



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Monday, June 14, 2021

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

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

Please join my meeting from your computer, tablet or smartphone:

<https://global.gotomeeting.com/join/684664237>

You can also dial in using your phone:

United States (Toll Free): [1-866-899-4679](tel:1-866-899-4679)

Access Code: 684-664-237

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
 - United States Forest Service (USFS) detection of polyfluoroalkyl substances (PFAS) in groundwater at Meyers Landfill site
 - b. Water System
 - Normuk Main break
 - Sierra Tract flushing
 - c. Sewer Collection System
 - No news as of June 9
 - d. Wastewater Treatment Plant (WWTP)
 - Emergency Retention Basin (ERB) Liner Damage
 - Broken operator frame at primary effluent junction box
 - e. Export System/Recycled Water Facilities
 - Dam valve maintenance
 - Crew began first alfalfa cut of season on June 9

3. ENGINEERING ISSUES

- a. General
 - No news as of June 9
- b. Water System
 - Airport Booster Station Water Hammer Issues
- c. Sewer Collection System
 - No news as of June 9
- d. Wastewater Treatment Plant
 - No news as of June 9
- e. Export System/Recycled Water Facilities
 - Oxygenation system at Indian Creek Reservoir (ICR) is out of service - awaiting repairs

4. DISCUSSION OF STAFF REPORT (Board Members pull items of interest from Engineering Staff Report below for further discussion)**5. SPECIAL REPORT**

- a. Year One Results: Baseform Artificial Intelligence tool for water system condition (Steve Caswell)
- b. Tahoe Keys Emergency Supply Update

6. ADJOURNMENT (Next meeting is planned for Monday, July 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
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ENGINEERING STAFF REPORT (as of June 9, 2021)

CONSTRUCTION PROJECTS

- a. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
 - Tank No. 2 reconstruction has commenced
 - Expect erection to take four weeks
 - Defective sleeve valve body was replaced and tested on June 7
 - This valve failed the pressure test too
 - Leak in valve body
 - Investigation in progress
- b. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
 - Schedule for installation of new communications tower at the WWTP is in jeopardy due to delays in TRPA permit review
 - Clarifier No. 3 is offline
 - Construction is progressing

- c. Rocky 2 Waterline Replacement Project (Contractor: Haen)
 - Stop Notice Period ends on July 2
 - Staff will bring Closeout Agreement and final Change Order (if any) to Board on July 15
- d. Rocky 1 Waterline Replacement Project (Contractor: Haen)
 - Contractor is progressing with Rocky 1 Waterline installation and planning for Mackedie
- e. Keller Heavenly Phase 1 Project (Contractor: White Rock)
 - Demolition work at tank site has commenced
 - Staff expressed concerns over shut-down of Upper Saddle Zone due to ongoing water quality issues
 - Extra Work - a tank bypass will be added in this phase to allow Upper Saddle Zone to stay in service
- f. Blower Generator, Secondary Clarifiers No.'s 1 and 2, and Tank Backup Power (Contractor: Vinciguerra)
 - Partial Notice to Proceed issued June 10
 - Excluding mobilization for Blower Generator and Secondary Clarifiers and any work on Tank Backup Power
 - Pre-construction meeting planned for week of June 14
 - Staff is working with contractor to value engineer Tank Backup Power Scope of Work
 - If savings cannot be found, this work will be removed from the Contract
 - Mobilization for Blower Generator is on hold pending FEMA environmental clearance
 - Awaiting Secondary Clarifiers funding
 - \$2.25M FEMA grant and State Revolving Fund (SRF) Loan
 - Expected by end of June
- g. Diamond Valley Ranch (DVR) Siphon Repair (Contractor: Christian Brothers Lining)
 - Liner being prepared for installation in late June
 - One day to complete

PLANNING/DESIGN

- a. Groundwater Management Planning
 - South Y PCE Plume
 - Staff seeking collaboration with Lukins Brothers Water and Tahoe Keys to seek Prop 1, Round 3 implementation project funding
 - Sustainability Advisory Group Meeting scheduled for June 30, 2:00-4:00 pm
 - Topics for discussion include:
 - Depletion of Interconnected Surface Waters (ISW)
 - Sustainable Management Criteria
 - TVS Subbasin Implementation Plan Projects
- b. Paloma Well Rehabilitation
 - No bids received at May 14 bid opening
 - Staff revised bid documents after talking to three potential bidders
 - Re-advertised Project on June 8
 - Virtual pre-bid meeting scheduled for June 15, 11:00 am
 - Bid opening scheduled for July 7

- c. Tahoe Keys Pump Station (Consultant: Carollo)
 - A bid alternate was added to scope to allow use of an unlined pre-cast polymer concrete instead of pre-cast concrete with liner
 - Bid opening pushed to June 23
- d. Keller-Heavenly Improvements Project (Consultant: Farr West)
 - Virtual mandatory pre-bid for Phase 2 Project held May 25
 - Seven potential bidders attended
 - Phase 2 bid opening scheduled for June 29
 - Proposal for Amendment to Phase 2 design services approved by Board on May 20
- e. Urban Water Management Plan (Consultant: Kennedy Jenks)
 - The Draft 2021 Plan is posted on the District website and will be brought to the Board for adoption on June 17
- f. Tanks Asset Management
 - Bids opened June 3
 - Four bids received
 - Apparent responsive, responsible low bidder is Top Line Engineers of Hayward, CA
 - Recommendation for award to Board on June 17
- g. Future Waterlines
 - Staff is proceeding with survey and plan development for Pioneer Trail and Herbert Walkup Waterline Projects in support of potential grant funding opportunities
- h. Water System Asset Management Projects
 - Water Station Electrical Condition Assessments:
 - Business Case Summaries (BCS) review meeting held June 9
 - Artificial Intelligence (Consultant: Baseform)
 - Staff is preparing presentation to Operations Committee in June
 - Satellite Leak Detection
 - District signed Contract with Utilis
 - Expect results end of May
 - Water Station Backup Power
 - Staff has prepared an application for FEMA Mitigation Funds for a backup generator capable of powering either Al Tahoe Well or Bayview Well from the Al Tahoe site
 - Water Crossings Condition Assessment
 - Being performed in conjunction with Sewer Crossings Condition Assessment
 - Cathodic Protection Pilot Study
 - Consultant returned to hook up pilot system
 - Initial results show 4 of 11 anodes are discontinuous with main
 - Evaluating causes and effects
- i. Sewer System Asset Management Projects
 - WWTP Condition Assessment (Consultant: Water Systems Consultants)
 - Business Case Screening (BCS) sheets for electrical and piping being finalized
 - Consultant is proceeding with preparation for structural evaluation by end of June
 - Sewer Station Electrical Condition Assessments
 - BCS in progress with Water Stations

- Recycled Water Strategic Plan (Consultant: TBD)
 - Two proposals received on May 24 are in review
 - Expect to bring recommendation to Board on July 15
- Sewer Crossings Condition Assessment (Consultant: TBD)
 - Request for Proposals advertised May 25
 - Proposals due June 18

7. OTHER

- a. Luther Pass Pump Replacements
 - Factory testing underway with expectation for pumps to ship week of June 14
 - Expect new 700 hp pumps to be delivered by end of June
- b. Tahoe Keys Emergency Supply
 - Staff has prepared a Request for Proposals (RFP) Consultant Support for system evaluations and forwarded to Keys for review
 - RFP will be sent to three consultants familiar with District water system
 - Staff has prepared a Reimbursement Agreement to cover District costs back to May 3
 - Expect this to be approved by Keys at their June 16 Board meeting
- c. WWTP Solar Project
 - WWTP utility power consumption charges increased by 31% to 11.7 cents/kWh
 - Improving significantly the financial analysis for the proposed Solar Project
 - Staff continues to work with CORE/Prostar and Optony to prepare the Power Purchase Agreement (PPA)
 - CORE/Prostar is drafting applications for the District to submit to Liberty Utilities for the new solar system
 - Ad Hoc Committee met June 7 to discuss Solar Project progress
 - Expect PPA to be brought to Board for consideration in August