

SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Monday, November 13, 2023

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

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

Nick Haven

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
 - General Report on Field Operations
 - Monthly Reactive Work Order report
 - Winter Storm Response
 - b. Water System
 - Ongoing water quality concerns on steel mains
 - c. Sewer Collection System
 - Liberty work at Fallen Leaf Lake
 - d. Wastewater Treatment Plant (WWTP)
 - EMPS Test Results
 - e. Export System/Recycled Water Facilities
 - No news as of November 8
3. **ENGINEERING ISSUES**
 - a. General
 - No news as of November 8
 - b. Water System
 - Paloma Well Rehabilitation – Project Status
 - c. Sewer Collection System
 - Stanford Camp Electrical/Generator Building
 - d. Wastewater Treatment Plant (WWTP)
 - Soils investigation for RAS Project
 - e. Export System/Recycled Water Facilities
 - Indian Creek Reservoir spill cleanup

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, December 18, 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

ENGINEERING DEPARTMENT REPORT (as of November 8, 2023)

CONSTRUCTION PROJECTS

- a. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Contractor: Vinciguerra)
- UHF antenna on radio tower not receiving signals from Fallen Leaf; Staff working with Contractor and Designer to troubleshoot possible interference from lightning rod
 - Staff postponed Notice of Completion until November 16 for Board consideration
- b. Secondary Clarifier 2 Rehabilitation Project (Contractor: T&S)
- Petrographic testing of foundation concrete had good results
 - Floor grout poured October 12; continuing work on launder covers, current density baffles and slide gates
 - On track to have clarifier back on line by Thanksgiving
- c. Luther Pass 1 / Heavenly Tanks Rehabilitation Project (Contractor: RDC)
- Replacement of rafters on Luther Tank 1 commenced first week of November and is expected to complete by end of November
 - Replacement of inlet/outlet valves for Luther Tank 1 completed first week of November
- d. 2023 Tanks Touchups Project (Contractor: Unified Field Services)
- Closeout Agreement and final balancing Change Order approved by Board for October 19
- e. Barton Area Valves Installation (Contractor: Haen)
- Work is complete in Barton area, but contract is being left open for Indian Creek Reservoir cleanup
 - On November 2, Board authorized Staff to file Notice of Completion with El Dorado County upon completion of work
- f. Keller Heavenly Phases 1, 2 and 3 Project (Contractor: White Rock)
- El Dorado County recorded Notice of Completion for Phase 2 on October 16
 - Staff is preparing closeout agreement and final balancing Change Order (if needed) for Board consideration on November 16
 - Repair of access road at Keller Tank Site completed in late October
 - Demo of old Keller Tank deferred to December (weather pending) or to next Spring
- g. Black Bart Waterline (Contractor: Vinciguerra)
- Work remains on a handful of fire hydrants and punchlist
 - On October 19 Board approved Change Order No. 1 for \$657,751, formally adding replacement of 10" steel main on Black Bart Ave to project scope
- h. DVR Irrigation Project (Contractor: Haen Constructors)
- Staff and Contractor agreed that the Completion Date for the project is October 10
 - County recorded Notice of Completion on October 16
 - Staff is preparing closeout agreement for Board consideration on December 7

- i. Upper Truckee Pump Station (Contractor: T&S Construction)
 - New Force Main Bypass connection installed, backfilled and restored
 - Pump replacement work cannot commence until Tahoe Keys is done with electrical trailer
- j. Tahoe Keys Pump Station (Contractor: T&S Construction)
 - Pump station online with new pumps and wetwell, powered from temporary electrical trailer
- k. Paloma Well Rehabilitation (Contractor: Zim Industries)
 - Aquifer testing with discharge to Trout Creek Meadow completed mid-October with good results; safe yield is 2000 gpm
 - New pump and motor were installed and tested first week of November
 - Staff tested motor on November 6 in preparation for returning well to service; new motor has zero resistance, and has contacted Contractor and manufacturer to address
 - Staff postponed to November 16 preparation of an agenda item for Board consideration requesting authorization to file Notice of Completion upon completion of work
- l. Secondary Clarifier 1 Rehabilitation Project (Contractor: tbd)
 - Bid opening scheduled for November 9; four prospective bidders
 - On October 19 Board approved Task Order with Carollo for completion of bid set
- m. WWTP Filters 3 and 4 Rehabilitation Project (Contractor: tbd)
 - Staff is working toward 90% Draft complete by November 10
 - Staff is preparing to advertise project for bidding December 1
- n. Herbert Walkup Waterline Project (Contractor: tbd)
 - Authorization to Bid approved by Board October 19
 - Project advertised November 2
 - Preparation of bid documents is on-going and will be available by mandatory pre-bid meeting on November 15
- o. Tallac Creek Sewer Crossing Protection Project (Contractor: Haen)_
 - Contractor completed all project work with willow installation October 27
 - Staff filed Notice of Completion with El Dorado County on October 30
 - Staff is preparing Closeout Agreement and final balancing Change Order (if needed) for Board consideration December 7
- p. Stanford Camp Electrical and Generator Building (Contractor: White Rock)
 - Contractor began construction October 30 and expects to have trench, building slab and retaining wall complete by Thanksgiving
 - Construction progress has been impeded by Liberty work and closures on Fallen Leaf Lake Road
 - Staff and consultant are preparing TRPA Application for submission by November 10
 - Staff is preparing Engineering Report in support of FEMA application, for submission by November 15

PLANNING/DESIGN

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
 - On November 2, Board approved Task Order with DRI to develop a plan for monitoring groundwater dependent ecosystems (GDE) and to perform related groundwater model updates
 - Staff is working on annual update to Tahoe Subbasin South model
 - Staff is preparing Master Services Agreement / Task Order for Daniel B. Steven and Associates to prepare web portal for GSA
- b. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
 - Contractor demolished the old well building in late October, but floor slab remains; secure for winter
 - 90% design due from Consultant December 4; review workshop scheduled December 14

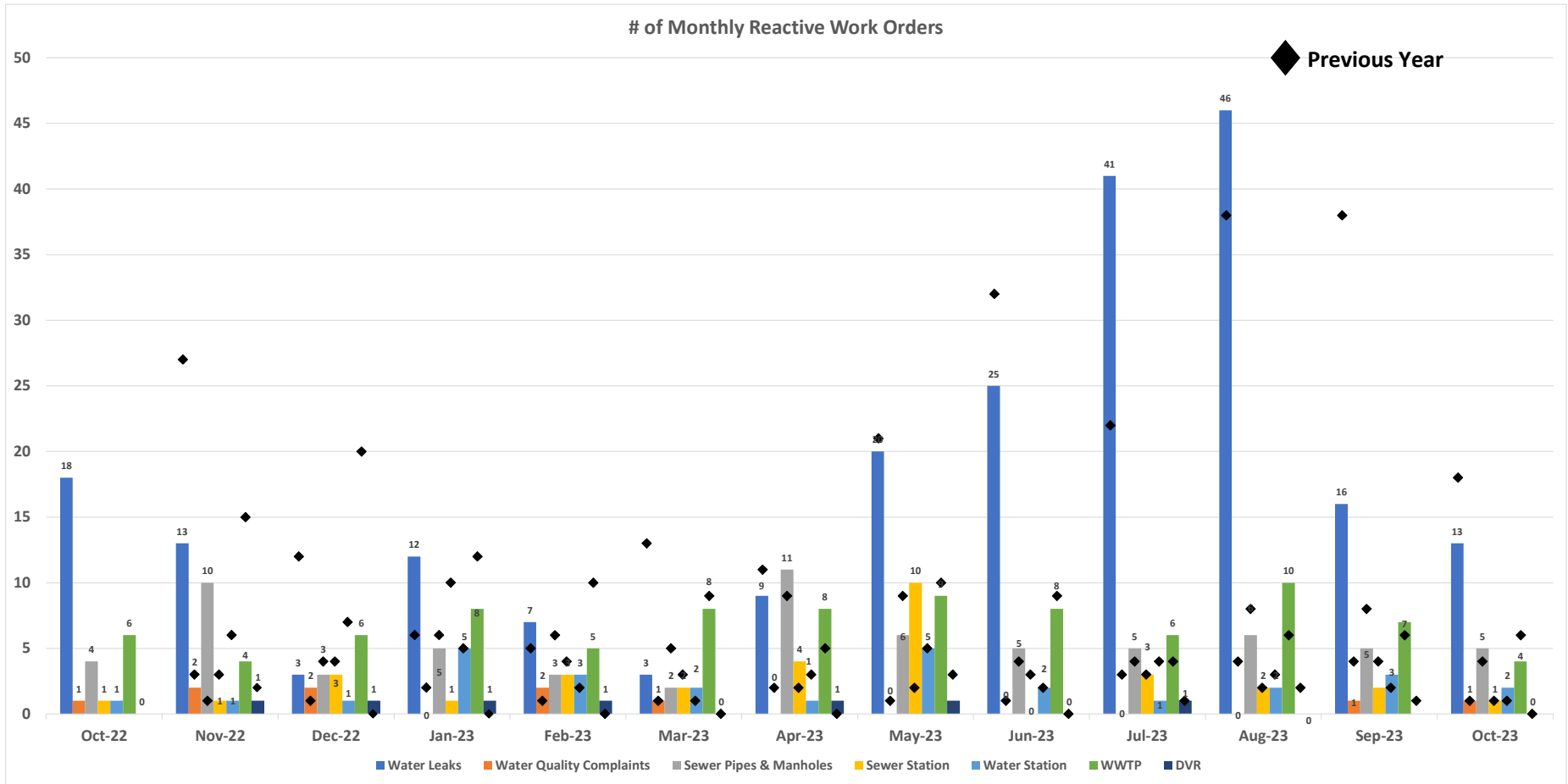
- c. Baldwin Beach Gravity Sewer and Pump Station Project (Consultant: NHC)
 - 30% Design Memo due mid-November with conceptual design for gravity main and pump station
- d. Return Activated Sludge Project (Consultant: Carollo)
 - On October 19 Board approved amendment to authorized design scope to include field investigation
 - Geotechnical boring was halted on October 31 when it discovered fuel odor in soil at first water; samples were collected and sent to lab for testing
- e. Meters Cleanup Project (Consultant: In-House)
 - Kickoff meeting with Lumos to replace property pins held first week of November; consultant is preparing work plan in GIS with goal to complete work by Spring 2025
- f. WWTP Holding Ponds (Consultant: CME)
 - Consultant performed ground penetrating radar and is preparing recommendations for 5-year repair by end of November
- g. Lower Shops Master Plan (Consultant: TBD)
 - Proposals due November 16; as of November 8, no consultants have requested site visit
- h. Water System Asset Management Projects
 - Wells: South Upper Truckee (10/25) and Sunset (10/18) tested with mixed results; Sunset only tested at 10 gpm per ft drawdown, so well upsizing unlikely solution for providing more water to Y; static testing of wells performed first week of November; Bakersfield Well test scheduled 11/8
- i. Sewer System Asset Management Projects
 - Manhole Access: Staff met with URS on November 3 to discuss improvements for 6 potential project areas
 - Export System Inspections: URS confirmed that only one of the 2012 inspection points is still accessible; procuring parts to support inspection
 - Sewer Flow Monitoring System (Consultant: Carollo): Staff and URS will commence annual maintenance of flow station and re-installation of flow sensors at Fallen Leaf by end of November; Consultant has reviewed 2022-23 and Staff will schedule a coordination call by mid-December
- j. General Asset Management Projects
 - Field Communications (Consultant: Thunderbird): Phase 2 field work complete except installation of redundant FIU at WWTP; interference is interrupting signals from Fallen Leaf Lake to WWTP tower
 - Crossings Assessment (Consultant: Stantec): Staff met with consultant to discuss next steps; Stantec will prepare cost estimates to prepare protection alternatives for high-ranking sites by mid-December
 - Snow Plow GIS Tool: Staff met with URW November 7 to update tool for this winter
 - Cathodic Protection Baseline: Staff invited JDH to propose on monitoring for sewer stations, and will invite multiple firms from On-Call List to propose on baseline for rest of system by mid-December

OTHER

- a. Winter Storm Emergencies
 - The District has received Lahontan permit for Beach Breach; photo monitoring will continue into December, but the breach has naturally closed as of October
 - Staff met with FEMA November 7 to review cost submittals and project documentation for the various storm responses

- Heavy Maintenance tested the EMPS and are experiencing high vibrations 60-65%; Plant Ops will contact motor manufacturer to discuss
- b. Indian Creek Reservoir
 - Hydraulic lines refilled with marine grade fluid and successfully used to actuate valve
 - No further observation of oil in reservoir
 - Contractor will coordinate with Clean Harbors to dispose of curtains so they do not get re-used due to invasive species contamination
- c. Tahoe Keys Water System Assessment (Consultant: Kennedy Jenks)
 - Condition assessment site visits scheduled for November 13
- d. Community Project Support and Interagency Coordination
 - Apache Ave Complete Streets: Staff delivered Apache Ave WL design to the County in late October in time for their funding deadline
 - Meyers ECP: Staff completed construction inspection for waterline relocation work on E San Bernardino Ave first week of November; remaining work (vertical offset) will be completed early in 2024 with support from Staff
 - Semi-annual meetings with City, County and Southwest Gas were held week of October 23 to discuss CIP planning and project progress; City's projects for Pioneer Trail and Park Ave are not progressing as quickly as expected, so Staff will revisit moving forward our improvements independently
 - TRCD Consultant on Johnson Meadow Restoration has contacted Staff to discuss sewer main relocation options; Staff is coordinating a call for mid-November to discuss
- e. WWTP Solar Project (Developer: Staten)
 - Staff provided a report to Board on permitting, design and construction status on October 16
 - Staff has received final edits on Liberty Interconnection Agreement and has routed to legal for review before District executing
 - Staff has received fully executed Timber Harvest Permit
- f. DVR Annual Report (Consultant: Domenichelli)
 - Staff was contacted by Sara Rogers, formerly of Domenichelli, to kick off annual report to Lahontan for recycled water application
 - Staff will lead the reporting effort this year, due in January, and transfer future responsibility to new Director of Operations when that position is filled
- g. Capital Improvement Planning:
 - Staff met October 24 for progress update on data collection priorities for next Prop 218
 - Staff met with URW and DVR first week of November to discuss changes to CIP for FY25; meetings with URS, Pumps and Ops are scheduled for second and third weeks of November
- h. Contracts Management
 - Staff is preparing a report to Board for November 16 to discuss streamlining options for non-statutory actions
 - Staff is working with Grants to prepare Environmental Documentation and Engineering Report in support of next SRF application for waterlines replacement, to be submitted by end of November
- i. Staffing
 - On November 2 Board approved Task Order No. 1 with CAD Designing Solutions, LLC, to provide one year of as-needed CAD support services in amount not to exceed \$250,000

of Monthly Reactive Work Orders



Total Hours on Reactive Work Orders

