



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Tuesday, January 17, 2023

3:30 p.m. to 4:30 p.m.

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

David Peterson

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
 - Monthly Reactive Work Order report
 - b. Water System
 - Ongoing water quality concerns on steel mains
 - c. Sewer Collection System
 - Storm response – I&I and Bellevue Pump Station
 - d. Wastewater Treatment Plant (WWTP)
 - Storm response – EMPS Motor, ERB use
 - e. Export System/Recycled Water Facilities
 - Luther Pass Pumps rehab
 - Storm response – Ditches
3. **ENGINEERING ISSUES**
 - a. General
 - Schedule for CIP Workshop
 - County letter regarding trench backfill requirements
 - b. Water System
 - Keller Tank Construction
 - c. Sewer Collection System
 - No news as of January 11
 - d. Wastewater Treatment Plant (WWTP)
 - No news as of January 11
 - e. Export System/Recycled Water Facilities
 - No news as of January 11

4. **DISCUSSION OF STAFF REPORT** (Board Members pull items of interest from Engineering Staff Report below for further discussion)
5. **SPECIAL REPORT**
 - a. Water and Sewer Systems Overview (Julie Ryan)
6. **ADJOURNMENT** (Next meeting is planned for Monday, February 13, 2022, 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 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 January 11, 2023)

CONSTRUCTION PROJECTS

- a. Secondary Clarifier 3 Rehabilitation Project (TNT Industrial)
 - Staff attended mediation with TNT for grout floor failure on December 13
- b. Luther Pass Tank 2 Replacement (TNT Industrial)
 - Staff is scheduled to attend mediation with TNT for liquidated damages on January 26
- c. Rocky 1 Waterline Replacement Project (Haen)
 - Staff filed the Notice of Completion with the County on January 4; once recorded the 30-day Stop Notice Filing Period will start
- d. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Vinciguerra)
 - Board approved Partial Closeout and Change Order for Blower Generator portion of work on December 15
 - Materials for Tank Batteries delayed further to February; expect no site work until April
 - FEMA granted an extension for tank battery installation through August 2023
- e. Keller Heavenly Phases 1, 2 and 3 Project (White Rock)
 - Board approved Closeout Agreement and final balancing Change Order on January 5
 - New tank went online December 10; floor plates will be replaced in Spring
- f. Tanks Touchup Project (Topline Engineers)
 - Staff received denial letter from JPIA regarding contractor's Caldor claim
 - Board approved Closeout Agreement on January 5, pending receipt of no Stop Work notices by January 11
- g. Tallac Creek Sewer Crossing (Haen Constructors)
 - Staff and consultant met with USFS to discuss post-construction monitoring report and revegetation mitigation plan, which proposes to defer mitigation for USFS to perform with Taylor-Tallac Restoration Project; consultant will submit plan to Lahontan by January 16
 - Board approved Notice of Completion on December 15; Staff will file once confirmed that no further work is required by Lahontan
- a. DVR Irrigation Project (Haen Constructors)
 - Board approved Notice of Completion on December 15; Staff will file once confirm with Contractor no additional work is pending

- b. Upper Truckee Pump Station (T&S Construction)
 - Board awarded bid to T&S on December 15; expect to issue Notice to Proceed on January 18

PLANNING/DESIGN

- a. Groundwater Sustainability Agency
 - Interim Groundwater Program Manager: Board approved proposal from Kennedy Jenks for additional reporting services on January 5
 - Round 2 Grant Application totaling approximately \$2M was submitted by the due date of December 16; EDWA Board will consider resolution in support of application on January 11
- c. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
 - Draft Design Memo focusing on electrical components submitted by consultant on December 20; in review by Staff
 - Design workshop scheduled for January 12
- d. Bijou Pump Station Project (Consultant: WSC)
 - Consultant submitted 90% design in late December, in time for Staff to submit SRF application by December 31 deadline
 - Staff is preparing to re-run field confirmation testing of pump performance
 - Staff is preparing documentation for McDonald's corporation for lot line adjustment
- e. Luther Pass Tanks Rehabilitation Project (Consultant: Bayez and Patel)
 - Board approved Authorization for Bid on December 1
 - Consultant has provided draft design; Staff is reviewing
 - Staff is planning to advertise for bid starting January 20
- f. Blower System Efficiency Improvements Project (Consultant: Carollo)
 - Staff is working with consultant to prepare Task Order amendment to add design of electrical gear replacement, fire systems upgrades, power metering and HVAC upgrades at other facilities within WWTP
- g. Water System Asset Management Projects
 - Well Performance Monitoring: Pumps finished 2022 testing, with Elks Club and Helen performed in the last month
 - Production Meter Calibration: Staff has prepared a request for proposals and plans to advertise by February 1
 - Waterline Cathodic Protection Pilot (JDH): Staff has identified potential areas for next phase of pilot
 - Fire Hydrant Monitoring: Staff finalizing details of long-term maintenance program, fixing 186 FH per year (10%)
 - Lead Service Line Assessment: Staff has met to start planning how to compile, collect and assess our data to meet the October 16, 2024 deadline; GIS is working on back end for tool to support the process, and expects tool to be ready in February
- h. Sewer System Asset Management Projects
 - CCTV Program: Sewer Crew exceeded 10% videoed in 2022
 - Snowpack and Sewer Flow Monitoring Program (Consultant: Carollo): Staff has tracked flows during rain-on-snow events and reported findings to Sewer Crew for investigation. No snowpack monitoring has been performed this season due to staffing shortage.
 - Manhole Assessments: Staff is reviewing inspections of 2000+ manholes and finding very few were recommended for major repairs
- i. General Asset Management Projects
 - GIS Dashboards: Staff has completed dashboards for security cameras and snow plowing, and will now begin manhole inspection and access dashboards

OTHER

- a. Luther Pass Pump Replacements
 - Flowserve found that new base will not fit existing piping, and has submitted change order request to District for review
- b. Emergency Pump Station Motor Failure
 - Staff met on January 10 to discuss next steps for troubleshooting and is reaching out to contractors and consultants for support
- c. Diamond Valley Ranch
 - On December 15, Board approved Task Order for Domenichelli and Associates to continue supporting irrigation system operation and reporting for 2023-2025
- d. Tahoe Keys Water System
 - Staff presented results of Phase 1 and 2 assessment to Board on December 15
 - Staff is working with Kennedy Jenks to prepare Phase 3A scope of work for Keys and Board consideration, including review of existing documents and preparation of workplan for condition assessment and alternatives evaluation
 - Staff will coordinate 3x3 meeting before bringing amended reimbursement and consultant task order to Keys and Board for consideration
- e. Community Project Support and Interagency Coordination
 - Staff met with USFS regarding Taylor-Tallac Restoration project and is compiling design criteria for Baldwin Beach Sewer Relocation for possible inclusion in USFS project
 - Staff received a letter from El Dorado County in response to EID letter concerning changes to trench backfill requirements; Staff is preparing a response
 - Staff is working on Apache Ave WL design in preparation for meeting with the County in late January to discuss conflicts with storm drain plans
 - Water Crew is preparing to do a field assessment of valves in the Barton/3rd Ave area in preparation for the City's storm drain project this summer
 - Staff is coordinating a meeting with Liberty to provide data to help them prioritize critical District facilities
- f. WWTP Solar Project (Staten)
 - Title report received on December 27 to confirm deed restrictions in place for property; in review by District's attorney
 - Staten submitted 50% Design Plans to STPUD for review on December 1; they have been routed to consultants for review and comments are expected by January 12
 - Staten is working with Liberty on System Impact Study, which will require STPUD to enter an agreement with Liberty at Staten's cost; Staff is working out next steps
- g. Grants
 - On January 6 the District received a notice of award from the Bureau of Reclamation for a \$100K WaterSMART Small-Scale Water Efficiency grant for the new Washoan-Acoma PRV, to be installed by 2024.
 - Staff is preparing the annual project updates for the TRPA EIP listing
 - On January 4, Staff received a request for comment from CASA regarding impacts of new BABA (Buy American) requirements on project implementations; Staff is responding
- h. Engineering Staffing:
 - Water Resources Manager and Senior/Associate Engineer currently recruiting, only a few applications received by January 9; in review by Staff
- i. Capital Improvement Planning:
 - Annual presentation of Engineering CIP to Staff held on December 21
 - Staff is planning Board CIP Workshop for third week of February