant (WWTP)
    - Centrifuge No. 1 high temperature investigation
  - e. Export System/Recycled Water Facilities
    - Luther Pass Pumps vibration investigation
3. **ENGINEERING ISSUES**
  - a. General
    - Capital Improvement Plan (CIP) Program Update
  - b. Water System
    - Bowers Waterline Project Bid Results
    - AI Tahoe Well Rehabilitation Request for Proposals (RFP) Results
  - c. Sewer Collection System
    - No news as of February 8

- d. WWTP
  - Grout failure at Secondary Clarifier No. 3
  - Secondary Clarifier 2 mechanism procurement
- e. Export System/Recycled Water Facilities
  - No news as of February 8
- 4. **DISCUSSION OF STAFF REPORT** (Board Members pull items of interest from Engineering Staff Report below for further discussion)
- 5. **SPECIAL REPORT**
  - a. Sewer Rehabilitation Planning: Geographic Information Systems (GIS) Mapping Tools (Julie Ryan)
  - b. Tahoe Keys Emergency Supply Update
- 6. **ADJOURNMENT** (Next meeting is planned for Monday, March 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 February 8, 2022)**

### **CONSTRUCTION PROJECTS**

- a. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
  - Tank 2 has been returned to service
    - Contractor will return in Spring to coat exterior
- b. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
  - New grout skim coat failed catastrophically on January 22 while empty
  - District has hired a third-party consultant to collect forensic information prior to reconstruction
  - Delays returning clarifier to service would impact commencement of Clarifier No. 2 Project
- c. Blower Generator, Secondary Clarifiers No.'s 1 & 2, and Tank Backup Power (Contractor: Vinciguerra)
  - Staff is working through battery system details and submittals with contractor
  - Staff is assessing a formal request by the clarifier mechanism supplier for additional compensation due to material price escalation
  - Automatic transfer switch for blower generator delivered and being installed

- d. Tahoe Keys Pump Station Rehabilitation Project (Contractor: T&S Construction)
  - Contractor has submitted an alternative shoring plan that would result in an alternative foundation design for the valve vault
    - Staff and consultant are considering it
  - Staff has submitted TRPA Project Permit Application and is waiting assignment
  
- e. Paloma Well Rehabilitation (Contractor: Zim Industries)
  - Staff has prepared the well rehabilitation requirements and issued the Notice to Proceed to the contractor
  - Replacement motor has been delivered to the contractor's Fresno facility
  
- f. Bowers Waterline Replacement Project (Contractor: TBD)
  - Bids opened on February 8
    - One bid received from Vinciguerra Construction
  - Staff is reviewing bid submission and will make a recommendation for award to the Board on February 17
  - Staff is working with the City on an Agreement to pay a fee in lieu of restoring pavement as part of the project
    - The Agreement is expected to accompany the award recommendation on February 17
  
- g. Bijou 2/3 Waterline Replacement Project (Contractor: TBD)
  - Bids are due February 17
    - Seven contractors eligible to bid

### **PLANNING/DESIGN**

- a. Groundwater Management Planning
  - Groundwater Management Plan (GWMP) Update
    - Staff reported to the Board the contents of the plan update at the February 3 Board meeting
    - The plan update was circulated for public comment on February 9
    - The public comment period will end March 11, 2022
  - Groundwater modeling (Consultant: Desert Research Institute (DRI))
    - Staff is working with DRI to extend the groundwater model to include data through the 2021 Water Year
  
- b. Keller-Heavenly Phase 3 Project (Consultant: Farr West)
  - Bid documents are being prepared for advertisement by end of February
  - Staff will bring a Request for Authorization to Bid to the Board for consideration on February 17
  
- c. Al Tahoe/Bayview Backup Power and Well Rehabilitation Project (Consultant: TBD)
  - Proposals for design services are due February 11
  - Staff intends to select a consultant and bring the recommendation to the Board in March

- d. Bijou Pump Station Project (Consultant: TBD)
  - Staff is preparing Request for Proposals for design services, with intent to advertise February 25
  
- e. Future Waterlines
  - Staff has commenced design of Herbert Walkup Waterline and is assessing condition of sewer mains in the project area for possible addition to the scope
  - Staff is preparing environmental documentation to support loan applications for the Glenwood Rancho and Tahoe Mountain Waterline Projects
  
- f. Water System Asset Management Projects
  - Water Crossings Condition Assessment
    - See Sewer Crossings Condition Assessment
  - Water Station Electrical Condition Assessments (Consultant: WSC/HDR)
    - Consultant has issued electrical testing Request for Qualifications (RFQ) on District's behalf
    - Waiting on responses
  - Valve turning tool
    - Tool is expected to be delivered on February 9
  - Water Leaks/Water Loss Program
    - Staff is preparing Annual Board Report for March 3
  
- g. Sewer System Asset Management Projects
  - Sewer Station Electrical Condition Assessments
    - See Water Station Electrical Condition Assessments (above)
  - Recycled Water Strategic Plan (Consultant: Carollo)
    - The first public meeting (virtual) was held February 8 at 4 p.m.
    - Nearly 60 participants
  - Sewer Crossings Condition Assessment (Consultant: Cardno)
    - Consultant is preparing GIS tool to be transferred to the District
  - Lower Shops Improvement Project
    - Staff is preparing to kick off the working group
  - Closed Circuit Television (CCTV) Program
    - Staff is preparing Annual Board Report for March 17

## **OTHER**

- a. Luther Pass Pump Replacements
  - Staff is working with WSC/HDR to investigate high vibrations seen at position No. 1
    - Collecting vibration data and physical measurements
  
- b. Tahoe Keys Emergency Supply (Consultant: Carollo)
  - Staff met with consultant to discuss progress on Task 1 on January 19
  - Staff has provided consultant with updated Max Day Demands for the District's water system and updated production data for Keys system to consider in their analyses
  - Expect Task 1 to be complete by end of February

- c. Truckee Marsh Sewer (Consultant: NHC)
  - Staff expects final report from NHC by end of February
  - California Tahoe Conservancy (CTC) commented on final draft regarding their plans for beaver control
  
- d. Diamond Valley Ranch (DVR) Reporting
  - Irrigation System Annual Report submitted to Lahontan by February 1 deadline
  - Annual Indian Creek Reservoir (ICR) Total Maximum Daily Load (TMDL) Report is being prepared by staff for submission to Lahontan by deadline at end of February
  
- e. WWTP Solar Project
  - Solar Ad-Hoc Committee meeting scheduled for January 24 was postponed indefinitely
  - Prostar/CORE provided updated financial analysis on February 2
    - In review by staff and consultants
  - Staff met with Prostar/CORE on February 7 to discuss Project status
    - Additional submittals are due to District by February 11
  
- f. Annual CIP Update
  - Board Workshop on the CIP scheduled for February 3 postponed to February 17
  
- g. Engineering Staffing
  - Engineering Technician Cross-training
    - An opportunity has been advertised to recruit staff interested in this position
  - Water Resource Manager
    - Recruitment is expected to commence the week of February 18

# Monthly Reactive Work Orders

