



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Tuesday, January 16, 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)

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
 - No news as of January 10
 - d. Wastewater Treatment Plant (WWTP)
 - Plant upset and recovery
 - e. Export System/Recycled Water Facilities
 - No news as of January 10
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
 - Barton Hospital Fire Service
 - 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, 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
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ENGINEERING DEPARTMENT REPORT (as of January 10, 2024)

CONSTRUCTION PROJECTS

- a. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Contractor: Vinciguerra)
- With the completion of work on the radio tower November 22, the project is substantially complete
 - Board approved filing Notice of Completion with El Dorado County on November 16; Staff filed NOC and it was recorded December 5
 - Closeout Agreement will be completed by end of the week. Final payment requested on the 17th.
- 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)
- Replacement of rafters on Luther Tank 1 were completed on November 20; tank will remain offline with door sheet cut out until Spring; if tank is needed for emergency service, will take 3-4 days to seal up
- d. Barton Area Valves Installation (Contractor: Haen)
- Nearly two weeks after abandonment of parallel line on South Ave in mid-November, the hospital discovered their fire service had been dropped; the fire service was restored by December 3 with support from URW, HM and Haen, requiring weekend and night work to minimize disruptions to the hospital; the nearby domestic service was also discovered to have a growing leak, so the service line was replaced on December 6
 - 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)
- Board approved contract time extension and Closeout Agreement for Phase 2 on December 7 and final payment will be made once Closeout Agreement is executed by Contractor
 - Contractor continuing cleanup at DVR for Storm Response
 - Doing electrical controls at booster station and transferring power and controls this week.
- f. Black Bart Waterline (Contractor: Vinciguerra)
- As of December 6, work is substantially complete on the project; Staff filed the NOC on December 11, 2023.

- Final change order pending.
- g. DVR Irrigation Project (Contractor: Haen Constructors)
 - Completed
- h. Tahoe Keys Pump Station (Contractor: T&S Construction)
 - Functional testing of new pump station is complete; demolition of old pump station began December 12 and is essentially complete.
 - Concrete pours upcoming weather dependent, then installing permanent electrical.
- i. Paloma Well Rehabilitation (Contractor: Zim Industries)
 - On November 16, Board authorized Staff to file NOC upon completion of work
 - New pump and motor were pulled by Carson Pump the week of December 4, and it was found that the cable was likely the source of failure, not the pump and motor; Staff will work with Zim to recover costs for Carson Pump's work
 - Well flushing performed three times and failed BacT testing.
 - Pump control valve cleaned out and disinfected, hoping that was the problem.
- j. Secondary Clarifier 1 Rehabilitation Project (Contractor: T&S Construction)
 - Bids opened November 9; 3 bids received, all below budget and below engineer's estimate
 - Board awarded to low bidder on December 7; NTP issued January 4th.
- k. WWTP Filters 3 and 4 Rehabilitation Project (Contractor: tbd)
 - Staff has been delayed in preparation of bid documents due to other project priorities; advertisement is delayed until late January
- l. Herbert Walkup Waterline Project (Contractor: Vinciguerra)
 - Mandatory pre-bid meeting held on November 15 with 13 general contractors in attendance
 - Bids opened December 15 at 2 pm, with 5 bids received; Vinciguerra is low bidder at \$5.565M; Staff reviewed bids and awarded on December 21
 - NTP this week
- m. Tallac Creek Sewer Crossing Protection Project (Contractor: Haen)
 - County recorded Notice of Completion on November 7; no stop notices received
 - Staff is preparing final balancing Change Order for Board consideration December 21
 - Closeout Agreement signed and paying out retention on the 17th.
- n. Flagpole 2 / Iroquois 2 (Contractor: RDC)
 - Retention released, withholding payment on repair of damaged battery cabinet at Flagpole.
- o. Stanford Camp Electrical and Generator Building (Contractor: White Rock)
 - Staff submitted Engineering Report to FEMA on November 13
 - Consultant submitted TRPA application at District request on November 30
 - Rebar in place at new building, ready for slab pour on December 12
 - Staff is coordinating power shut-down for entire Stanford Camp to allow tie-in to existing Liberty transformer by Christmas; new goal is to have new pad operational by Christmas
 - Staff is preparing Authorization for Bid for Board consideration on December 21 for remainder of work next season in conformance with FEMA requirements for competitive bidding; plan to advertise bid by January 5
 - Staff is working with Consultant (WSC/HDR) to prepare pre-purchase of 30 kw generator; lead time is over 40 weeks
 - Relocated backup generator and communications equipment to new location out of avalanche area. Power feed remains at old location. Working with Liberty to get that changed within the next few weeks.
 - Advertised on the 5th for the building and the electrical equipment. Bids open February 20th. Mandatory pre-bid January 16th.

PLANNING/DESIGN

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
 - Staff completed the model run on Tahoe South Subbasin and is using results to update Annual Water Year Report
 - Staff will work in next month to schedule SAG for February
 - Task Order for Geo-Logic Associates to develop public facing portal is completed. Kickoff meeting end of month.
 - Scheduled SAG meeting for February 8th.
 - Working on Annual report. Draft targeted for end of month.
- 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 have to break into two phases and reorder the work. This does have some cost impacts, but the FEMA grant still seems worth it.
 - 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. Targeting February 1st Board Meeting.
- d. Return Activated Sludge Project (Consultant: Carollo)
 - Staff is in contact with Lahontan regarding next steps to address diesel contamination in project area
 - Consultant submitted Alternatives Evaluation on November 29; Staff reviewed and held workshop on December 19. Preferred alternative for a new centralized facility was selected. Consultant working on finalizing Alternatives Evaluation TM.
 - Staff is preparing a Task Order Amendment to allow consultant to proceed with Basis of Design Report, 60% and 90% Designs for Board consideration.
- e. Blower System Improvements (Consultant: Carollo)
 - On December 7, Board authorized a Task Order Amendment, adding to the project scope design services for the replacement of electrical gear at the Emergency Pump Station, HVAC and Odor Control Upgrades at the Solids Handling Facility, replacement of electrical gear at the Filter Building, upgrades of submetering equipment within the WWTP and standardization of fire alarm systems at 3 buildings within the WWTP; project remains on schedule for bidding summer 2024.
 - Re-Kickoff meeting on January 10.
- f. WWTP Holding Ponds (Consultant: CME)
 - In late November, Consultant submitted technical memorandum summarizing field work and recommending temporary repairs for Pond 1, without cost estimates; Staff is contacting contractors to assess cost for repair
 - 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. 2024-25 Fire Hydrants Replacement Project
 - Project has been put on hold.
- i. 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
- j. SUT Well
- While in the basin, Carson Pump pulled South Upper Truckee pump and motor on December 12 and found that both the motor and the column pipe were so badly corroded they cannot be reinstalled; Carson Pump will take the pump to their shop to assess if it too needs replacing
 - Working through procurement for rehab summer of 2024.
- k. Water System Asset Management Projects
- Production Meter Testing: 18 of 27 test ports have been installed by Pumps while waiting for parts for remainder
 - Valve Exercising: Staff is tracking URW progress through Flagpole zone; once complete, will assess rate of progress for future planning of exercising program
 - Hydrant Inspections – started Zone 9 (second year of 10-year plan)
 - Blowoffs – replacing and installing new ones.
 - Wells: All annual testing completed and no significant changes from last year on pump efficiency and drawdown.
 - 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
 - Export System Inspections: 10+ ARVs need to be replaced. Engineering investigating. URS continues to investigate which sites they can access
 - 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
- l. 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.
 - Cathodic Protection Baseline: Staff prepared Task Order Amendment for Board consideration Dec 21 with JDH for monitoring for sewer station cathodic protection and wet well condition assessment; Staff will invite multiple firms from On-Call List to propose on baseline for rest of system by mid-February.
 - 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
 - Week of December 4, DVR Staff identified damage to Snowshoe Thompson ditch from last

- winter storms that had not yet been addressed; repair completed by White Rock.
- Storm cleanup ongoing at DVR
- 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 January; staff met with Consultant on December 15 to discuss
 - Staff developing Keys Hydraulic Model; expect to be operational by end of January
- 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 – Meeting with the City on Thursday, January 11. Need bid set of plans by end of April.
- d. WWTP Solar Project (Developer: Staten)
 - City approved project at the Planning Commission Meeting on November 16; Staff is reviewing City permit before executing
 - Surveyors were on-site last week of November to collect points for access road
 - Waiting on Liberty to respond on the interconnection agreement.
 - Forester is threatening to pullout of project because of lack of response from Staten. District also struggling with responsiveness from Staten.
- e. DVR Annual Irrigation Report
 - Staff prepared a Task Order for Board consideration December 21, allowing Sara Rogers, formerly of Domenichelli, to continue providing irrigation support services
- f. Capital Improvement Planning:
 - Staff completed meetings with individual departments before Thanksgiving
 - Annual Water and Sewer CIP Meetings with Staff were held on December 5, presenting Staff's recommendations for the proposed plans for FY25 and the Prop 218 rate proposals
 - Engineering CIP finalized and submitted to Accounting/Finance December 22
 - Board CIP Workshop scheduled for January 18, before the Board Meeting
- g. Contracts Management
 - On December 7, the Board approved a Resolution, delegating authority to the General Manager to approve Notices of Completion, Closeout Agreements and CEQA/NEPA Categorical Exemptions/Exclusions, streamlining future Board agendas and shortening the timeline for completion of these tasks
 - Work on the next SRF application for waterlines replacement has been delayed due to Staff availability; expect application to be submitted by February with earliest construction in 2026
 - Staff has drafted records retention process to implement District policy; it's currently in review
- h. Staffing
 - Julie Travis with CAD Designing Solutions, LLC, started working with the Engineering Department on December 4 and was on-site December 13 and 14 to kick off major initiatives and meet Staff in person

of Monthly Reactive Work Orders



