



SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING

Monday, May 17, 2021

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

District Office, Conference Room 1st Floor

1275 Meadow Crest Drive, South Lake Tahoe, California

Please join the meeting from your computer, tablet or smartphone:

<https://global.gotomeeting.com/join/724590589>

You can also dial in using your phone:

United States (Toll Free): [1-866-899-4679](tel:1-866-899-4679)

Access Code: 724-590-589

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
 - Fire Risk Vulnerability Assessment
 - b. Water System
 - No news as of May 12
 - c. Sewer Collection System
 - Conversion of Fallen Leaf Main Station
 - d. Wastewater Treatment Plant (WWTP)
 - Emergency Retention Basin (ERB) Liner Damage
 - e. Export System/Recycled Water Facilities
 - No news as of May 12
- 3. ENGINEERING ISSUES**
 - a. General
 - No news as of May 12
 - b. Water System
 - City's paving plan versus future waterline projects

- c. Sewer Collection System
 - Engineering is working with Underground Repair Sewer to assess cleaning of enhanced cleaning (EC) pipes
- d. Wastewater Treatment Plant (WWTP)
 - Bid award recommendation – Blower Generator and Secondary Clarifiers No.'s 1 and 2
- e. Export System/Recycled Water Facilities
 - The winter power generation season ended April 28 with the start of summer irrigation

4. DISCUSSION OF STAFF REPORT

(Board Members pull items of interest from Engineering Staff Report below for further discussion)

5. SPECIAL REPORT

- a. Upcoming Crossings Assessment Request for Proposals (RFP) (presentation by Ivo Bergsohn)
- b. Recycled Water Strategic Plan RFP (presentation by Steve Caswell)
- c. Consultant Selection
- d. Tahoe Keys Emergency Supply Update

6. ADJOURNMENT (Next meeting is planned for Monday, June 14, 2021, 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 STAFF REPORT (as of May 12, 2021)

CONSTRUCTION PROJECTS

- a. Meters Phase 5B (Contractor: Vinciguerra)
 - Closeout Agreement approved by Board on April 15
 - Final payout being processed for June 3 Payment of Claims
- b. Luther Pass Tank No. 2 and Site Valving (Contractor: TNT Industrial)
 - Tank No. 2 has been demolished and column foundations are being upgraded
 - Replacement of defective sleeve valve body in progress
- c. Heavenly Tank – Recoat and Site Improvements (Contractor: Haen)
 - Final Change Order and Closeout Agreement being brought to Board on May 20
 - Final payout being processed pending Board approval for June 3 Payment of Claims
- d. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
 - Staff is reviewing contractor cost estimate to install a new communications tower at the WWTP
 - Construction on Clarifier No. 3 has begun
 - Clarifier will be taken offline week of May 24

- e. Rocky 2 Waterline Replacement Project (Contractor: Haen)
 - Change Order No. 3 and Notice of Completion being brought to Board on May 17
- f. Rocky 1 Waterline Replacement Project (Contractor: Haen)
 - Board awarded bid to Haen Constructors on April 1
 - Contract in progress
 - Contractor mobilized on May 11 to Rocky 1 Waterline area
 - Staff held customer meeting in field on May 12
- g. Keller Heavenly Phase 1 Project (Contractor: White Rock)
 - Board awarded bid to White Rock Construction on April 15
 - Pre-Construction meeting held on May 11
 - Potholing for future waterline interties on Pioneer Trail to commence May 13

PLANNING/DESIGN

- a. Groundwater Management Planning
 - 2020 Water Year Annual Report was presented to Board on April 15
 - Staff conducted groundwater level readings the week of May 10
 - Staff is reviewing new potential contamination sites for Groundwater Management Plan (GWMP) update
 - Staff received additional information from Lahontan on private wells to supplement Well-Owner's Survey
- b. Paloma Well Rehabilitation
 - Authorization to bid approved by Board on April 15
 - Bid opportunity advertised April 23
 - Virtual pre-bid meeting held on May 3 – Two prime contractors in attendance
 - Bid opening scheduled for May 14
- c. Tahoe Keys Pump Station (Consultant: Carollo)
 - Consultant Services During Construction proposal approved by Board on April 15
 - Solicitation for bids advertised on April 30; mandatory virtual pre-bid bid opening scheduled for June 16
- d. Keller-Heavenly Improvements Project (Consultant: Farr West)
 - Phase 2 advertised for bidding on May 7
 - Bid opening scheduled for June 29
 - Proposal for amendment to Phase 2 Design services to Board on May 20
- e. Blower System Emergency Power and Improvements Project (Consultant: Carollo)
 - Bids opened on May 4 - Three bids received
 - Recommendation for award to Board on May 20
 - Irregularities in funding documentation of two bids
 - Protest period extended
 - Staff recommending two lowest bids be found non-responsive
 - Award to third bid
 - Consultant Services During Construction Proposal to Board for consideration May 20

- f. Secondary Clarifiers No's. 1 and 2 Project (Consultant: Carollo)
 - Project bidding with Blower Generator (see above)
 - Staff is waiting for word from FEMA for approval of \$2.25M grant for seismic upgrades
 - Project scored 13 points and State recommended 12 as cutoff for State Revolving Fund (SRF) Funding
 - Expect June 15 approval of list by State Board
 - Expect Contracts complete by June 2022
 - BOTH outside funding sources must be secured to build this Project

- g. Water Tanks Backup Power Project
 - Project bid with Blower Emergency Power(see above)
 - Bid prices ranged from double to triple the Project budget
 - Staff will recommend at May 20 Board meeting that the battery work be removed from the scope of the construction Project
 - Undergo value engineering and rebid as stand-alone

- h. Wastewater Treatment Plant Fuels Reduction Project
 - Board approved updated Sponsor Agreement with California Conservation Corps (CCC) at May 4 meeting

- i. Urban Water Management Plan (Consultant: Kennedy Jenks)
 - The Draft 2021 Plan is posted on the District website and will be brought to the Board for adoption in June

- j. Tanks Asset Management
 - Authorization to bid for coating touchups at six water and wastewater tanks approved by Board on May 6
 - Project advertised for bids on May 12
 - Bid opening scheduled for June 3
 - Coating touchups will be performed over the 2021 and 2022 seasons

- k. Tallac Creek Crossing (Consultant: NHC)
 - Lake levels are dropping rapidly and top of crossing may be exposed soon
 - Project is currently budgeted for 2027 - May need to get moved up to 2022
 - Staff is preparing a plan and getting permits in place with consultant

- l. Future Waterlines
 - Staff has submitted a project proposal for Bowers/Bijou, Black Bart and Pioneer Trail waterlines under federal appropriations funding package
 - Staff is working on modifications to Project list for SRF funding package currently in review

- m. Water System Asset Management Projects
 - Water Station Electrical Condition Assessments
 - Business Case Summaries (BCS)being prepared for select stations
 - Visual inspections performed on April 7 and May 12
 - BCS review meeting scheduled for June 9
 - Artificial Intelligence (Consultant: Baseform)
 - Staff is preparing presentation to Operations Committee in June

- Satellite Leak Detection
 - District signed contract with Utilis - Expect results end of May
 - Water Station Backup Power - Staff has prepared an application for FEMA Mitigation Funds for a backup generator capable of powering either Al Tahoe Well or Bayview Well from the Al Tahoe site
 - Water Crossings Condition Assessment - Being performed in conjunction with Sewer Crossings Condition Assessment
 - Cathodic Protection Pilot Study - Consultant returned to hook up pilot system
 - Initial results show 4 of 11 anodes are discontinuous with main
 - Evaluating causes and effects
- n. Sewer System Asset Management Projects
- WWTP Condition Assessment (Consultant: Water Systems Consultants) - BCS prepared for WWTP Electrical reviewed with staff on May 5 BCS for WWTP Piping reviewed with staff on May 12
 - Sewer Station Electrical Condition Assessments - BCS in progress with Water Stations
 - Recycled Water Strategic Plan (Consultant: TBD) - Proposals due May 24
 - Sewer Crossings Condition Assessment (Consultant: TBD) - Request for Proposals in preparation with an expectation to advertise by end of May

OTHER

- a. Tahoe Keys Emergency Supply
- Board approved Staff proposal to divert irrigation water requests to Lukins on April 15,
 - Intertie tested by STPUD and Keys Staff on April 20 - Confirmed can flow 500 gpm at non-peak hours with Tata Booster and Airport Booster offline
 - Staff making upgrades to Twin Peaks so Tata Booster can remain offline more often
 - Staff making upgrades to Airport Booster so that it can remain offline more often
 - Staff sent a letter to Keys detailing types of system upgrades to STPUD and Keys systems needed for STPUD to provide uninterrupted supply
 - Staff received letter from Keys requesting alternatives for wholesale or retail service to Keys, as well as takeover
- b. Water Audit
- Staff has scheduled the required outside validation of the Annual Water Audit for June 21
- c. Wastewater Treatment Plant Solar Project
- *Tahoe Mountain News* May cover story provides an informative summary of this project
 - District staff met on April 20 with TRPA staff to discuss anticipated Project permitting requirements
 - Board Member, Shane Romsos, performed a drone survey of the proposed Project site - Staff has used this to prepare conceptual overview map of site
 - Staff continues to work with CORE/Prostar and Optony to prepare the Power Purchase Agreement
 - CORE/Prostar is preparing applications for the District to submit to Liberty Utilities for the new solar system
 - Staff met with CORE/Prostar on May 12 to discuss next steps for Contract execution, utility applications, design, permitting, and environmental documentation