



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Monday, December 13, 2021

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

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

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
 - No news as of December 8
 - b. Water System
 - Ongoing water quality concerns on steel mains
 - Al Tahoe Well high amps
 - South Upper Truckee Well megger trending down
 - c. Sewer Collection System
 - Bijou wet well safety inspection on December 7
 - d. Wastewater Treatment Plant (WWTP)
 - Together with Pumps Crew, performing semi-annual flushing of Trout Creek force main
 - Leak on 3W System at holding ponds
 - e. Export System/Recycled Water Facilities
 - Harvey Place Indian Creek Reservoirs annual dam inspections performed December 6
 - 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 advertising for bids December 17
 - Keller Tank foundation
 - c. Sewer Collection System
 - No news as of December 8
 - d. Wastewater Treatment Plant (WWTP)
 - Secondary Clarifier No. 3 preparing for functional testing and return to service
 - e. Export System/Recycled Water Facilities
 - Luther Pass Tank No. 2 preparing to return to service
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 Tuesday, January 18, 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

ENGINEERING STAFF REPORT (as of December 8, 2021)

CONSTRUCTION PROJECTS

- a. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
 - Interior coating is complete
 - Preparing Tank No. 2 to return to service for winter
 - Exterior coating will be installed when temperatures allow in 2022
- b. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
 - Weirs failed to hold water when tested
 - Contractor to seal and commence 10-day Operational Test immediately
- c. Rocky 1 Waterline Replacement Project (Contractor: Haen)
 - Work on Price Road Pressure Regulating Valve (PRV) continuing
- d. Keller Heavenly Phase 1 Project (Contractor: White Rock)
 - New tank foundation failed 56-day concrete testing
 - Staff coordinating concrete core of foundation and anchor bolt pull test for December 11, weather pending

- e. Blower Generator, Secondary Clarifiers No.'s 1 and 2, and Tank Backup Power (Contractor: Vinciguerra)
 - Generator was set on the slab in mid-November
 - Electrical work scheduled to progress through the winter
- f. Tank Coatings Touchup Project (Contractor: Topline Engineers)
 - District's insurer rejected contractor claims for extra cost due to evacuation
 - Staff preparing Change Order for extra quantities installed only
- g. Paloma Well Rehabilitation (Contractor: Zim Industries)
 - Contractor was on-site first week of December to install soundproofing and prepare for well inspection
 - Outside specialty inspections being provided by Farr West Engineering

PLANNING/DESIGN

- a. Groundwater Management Planning
 - No news as of December 8
- b. Keller-Heavenly Phase 3 Project (Consultant: Farr West)
 - Consultant preparing final design and bid documents
 - Staff plans to add design of Keller and Paloma generators (FEMA funded) to scope
 - On track to bid in Spring 2022
- c. Blower System Improvements Design (Consultant: Carollo)
 - Project Kickoff Meeting held December 8
- e. Future Waterlines
 - Upper Truckee River (UTR) Meyers Crossing
 - Staff working to submit preliminary design to County on December 12 for funding/permit applications
 - Board to consider Reimbursement Agreement on December 16
 - Bowers/Bijou
 - Staff requesting Authorization for Bid on December 16 for two separate bids
 - Both projects will advertise on December 17
- f. Water System Asset Management Projects
 - Water Crossings Condition Assessment
 - See Sewer Crossings Condition Assessment
 - Water Station Electrical Condition Assessments
 - Staff is working with consultant and Liberty to coordinate station electrical testing in January or February 2022
 - Well Performance Monitoring
 - 2021 Well Testing has continued with Arrowhead, Valhalla, Sunset, Elks Club and Helen wells all tested 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

- g. Sewer System Asset Management Projects
 - WWTP Condition Assessment (Consultant: Water Systems Consultants)
 - Staff received results of preliminary structural assessment
 - Review meeting held December 8
 - Sewer Station Electrical Condition Assessments
 - See Water Station Electrical Condition Assessments (above)
 - Recycled Water Strategic Plan (Consultant: Carollo)
 - Staff has been working to fulfill document request from consultant
 - Sewer Crossings Condition Assessment (Consultant: Cardno)
 - Virtual meeting held on November 15 to review initial list of 27 high priority pipes (gravity sewer main, export main and water main)
 - Sewer Flow Monitoring Program (Consultant: Carollo)
 - Staff has commenced winter monitoring of stations and snowpack (no snow yet)

OTHER

- a. Luther Pass Pump Replacements
 - High vibrations on Pump 1 after installation
 - Staff is troubleshooting
- b. Tahoe Keys Emergency Supply (Consultant: Carollo)
 - Staff provided consultant with updated water model
 - Task 1 underway
- c. Tamarack and Caldor Fires
 - Staff has submitted reimbursement requests to FEMA for response and damage costs
 - FEMA returning very specific questions
 - Complete request due by mid-December
 - Staff is meeting to discuss CalOES reimbursement opportunities and developing a scope for forestry improvements
 - California Division of Safety of Dams (DSOD) inspection revealed that toe-drains for Harvey Place Reservoir and Indian Creek Reservoir were undamaged by fire
- d. WWTP Solar Project
 - Staff met with CORE on November 12 to discuss Project status
 - Staff is waiting for Prostar/CORE response to last round of comments on Purchase Power Agreement (PPA)
 - Solar Ad-Hoc Committee scheduled for December 14
- e. Water Loss Regulations
 - Staff submitted "adjustment request" to State on December 7
- f. Annual CIP Update: "Needs Based Plans" presented to staff on December 7 and 9
 - Planning a Board Workshop on the CIP for February 1