



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

Monday, October 16, 2023

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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Nick Haven

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
    - General Report on Water Quality and Water Resources
    - Monthly Reactive Work Order report
    - Winter Storm Response
    - System Efficiency
  - b. Water System
    - Ongoing water quality concerns on steel mains
  - c. Sewer Collection System
    - No news as of October 11
  - d. Wastewater Treatment Plant (WWTP)
    - Impacts of Luther Tank 1 / Filter 3&4 / Holding Ponds on Operations
  - e. Export System/Recycled Water Facilities
    - Indian Creek Reservoir Spill Cleanup and Upstream Valve Failure
3. **ENGINEERING ISSUES**
  - a. General
    - End of Grading Season – Work ongoing
  - b. Water System
    - Paloma Well Rehabilitation – Project Status
  - c. Sewer Collection System
    - Stanford Camp Electrical/Generator Building
  - d. Wastewater Treatment Plant (WWTP)
    - Secondary Clarifier 2

- e. Export System/Recycled Water Facilities
  - No news as of August 9

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

**5. ADJOURNMENT** (Next meeting is planned for Monday, November 14, 2023, 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 October 11, 2023)**

### **CONSTRUCTION PROJECTS**

- a. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Contractor: Vinciguerra)
  - Contractor needs to secure ladder on Radio Tower and fix leak on conduit (shorting switches in junction box) before project can be closed out
  - Contractor still working to install security cameras as "extra work" at tank battery sites; may need to continue into Spring 2024
  - Lookout battery throws rectifier alarm when battery online; Contractor will troubleshoot and confirm if alarm is result of vandalism
  - Staff is waiting for Contractor to execute Assignment of Contract for unused materials on Secondary Clarifiers 1 and 2
  - Staff postponed Notice of Completion and Change Order until November 3 for Board consideration
- b. Secondary Clarifier 2 Rehabilitation Project (Contractor: T&S)
  - Concrete cores of foundation passed strength testing; petrographic testing scheduled for week of October 16
  - Surface preparation of clarifier floor underway; grout pour scheduled for October 11
- c. Luther Pass 1 / Heavenly Tanks Rehabilitation Project (Contractor: RDC)
  - Replacement of rafters on Luther Tank 1 is underway and is expected to complete week of October 9; expect tank to remain offline with open wall through winter
  - Replacement of inlet/outlet valves for Luther Tank 1 postponed to week of October 17
  - Heavenly Tank exterior recoating work is complete
  - Board approved Change Order 1 on October 5, extending contract time and authorizing additional cost to manage excess water at Luther Tank 1 last spring
- d. Flagpole 2 / Iroquois 2 Tanks Recoating Project (Contractor: RDC)
  - Work is nearing completion; manufacturer's rep on-site week of October 2 to defects in interior coating and recommend repairs
  - On October 5, Board authorized General Manager to authorize Notice of Completion upon completion of work
- e. 2023 Tanks Touchups Project (Contractor: Unified Field Services)

- Notice of Completion recorded by El Dorado County on September 11, starting 30-day Stop Notice filing period
  - Staff is preparing to bring Closeout Agreement and final balancing Change Order to Board for consideration on October 19
- f. Barton Area Valves Installation (Contractor: Haen)
- Board approved Change Order 1 on October 5, adding work in Barton area to abandon redundant mains and adding work at Bijou Center to install a new manhole
  - Work is nearing completion, with paving scheduled for week of October 16
  - Staff is preparing an agenda item for Board consideration on October 19 requesting authorization to file Notice of Completion with El Dorado County upon completion of work
- g. Keller Heavenly Phases 1, 2 and 3 Project (Contractor: White Rock)
- New Keller Tank passed testing and was put online week of September 11
  - Piping work at Keller Booster is nearing completion, and mobile booster pump will be removed from service week of October 9
  - Electrical work at Keller Booster is delayed due to supply chain issues for electrical components; expected to extend into Summer 2024
  - Demolition of old tank and repair of access road at Keller Tank Site will commence in late October, weather pending, or wait until next Spring
  - Rockfall subcontractor completed warranty repairs to barrier on October 9
  - On October 5, Board authorized General Manager to authorize Notice of Completion for Phase 2 tank construction; Staff filed Notice of Completion and is awaiting recorded document from County to confirm start of 30-day Stop Notice filing period
  - Staff has contacted California Tahoe Conservancy regarding lot line adjustment to accommodate new generator on north side of station
- h. Black Bart Waterline (Contractor: Vinciguerra)
- Site work is nearing completion and paving is scheduled for week of October 16
  - On October 5, Board authorized General Manager to authorize Notice of Completion upon completion of work
  - Staff is preparing a Change Order for consideration by the Board on October 19
  - Staff is working with a neighboring business who has claimed impacts from District work on Ham Lane, to assess damages
- i. DVR Irrigation Project (Contractor: Haen Constructors)
- Staff filed Notice of Completion and is awaiting recorded document from County to confirm start of 30-day Stop Notice filing period
- j. Upper Truckee Pump Station (Contractor: T&S)
- Contractor has struggled to install tapping saddle on 18" UTPS Force Main for new bypass port but making progress and expect to finish underground work by end of October
  - Contractor has completed rock slope protection
- k. Tahoe Keys Pump Station (Contractor: T&S Construction)
- Staff is still waiting for a response from Liberty regarding replacement of the 400 amp service panel, which is critical path for project completion
  - Contractor completed site paving, so site is ready for winter
  - Testing of the temporary electrical trailer is ready to commence with delivery of temporary generator
- l. Paloma Well Rehabilitation (Contractor: Zim Industries)
- New pump with added stages has been returned to Contractor and will be ready for install following completion of aquifer test
  - CTC approved new license agreement for meadow discharge in late September

- Contractor returned October 9 to start setting up discharge piping for aquifer testing; initial pumping with test pump and motor produced a lot of fines, which indicates the well may need to be developed prior to running aquifer test
  - If schedule holds, expect new pump and motor installed late October and well back online by mid-November
  - Staff is preparing an agenda item for Board consideration on October 19 requesting authorization to file Notice of Completion with El Dorado County upon completion of work
- m. Secondary Clarifier 1 Rehabilitation Project (Contractor: tbd)
- Project advertised September 22 and is scheduled to receive bids on November 9
  - Mandatory Pre-Bid meeting held October 3; four potential bidders attended
- n. WWTP Filters 3 and 4 Rehabilitation Project (Contractor: tbd)
- Preparation of bid documents is on-going; Staff may be delayed from advertising bid on October 31 and is assessing overall project schedule impact
- o. Herbert Walkup Waterline Project (Contractor: tbd)
- Staff is preparing Authorization to Bid for Board consideration on October 19
  - Preparation of bid documents is on-going; Staff intends to advertise November 1, pending Board approval
- p. Tallac Creek Sewer Crossing Protection Project (Contractor: Haen)\_
- Staff met with Consultant (NHC)/USFS for site walkthrough on September 20 to review requirements for remaining restoration and ongoing monitoring
  - Contractor has removed remaining BMPs and will install willows at locations marked by Consultant week of October 9
  - Staff is preparing to a Task Order amendment for Board consideration October 5 to extend scope for Northwest Hydraulic Consultant to include monitoring restoration for 3 years

### **PLANNING/DESIGN**

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
- 2023 Water Year ended Sept 30; Staff has requested data from other purveyors in support of Water Year Annual Report
  - Cleanup and Abatement Order for PCE: Staff is compiling District costs for water replacement needs due to PCE plume
- b. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
- Contractor hired to demolish the old well building has collected samples for hazmat testing and is waiting for results before proceeding with demolition
  - Staff held 60% Design Review Workshop with Consultant on September 27 and provided formal comments
- c. Bijou 1 Waterline Replacement Project (Consultant: NCE)
- Staff held 90% Design Review Workshop with Consultant on October 4
- d. Baldwin Beach Gravity Sewer and Pump Station Project (Consultant: NHC)
- Project kickoff meeting held September 26 with condition assessment / site inspection the next day with all disciplines participating
- e. Return Activated Sludge Project (Consultant: Carollo)
- Project kickoff with Consultant and Staff held September 19
- f. Meters Cleanup Project (Consultant: In-House)
- On October 5, Board approved scope and authorized Task Order for Lumos to replace property pins at 158 locations that were disturbed by District meter installation projects from 2010 to 2020

- g. 2024-25 Fire Hydrant Replacement Project
  - Staff is performing pre-design work, including field confirmations, in advance of design commencing in November
- h. WWTP Holding Ponds (Consultant: CME)
  - Staff completed internal evaluation of alternatives for stabilization of center berm, but concerns over progressive failure of pond liner warrants further analysis
  - Consultant is preparing a proposal to assess alternatives and provide recommendations for 5-year solution for stabilization of ponds
- i. Lower Shops Master Plan (Consultant: TBD)
  - Staff completed draft of Request for Proposal week of October 9, adding consideration of future administration office needs to the scope
  - Staff intends to issue RFP by end of October
- j. Water System Asset Management Projects
  - Wells: Annual baseline tested Bayview on September 27 and Al Tahoe on October 4 with good results; testing will continue with Bakersfield, South Upper Truckee and Sunset in the next month; static testing of wells are scheduled to occur first week of November
  - Production Meter Calibration (Consultant: ME Simpson): Underground Repair Water is waiting for parts to install taps at stations; Staff is working together to define tap locations for Keller Booster and Al Tahoe Well
  - CMMS Replacement (Isle Utilities): Vendor responses to Request for Information are due October 22 from 6 vendors; Staff meeting October 16 to discuss plan for reviewing responses and plan for vendor workshops
  - Fire Hydrants: Staff is compiling new GIS information from 2023 installations and replacements
- k. Sewer System Asset Management Projects
  - Recycled Water Strategic Plan (Consultant: Carollo): Staff provided comments on Alternatives Screening Memo; Board approved Phase 2 scope and Task Order on October 5
  - Sewer System Performance Monitoring: Staff has worked with IT to provide remote connection for Riventa to configure flow monitoring interface for Luther Pass; Staff is coordinating with Pumps for installation of taps at Luther pumps for Riventa instruments
  - Manhole Access: Staff will meet with URS on November 3 to discuss improvements for 6 potential project areas
  - Export System Inspections: Staff working with URS to coordinate inspection of C-Line; URS is confirming that the 2012 inspection points are still accessible, but has set no schedule for inspection
  - Sewer Flow Monitoring System (Consultant: Carollo): URS staff unavailable until November to support annual maintenance of flow station and re-installation of flow sensors at Fallen Leaf; Consultant has reviewed 2022-23 and Staff will schedule a coordination call by mid-November
- l. General Asset Management Projects
  - SCADA Upgrades: Carollo is coordinating virtual tour with Sac Suburban of Aveva's logging tool for consideration by Operations
  - GIS Portal: Staff is working with consultant to develop new portal that will accompany coming upgrades to web environment

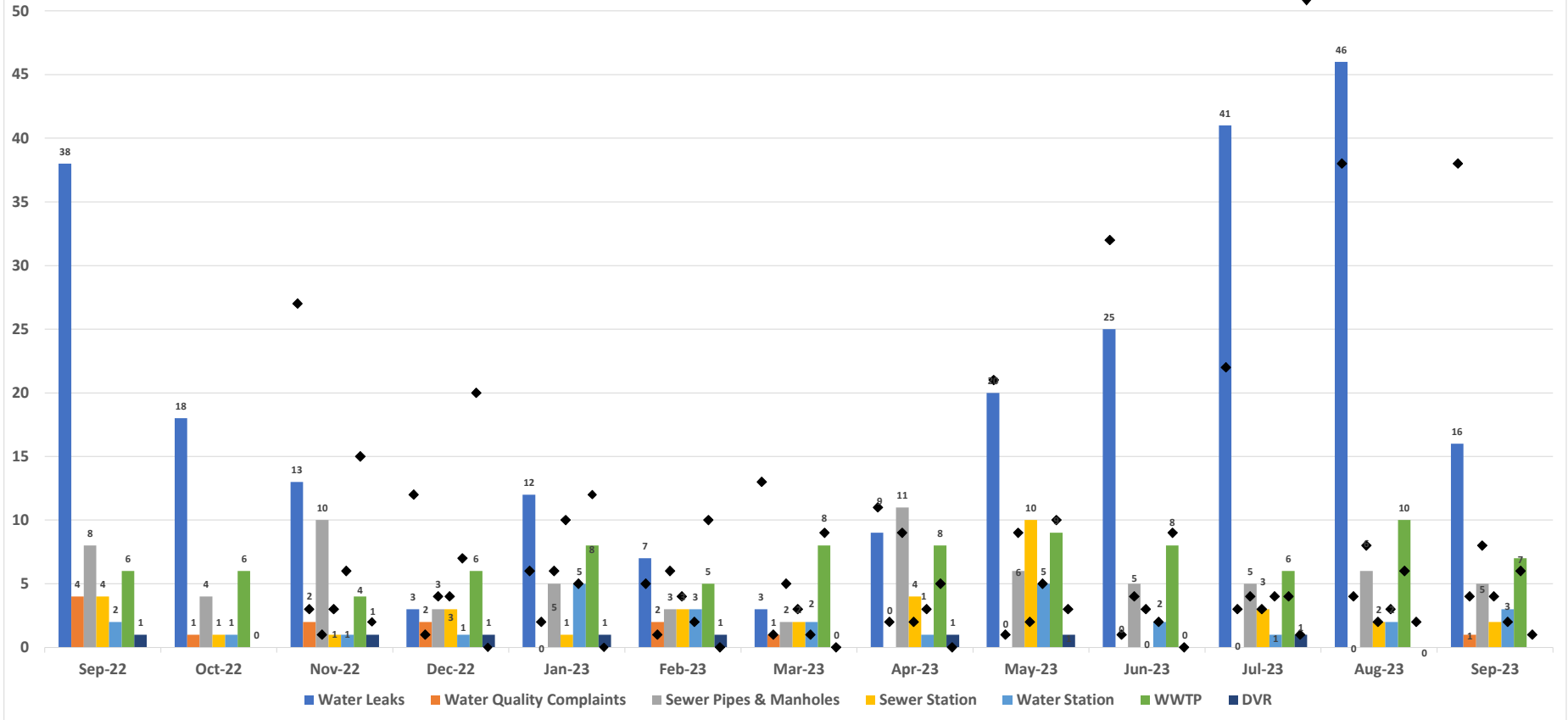
## **OTHER**

- a. Winter Storm Emergencies
  - Industrial Electric will be on-site October 12 to check alignment on Emergency Pump at WWTP; Reno Gear and Driveline inspected driveline and it looks good

- Surveyor scheduled to return to Stanford Camp October 12 to collect ground penetrating radar along conduit alignment; White Rock scheduled to commence conduit installation October 30; Sierra Ecotone Solutions contracted to prepare TRPA application; Stanford approved preliminary design for new E&G Building; Staff working with Liberty to expedite relocation of power drop; Staff meet October 12 to discuss FEMA funding considerations
- b. Luther Pass Pump Replacements
  - Staff continues to reach out to Flowserve regarding Pump 1 status of repair, with little progress
- c. Indian Creek Reservoir
  - Staff is providing support to DVR for cleanup of hydraulic fluid and repair of lines/valve from leak on upstream valve last week of September
  - Dive team inspected hydraulic lines October 11; found the leak and repaired it
  - Contractor is working to procure suitable hydraulic fluid to recharge lines and test the valve
- d. Community Project Support and Interagency Coordination
  - Staff established a Data Sharing Agreement with the County and provided our GIS data for their use
  - Apache Ave Complete Streets: Staff is working on Apache Ave WL design for delivery to the County by end of October in time for their funding deadline
  - Pioneer Trail / South Upper Truckee Paving: County provided Staff with a file with coordinates of the locations, but did not mark them for us in the field, which was the verbal agreement prior to the work
  - Meyers ECP: After discussion with the County regarding their support needs, Staff is providing construction inspection for waterline relocation work on E San Bernardino Ave, which the County's contractor began late September; mainline is in place and contractor is working on services; Staff is working with County's contractor on a workplan for the intersection in front of the school before allowing them to proceed with the intertie
  - Semi-annual meetings with City, County and Southwest Gas are scheduled for week of October 23 to discuss CIP planning and project progress
- e. WWTP Solar Project (Developer: Staten)
  - Staff has continued to support Developer in processing of permits and environmental documentation
  - Developer received from Liberty a draft Interconnection Agreement on October 4 and developer immediately requested a follow-up call to discuss and coordinate technical teams
- f. Capital Improvement Planning:
  - Staff met September 20 for progress update on data collection priorities for next Prop 218; next meeting scheduled for October 24
  - Staff using GIS to update age/size/material of underground piping to support System Valuation assessment by end of October
- g. Staffing
  - Four Statements of Qualification were received from consultants by October 9 to provide As-Needed CAD Support Services; Staff will review, develop a list of qualified consultants, and bring a proposal for a 1-year contract to Board for consideration in November
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### # of Monthly Reactive Work Orders

◆ Previous Year



Total Hours on Reactive Work Orders

