



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

Monday, November 15, 2021

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 November 10
  - b. Water System
    - Ongoing water quality concerns on steel mains
    - Underground Repair Water (URW) focus on leaks and fire hydrants
    - Al Tahoe Well high amps
    - Bakersfield Well arsenic levels
  - c. Sewer Collection System
    - Close Circuit Television (CCTV) truck issues ongoing
      - Impact on annual progress
    - Underground Repair Sewer (URS) installing gravel bags on exposed sewer main Tallac Creek
      - Issues with inspection
  - d. Wastewater Treatment Plant (WWTP)
    - Together with Pumps Crew performing semi-annual flushing of six force mains
  - e. Export System/Recycled Water Facilities
    - Interim staffing plan following departure of Water Reuse Manager
    - Harvey Place Reservoir and Indian Creek Reservoir annual dam inspections scheduled for December 6
    - CalOES visited Diamond Valley Ranch (DVR) on November 12 for Tamarack Fire follow-up

- Diamond Ditch impacts from October 23 storm event
- Luther Pass surge arrestor replacement
- Luther Pass Pumps No.'s 1 and 2 installation

**3. ENGINEERING ISSUES**

- a. General
  - Grading Season Exceptions Expiring
  - Capital Improvement Plan (CIP) Program Update
  - Contractor's Forum Update
  - Crossings Assessment Update
- b. Water System
  - Paloma Well Project
  - Keller Tank Foundation
- c. Sewer Collection System
  - No news as of November 10
- d. Wastewater Treatment Plant (WWTP)
  - No news as of November 10
- e. Export System/Recycled Water Facilities
  - No news as of November 10

**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, December 13, 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 November 10, 2021)****CONSTRUCTION PROJECTS**

- a. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
  - Exterior coating scheduled for week of October 18 postponed indefinitely due to weather
  - Interior coating mobilized November 1
    - Expect to complete week of November 15

- b. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
  - Grouting floor complete and cured
  - Weir install out of compliance
    - Correct before installing covers
  - Density current baffle remains to be installed before testing
  - Ten-day Operational Test scheduled to commence mid-to-late November
  - Clarifier expected to be back in service by mid-December
  
- c. Rocky 1 Waterline Replacement Project (Contractor: Haen)
  - Rocky 1 Waterline complete, including paving
  - Work on Price Road Pressure Regulating Valve (PRV) will continue as long as weather permits
  - Susquehana PRV, Mackedie Waterline (WL), and Stewart WL delayed until 2022
  
- d. Keller Heavenly Phase 1 Project (Contractor: White Rock)
  - New tank foundation failed 28-day concrete testing
    - Awaiting 56-day results
  - Concern over installation of anchor bolts
    - Are bottom nuts in place?
  - Saddle PRV panel completion is pushed to 2022 waiting for power from Liberty to connect
    - Interties incomplete
  - Contractor has demobilized for winter
  
- e. Blower Generator, Secondary Clarifiers No.'s 1 & 2, and Tank Backup Power (Contractor: Vinciguerra)
  - Generator slab and underground work is mostly complete
  - Generator unit is on-site
    - Plan to set once concrete is cured
  - Electrical work scheduled to progress through the winter
  
- f. Paloma Well Rehabilitation (Contractor: Zim Industries)
  - Contractor will be on-site week of November 15 to remove motor and to perform plumbness and alignment test of existing well
  - Contractor's project schedule plans to remobilize first of June 2022
    - Well test end of June 2022
    - Work complete late July 2022

## **PLANNING/DESIGN**

- a. Groundwater Management Planning
  - Groundwater Management Plan (GWMP) Update
    - Staff and Brownstein finalizing draft for circulation to Stakeholder Advisory Group (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

- b. Keller-Heavenly Phase 3 Project (Consultant: Farr West)
  - Consultant preparing proposal for final design and bid documents
  - Task Orders issued to add design of Keller Booster Station Upgrades, Bypass Station, and Lookout Tank Access Road Improvements
  - Plan to advertise Phase 3 for bid in January 2022
  
- c. Blower System Improvements Design (Consultant: Carollo)
  - Board approved Task Order for design on November 4
  - Project Kickoff Meeting scheduled for December 8
  
- d. Tallac Creek Crossing (Consultant: NHC)
  - Staff is attempting to coordinate a pre-construction survey before snow piles up
  - Staff is continuing to work with consultant to finalize contract set and permitting for Fall 2022 construction
  
- e. Future Waterlines
  - Herbert Walkup Waterline
    - Staff has received survey and begun design
  - Pioneer Trail Waterline
    - Staff is working on layout for seven PRVs at three locations
  - Upper Truckee River (UTR) Meyers Crossing
    - Staff is working on design of crossing
  - Bowers/Bijou
    - Staff is preparing final plans and specs
    - Staff intends to request authorization for bid on December 2 for two separate bids
  
- f. Water System Asset Management Projects
  - Water Station Backup Power
    - Staff intends to issue a Request for Proposal (RFP) for consultant support for Al Tahoe/Bayview Backup Power in early 2022 to support 2023 or 2024 construction
  - Water Crossings Condition Assessment
    - See Sewer Crossings Condition Assessment
  - Water Station Electrical Condition Assessments
    - Board approved Phase 3 Task Order on November 4 allowing project to proceed with field electrical testing
  - Well Performance Monitoring
    - 2021 Well Testing has continued with Bakersfield, South Upper Truckee and Glenwood tested in last month
  
- g. Sewer System Asset Management Projects
  - WWTP Condition Assessment (Consultant: Water Systems Consultants)
    - Staff is expecting to receive results of preliminary structural assessment by mid-November
    - Board approved Phase 3 Task Order on November 4, allowing project to proceed with field electrical testing and underground piping assessment
  - Sewer Station Electrical Condition Assessments
    - See Water Station Electrical Condition Assessments (above)
  - Recycled Water Strategic Plan (Consultant: TBD)
    - Project kickoff held October 25

- Sewer Crossings Condition Assessment (Consultant: Cardno)
  - Consultant has completed site visits to 150+ crossing locations and has provided an initial list of 27 high priority pipes (gravity sewer main, export main and water main)
- Sewer Flow Monitoring Program (Consultant: Carollo)
  - Staff is preparing 17 monitoring stations for winter
  - Marginal increase in flows observed during October 22 rain event
- Sewer Station Monitoring Systems
  - Staff is pursuing a pilot opportunity with a low maintenance pump performance monitoring solution

## **OTHER**

- a. Tahoe Keys Emergency Supply
  - Carollo selected to perform Tasks 1 and 2 of Supply Analysis
    - Project kickoff held November 4
- b. WWTP Solar Project
  - Board authorized staff on October 21 to finalize Purchase Power Agreement (PPA) with minor modifications
  - Solar team is considering final edits proposed by District
  - Consultants continuing due diligence for permit applications and site design
- c. Water Loss Regulations
  - Expect formal rules to be published December 24 for comment
  - There is now discussion that “apparent losses” will be regulated, not just “actual losses”
- d. Contractor's Forum held on November 8
  - 15 in attendance,
  - Including 6 Generals
- e. Annual CIP Update
  - Meetings with individual departments held November 1-10
  - “Needs Based Plans” will be presented to staff on December 7 and 9