

SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Monday, February 12, 2024

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)

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
 - General Report on Field Operations - URS
 - Monthly Reactive Work Order report
 - Winter Storm Response
 - b. Water System
 - Glenwood Well
 - c. Sewer Collection System
 - No news as of February 8th
 - d. Wastewater Treatment Plant (WWTP)
 - Plant upset and recovery
 - e. Export System/Recycled Water Facilities
 - No news as of February 8th
3. **ENGINEERING ISSUES**
 - a. General
 - No news as of January 10
 - b. Water System
 - Paloma Well Rehabilitation – Project Status
 - South Upper Truckee Well Inspection results
 - 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

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, February 12, 2024, 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 February 8, 2024)

CONSTRUCTION PROJECTS

- a. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Contractor: Vinciguerra)
 - Contract closed out
 - Still dealing with CPs and O&M Manuals
- b. Secondary Clarifier 2 Rehabilitation Project (Contractor: T&S)
 - With the clarifier passing the 10-day test on December 10, the project is substantially complete as of December 11; Staff filed NOC with the County and it was recorded on December 27th.
 - Remaining working on coatings will be deferred to Spring; Staff plans to withhold payment on this work, but release retention once all claims have been satisfied
- c. Luther Pass 1 / Heavenly Tanks Rehabilitation Project (Contractor: RDC)
 - Still waiting for good weather
- d. Barton Area Valves Installation (Contractor: Haen)
 - Waiting for manifest for disposal of oil booms at DVR in response to Indian Creek Reservoir oil spill is still left to do before project is substantially complete
- e. Keller Heavenly Phases 1, 2 and 3 Project (Contractor: White Rock)
 - Phase 2 closed out
 - Doing electrical controls at booster station and transferring power and controls this week.
 - Waiting to hear status of tank demolition
- f. Black Bart Waterline (Contractor: Vinciguerra)
 - Project closed out.
- g. Tahoe Keys Pump Station (Contractor: T&S Construction)
 - Prepping for second wall pour.
 - Waiting for Liberty on new service application. This has the potential to delay completion of the project.
- h. Paloma Well Rehabilitation (Contractor: Zim Industries)
 - Pump control valve cleaned out and disinfected, still failed Bac T.
 - Working with Lahontan to pump to the meadow so we can pump it hard.
- i. Secondary Clarifier 1 Rehabilitation Project (Contractor: T&S Construction)
 - Targeting starting May 1, 2024.
- j. WWTP Filters 3 and 4 Rehabilitation Project (Contractor: tbd)
 - Advertising 2/16, mandatory pre-bid 2/27, bid opening date of 3/7.
 - Assuming clarifier starts May 1, don't want filters down at the same time, will have to split work to avoid this.
- k. Herbert Walkup Waterline Project (Contractor: Vinciguerra)
 - Submittals have arrived.

- Even got a schedule that shows them finishing late, mainly because of sewer line work.
- l. Flagpole 2 / Iroquois 2 (Contractor: RDC)
 - Retention released, withholding payment on repair of damaged battery cabinet at Flagpole.
- m. Stanford Camp Electrical and Generator Building (Contractor: White Rock)
 - Bid opening 2/20.
 - Still working with Liberty to get transformer set up.
 - Working on compiling T&M sheets.
- n. 2024 Tank Touchups
 - February 23 advertise
 - March 19 bid opening
 - CV, GM2, CC
- o. SUT Well Rehab (Contractor Carson Pump)
 - Carson Pump to begin in April
 - Have done pre-procurement for motor and column pipe
- p. Upper Truckee (Contractor: T&S)
 - Waiting for spring
 - Ballast ponds will be this winter as part of this project.

PLANNING/DESIGN

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
 - Staff report at last Board Meeting
 - Scheduled SAG meeting for February 8th.
 - Draft annual report under review by SAG
- b. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
 - 90% design received from consultant December 4; review workshop held December 14
 - Ready to move forward, but still waiting for funding. Because of FEMA delays may have to break into two phases and reorder the work. Quite expensive to split into two phases. Staff still evaluating options.
 - Staff is reaching out to FEMA regarding status of application
- c. Baldwin Beach Gravity Sewer and Pump Station Project (Consultant: NHC)
 - 30% Design Plans received late November with conceptual design for gravity main and force main; Staff returned comments December 18
 - Staff is preparing a Task Order Amendment to allow consultant to proceed with 90% design for Board consideration.
- d. Return Activated Sludge Project (Consultant: Carollo)
 - Staff is in contact with Lahontan regarding next steps to address diesel contamination in project area
 - Staff is preparing a Task Order Amendment to allow consultant to proceed with Basis of Design Report, 60% and 90% Designs for Board consideration at first meeting in April.
- e. Blower System Improvements (Consultant: Carollo)
 - Re-Kickoff meeting on January 10. Approaching 90% design.
 - HVAC on bio building still to be determined.
- f. WWTP Holding Ponds (Consultant: CME)
 - T&S Construction will be conducting the temporary repairs this year as soon as weather permits.
 - Ballast Pond Project on CIP has been moved forward to 2026 construction, so temporary repairs need to last only 2 years
- g. Washoan-Acoma PRV (Consultant: tbd)
 - Staff has proceeded with mechanical and civil design with goal of February for drawings

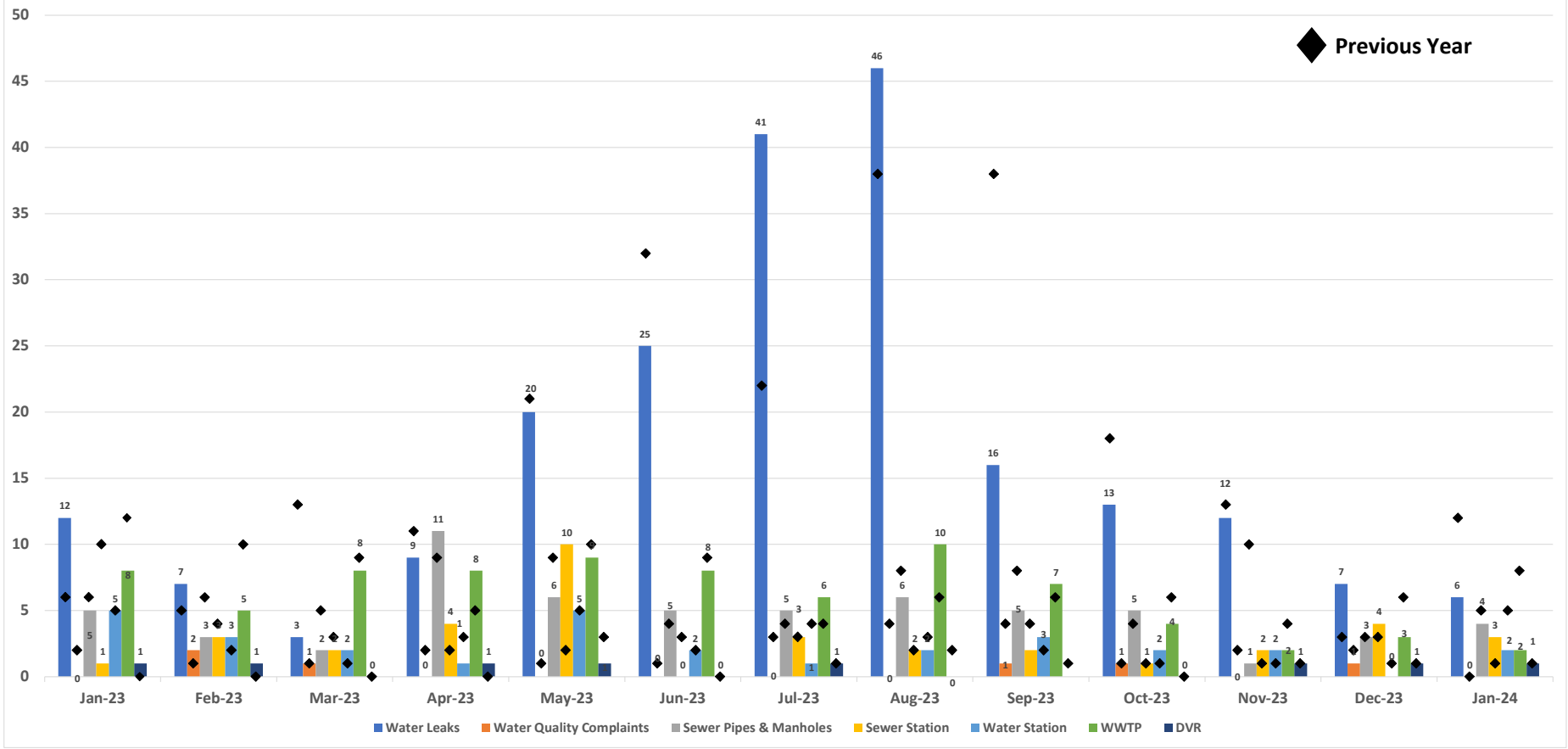
- Staff will identify an electrical consultant
 - Environmental started.
- h. Lower Shops Master Plan (Consultant: TBD)
- Proposals were due November 16 and none received; Staff will contact potential consultants to inquire their reasons for not proposing and re-assess approach prior to re-issuing RFP
- i. Water System Asset Management Projects
- Production Meter Testing: 23 of 32 test ports have been installed by Pumps while waiting for parts for remainder. Consultant scheduling testing for April/May
 - Valve Exercising: Staff is tracking URW progress through Flagpole zone; once complete, will assess rate of progress for future planning of exercising program – 55% complete
 - Hydrant Inspections – started Zone 9 (second year of 10-year plan) – should finish in the next week or two – Obsolete hydrant inspections setup.
 - Soliciting proposals for Stateline Tanks corrosion assessment
 - Blowoffs – replacing and installing new ones.
 - DVR Valve exercising: Staff met with DVR on December 13 to plan out program
 - Manhole Access: Staff planning out permitting schedules for Montgomery Estates, Chiapa, meadow and golf course
 - Sewer Crossing – Sent comments back to consultant. Did preliminary COF analysis of the 46 sites. Planning on using to rank sites for prioritization.
 - Export System Inspections: 10+ ARVs need to be replaced. Engineering investigating. Waiting to hear back from APCO. Plan to CCTV same areas from 2012 for comparison purposes. Had 95 structural defects in 2012 that were recommended to be repaired. We have done 2 of them.
 - Sewer Station Condition Assessment started before weather came in. Inspections continuing. Still have to do CP testing and metallic stations and remaining FLL stations.
 - Sewer Flow Monitoring System (Consultant: Carollo): Progress on annual maintenance of flow station and re-installation of flow sensors at Fallen Leaf delayed by inspection duties, being installed now; all but 7 sites have stopped talking, and only 1 has clean data. We have significant staff limitations to maintain this program. Reaching out to ADS to see what options we have for maintaining our flow monitoring system.
 - Sewer Station Monitoring: Staff continues to work with IT to address communication security concerns at Luther for Riventa Installation
- j. General Asset Management Projects
- Explorer Replacement: GIS portal update complete; next Staff will work with IT on hardware (tablet) replacement solution and field map to roll out by May 1
 - Field Comms (Consultant: Thunderbird): Phase 2 work at field stations is complete, but work at Plant is ongoing. Met with Thunderbird and Staff to troubleshoot comms at new radio tower week of December 18. Expect to need a cost amendment for additional troubleshooting. interference is interrupting signals from Fallen Leaf Lake to WWTP tower
 - Snow Plow GIS Tool: Staff updating maps for snow placement to distribute to crews for winter. Complete by end of week.
 - CMMS Replacement Project (Consultant: Isle): On November 30, Staff and Consultant interviewed 6 vendors to replace Maintenance Connection; received summaries from Consultant by end of December; next step will be to narrow to two

OTHER

- a. Winter Storm Emergencies
- Staff is working with Grants to finalize submissions to FEMA

- b. Tahoe Keys Water System Assessment (Consultant: Kennedy Jenks)
 - Condition assessment site visits conducted November 13
 - Consultant is preparing Draft Tech Memo synthesizing available information and condition assessments for delivery in the next few weeks; staff met with Consultant on December 15 to discuss
 - Staff developing Keys Hydraulic Model; working on debugging it.
 - KJ starting to develop alternatives.
- c. Community Project Support and Interagency Coordination
 - Apache Ave Complete Streets: Staff submitted draft technical specifications December 12 for County to include in their bid package; Staff is preparing reimbursement agreement for Board consideration Feb 1; County project expected to advertise in February
 - Pioneer Trail Pedestrian Improvements – Need bid set of plans by end of April. Staff working on plans and coordination with the City.
- d. WWTP Solar Project (Developer: Staten)
 - Close to finalizing interconnection agreement with Liberty.
 - On next TRPA Governing Board meeting agenda.
- e. DVR Annual Irrigation Report
 - Done and submitted to Lahontan.
 - Will meet with Sara at the end of the month to discuss results. Some levels in monitoring wells approaching MCLs.
- f. ICR TMDL Report
 - Completed and submitted.
- g. Capital Improvement Planning:
 - Board CIP Workshop held January 18, before the Board Meeting
- h. Contracts Management
 - Short form contract in development for maintenance work contracting.

of Monthly Reactive Work Orders



Total Hours on Reactive Work Orders

