



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

**Monday, July 18, 2022
3:30 p.m. to 5:00 p.m.**

**District Office, Conference Room 1st Floor
1275 Meadow Crest Drive, South Lake Tahoe, California
Remote participation will be accommodated from the following location:
4658 Willow Crest Avenue
Toluca Lake, CA 91602**

David Peterson

OPERATIONS COMMITTEE

Shane Romsos

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

A G E N D A

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
 - Monthly Reactive Work Order report
 - b. Water System
 - Ongoing water quality concerns on steel mains
 - Fire Hydrant Inspections
 - c. Sewer Collection System
 - d. Wastewater Treatment Plant (WWTP)
 - Secondary Clarifier #3 in service
 - e. Export System/Recycled Water Facilities
 - Cyanobacteria Sampling at ICR
3. **ENGINEERING ISSUES**
 - a. General
 - Caldor and Tamarack Funding Update
 - Waterline Funding Update
 - Engineering Staffing Needs
 - Front-End Spec Review
 - b. Water System
 - Keller Tank Foundation
 - Black Bart Waterline
 - c. Sewer Collection System
 - Tallac Creek Sewer Crossing
 - d. Wastewater Treatment Plant (WWTP)

- Secondary Clarifier 3 Change Order Request from Contractor for grout failure
- e. Export System/Recycled Water Facilities
 - Luther Tank 2 Liquidated Damages assessment

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, August 15, 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 July 13, 2022)

CONSTRUCTION PROJECTS

- a. Secondary Clarifier 3 Rehabilitation Project (TNT Industrial)
 - Launder work completed and clarifier, passed 10-day test and returned to service week of June 20
 - Contractor has submitted a \$127K claim for replacing failed grout layer; Staff returned a response on July 11
- b. WWTP Emergency Generator Project (CalElectro)
 - Board approved balancing change order on June 16
 - Staff waiting on response to one outstanding Contract Change Request before bringing Notice of Completion to Board for approval
- c. Luther Pass Tank 2 Replacement (TNT Industrial)
 - Tank 2 Exterior Coating completed and tank back online
 - Contractor working to complete punchlist week of July 12
 - Staff preparing Notice of Completion for Board consideration on July 21
 - Substantial Liquidated Damages accrued on project; Staff working on resolution
- d. Rocky 1 Waterline Replacement Project (Haen)
 - Stewart Way WL replacement has been completed
 - Contractor to begin mainline on Mackedie week of July 18
 - County inspection of Susquehana electrical service completed on July 11; waiting for Liberty to complete the power drop
 - Liberty completed the power drop, but waiting for City to do final inspection of electrical service for Price Road PRV
 - Expect testing of PRV control systems first week of August
- e. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Vinciguerra)
 - Tank backup battery enclosures have begun to arrive to electricians shop, so contractor needs to finalize the foundation and mounting design

- Staff has requested a meeting with Contractor to discuss updated project schedule for clarifiers
 - Staff is preparing a change order for Radio Tower for Board consideration on July 21
 - Contractor completing punchlist items for Blower Generator, before Staff proceeds with partial closeout
 - Staff is working with Contractor on schedule to complete both Secondary Clarifiers 1 and 2 in 2023
 - Staff is reviewing foundation submittal for Tank Batteries; Electrical subcontractor is building out the electrical cabinets at their shop
 - Contractor is struggling to obtain Builders Risk for the Battery and Radio Tower portions of the project
- f. Paloma Well Rehabilitation (Zim Industries)
- Staff met with Contractor on July 12, to discuss their lack of progress and schedule for completion
- g. Tahoe Keys Pump Station Rehabilitation Project (T&S Construction)
- Shoring and dewatering system have been installed; wetwell excavation is progressing to 30 ft bgs (expect another week or two)
 - No PCE has been detected in dewatering water
- h. Bowers & Bijou 2/3 Waterline Replacement Projects (Contractor: Vinciguerra)
- Bijou 2/3 portion of project passed pressure testing; disinfection and bacteriological testing underway
 - Mainline installation is progressing in Bowers project area, expect installation to be complete by July 22
 - Staff working with customer and surveyor on easement for mainline in Ham Lane area, which will be deleted from Bijou project and added Black Bart project
- i. Keller Heavenly Phases 1, 2 and 3 Project (White Rock)
- Board authorized award of Phase 3 bid to White Rock on June 16
 - Board authorized Change Order for Phase 2 tank cost escalation on June 16
 - Staff will bring a Change Order for Phase 1 to Board on July 21 for ...
 - Anchor bolts passed pull test, but concrete core of foundation failed
 - White Rock has demolished foundation; V&C procuring new rebar for repour in late July at no cost to District
 - Rock slope stabilization is complete and concrete cylinders passed testing
 - Expect tank construction to proceed in late August
 - Keller PRV #1 is complete and in service
- j. Tanks Touchup Project (Topline Engineers)
- Contractor remobilized to WWTP June 20; Backwash Tank ceiling recoating in progress
 - Adding areas to repair in Solds Tank
 - Expect Contractor to move to Iroquois Tank last week of July
- k. WWTP Fuels Reduction Project (CCC)
- Staff met with CCC and CTC July 8 following their site walk; expect field work along Heavenly Creek and ERB to be complete by July 15

PLANNING/DESIGN

- a. Groundwater Management Planning
- Groundwater Sustainability Agency: Staff is working to schedule SAG Workshop II
 - Groundwater Management Plan: Alternative Plan posted for public comment on May 16; no comments received as of July 12; comments received through September 25

- Groundwater Modeling (Consultant: DRI): Staff working with consultant to modify annual process for updating South Tahoe Groundwater Model
- Drought Executive Order (EO-N-7-22): Staff working with El Dorado County Environmental Management Division to develop compliant process for well permitting; Staff will participate in Drought Planning Task Force (SB552) as GSA representative
- b. Tallac Creek Sewer Crossing (Consultant: NHC)
 - Mandatory pre-bid meeting held June 23; 5 contractors attended
 - Bids opened July 13; two bids received; Haen Constructors apparent low bid
 - Staff preparing recommendation for award for Board to consider on July 21
 - Emergency repairs authorized by Board on July 7; Staff will recommend emergency be continued at July 21 Board Meeting, until permanent project's contractor mobilizes
 - Project permitting activities continuing
- c. Black Bart Waterline Replacement Project
 - Staff finalizing plan set, and beginning to compile specifications with intent to advertise early August for construction in 2023
 - Staff bringing Authorization to Bid to Board for consideration on July 21
- d. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
 - Consultant submitted draft Alternatives Evaluation and Well Test Report on July 12, for review and comment; workshop is scheduled for July 26
- e. Bijou Pump Station Project (Consultant: WSC)
 - Draft of Alternatives Evaluation due from consultant by July 15
- f. Luther Pass Tanks Rehabilitation Project (Consultant: Bayez and Patel)
 - Staff is coordinating and interior inspection of Tank 1 and surge tank structure modifications
- g. Upper Truckee Pump Station Rehabilitation (Consultant: Carollo)
 - Staff working with Consultant to finalize design with focus on control systems, for bidding this fall
- h. Future Waterlines
 - Staff navigating cultural resource issues on Tahoe Mtn Waterline Project
 - Staff supporting Engineering Reports for pending SRF Applications
 - Staff working to finalize Env Docs for pending SRF Applications
 - Staff working to procure survey services for Glenwood Rancho this summer
- i. Water System Asset Management Projects
 - Recirculatory Flushing: Staff has completed assessment of system valves in Al Tahoe neighborhood and requested proposal from No-Dez
 - Fire Hydrant Flow Testing: Staff has drafted a Standard Operating Procedure, prior to URW commencing with testing in Meyers
 - Valve Exercising Program: Troubleshooting new tool in advance of developing comprehensive plan in coordination with URW; starting in Barton area
 - Water Station Electrical Condition Assessments: draft reports from testing received and circulated for review by Staff and consultant
- j. Sewer System Asset Management Projects
 - WWTP Condition Assessment (Consultant: Water Systems Consultants): completed TV assessment of 6 sections of piping in mid-June; waiting for tank coatings to be completed before proceeding with more
 - WWTP and Sewer Station Electrical Condition Assessments: See Water Station Electrical Condition Assessments (above)
 - Snowpack and Sewer Flow Monitoring Program (Consultant: Carollo): Staff is working on a parts list to upgrade failing flow monitoring components before winter

OTHER

- a. Tahoe Keys Emergency Supply (Consultant: Carollo)
 - Final draft of Carollo report (Tasks 1 and 2) provided to Keys for comment (due 7/12); expect final memo to be distributed on 7/15
 - Staff expects that Keys will authorize Staff to proceed immediately with Task 3 (Keys System Condition Assessment)
 - Initial analyses identified deficiency in supply for existing District customers; needs to be addressed before adding Keys supply
 - Keys has hired a new Interim General Manager with experience in water systems
 - Expect Keys Board to consider the path forward for their water system on July 20
- b. Community Project Support and Interagency Coordination
 - Staff working with City to provide system information in support of Bike Trail project (Needle Peak to Ski Run)
 - Staff provided Lake Valley Fire with system data to help update community ISO rating
 - Staff coordinating field meeting with EID to demonstrate concerns over County's new trench slurry backfill requirements
 - Staff will meet with TCPUD Staff on July 20 to share Caldor Fire lessons learned
 - Staff working with County to prepare final easement for A-Line/UTFM
 - Staff provided letter of support for Bike Path to airport
 - Staff is coordinating with Caltrans on Hwy 50 Safety Improvements (y to Stateline) from 2025 to 2028
- c. WWTP Solar Project (Staten)
 - Staten provided comments first on License Agreement for use of property; Staff returned comments on the extensive markup
 - Staff expecting Staten to switch funders before proceeding with PPA markup
 - Staten communicated to Staff that the August 4 deadline for finalizing PPA is flexible, without impacts to price or schedule
- d. Engineering Staffing:
 - Water Resources Manager: Staff will hold second round interviews on July 29
 - Engineering Intern: One intern will be with the Department through mid-September
 - Staff Engineer: Staff will hold interviews on July 28
 - Asset Management Analyst: the Department is providing a one-month cross-training opportunity for existing District Staff prior to proceeding with recruitment in mid-August
 - Engineering Technician Cross-Training: re-posting of opportunity has been put on hold, pending further discussion amongst Staff