



## **SOUTH TAHOE PUBLIC UTILITY DISTRICT WATER AND WASTEWATER OPERATIONS COMMITTEE MEETING**

**Monday, April 18, 2022 - 2:30 p.m. to 4:00 p.m.**  
**District Office, Conference Room 1<sup>st</sup> Floor**  
**1275 Meadow Crest Drive, South Lake Tahoe, California**

**Please join the meeting in person or remotely from your computer, tablet or smartphone:**  
Microsoft Teams Meeting

**Join on your computer or mobile app** [Click here to join the meeting](#)

**Or call in (audio only)** [+1 332-249-0500,,107558986#](tel:+13322490500)  
**Phone Conference ID: 107 558 986#**

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**David Peterson**

**OPERATIONS COMMITTEE**

**Shane Romsos**

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(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
    - Monthly Reactive Work Order report
  - b. Water System
    - Ongoing water quality concerns on steel mains
  - c. Sewer Collection System
    - No news as of April 13
  - d. Wastewater Treatment Plant (WWTP)
    - Holding Pond No. 1 remains offline
  - e. Export System/Recycled Water Facilities
    - Luther Pass Pumps vibration investigation
- 3. ENGINEERING ISSUES**
  - a. General
    - No news as of April 13
  - b. Water System
    - No news as of April 13
  - c. Sewer Collection System
    - Bijou Pump Station Request for Proposals (RFP) Results

- d. Wastewater Treatment Plant (WWTP)
  - Grout failure at Secondary Clarifier No. 3
  - Secondary Clarifier No.'s 1 and 2 Project schedule
- e. Export System/Recycled Water Facilities
  - No news as of April 13

**4. DISCUSSION OF STAFF REPORT** (Board Members pull items of interest from Engineering Staff Report below for further discussion)

**5. SPECIAL REPORT**

- a. Tahoe Keys Emergency Supply Update

**6. ADJOURNMENT** (Next meeting is planned for Monday, May 16, 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 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

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## **ENGINEERING STAFF REPORT (as of April 13, 2022)**

### **CONSTRUCTION PROJECTS**

- a. Secondary Clarifier No. 3 Rehabilitation Project (Contractor: TNT Industrial)
  - District has received letter from contractor's consultant providing an assessment of the grout placement and conditions contributing to failure
    - Staff is reviewing with counsel
  - Surface prepare is mostly complete
    - Staff expects the contractor to proceed with replacement of the grout layer at the end of April
- b. Blower Generator, Secondary Clarifiers No.'s 1 & 2, and Tank Backup Power (Contractor: Vinciguerra)
  - Contractor has completed wire pulls and tie-in for generator
    - This phase of construction is nearing completion
  - Staff has notified contractor that FEMA funding schedule will delay Secondary Clarifiers mobilization until 2023
    - Cost impacts are being assessed
  - Board approved Change Order on April 7 to cover additional costs due to material price escalation, reduce retention to 5% and to make other administrative changes to Contract
- c. Tahoe Keys Pump Station Rehabilitation Project (Contractor: T&S Construction)
  - TRPA Permit review is critical path for commencing construction in May
    - Staff has provided all additional documentation requested
  - Shoring and dewatering resubmittals are also critical path for commencing construction in May

- d. Paloma Well Rehabilitation (Contractor: Zim Industries)
  - The work to pull the pump and inspect the leads at South Upper Truckee Weill is being added to the scope for this Project
  - Zim has confirmed pump for Paloma is on order and awaiting delivery
- e. Bowers & Bijou 2/3 Waterline Replacement Projects (Contractor: Vinciguerra)
  - City Council approved payment-in-lieu of paving agreement on March 15
    - District will determine final quantities for payment after waterline is installed
  - Notice to Proceed for Bijou 2/3 issued March 22
  - Contractor has started to mobilize and is preparing for an early start by April 15, if approved by TRPA

### **PLANNING/DESIGN**

- a. Groundwater Management Planning
  - Groundwater Management Plan (GWMP) Update
    - El Dorado Water Agency will consider resolution and adoption of Plan at public hearing on April 13
    - Board will consider Resolution and adoption of Plan at Public Hearing on April 21
  - 2020/21 Water Year Annual Report
    - Staff submitted report to State on March 29
- b. Tallac Creek Sewer Crossing (Consultant: NHC)
  - Permit applications have been submitted in anticipation of Fall 2022 construction
  - Staff has concerns about USFS availability to review and approve in time
- c. Keller-Heavenly Phase 3 Project (Consultant: Farr West)
  - Project will advertise for bid on April 21
    - Mandatory pre-bid meeting to be held May 5
- d. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
  - Board approved the selection and authorized the Task Order for Kennedy Jenks April 7
- e. Bijou Pump Station Project (Consultant: TBD)
  - Two proposals received from consultants on April 11
  - Staff intends to make its selection and bring a recommendation to the Board for consideration May 5
- f. Luther Pass Tanks Rehabilitation Project (Consultant: Bayez and Patel)
  - Staff working with Consultant to prepare scope and budget for plans and technical specifications for the Tank 1 Rehabilitation
    - Staff expects to bring the proposal to the Board for consideration in May
- g. Future Waterlines
  - Staff has requested an updated proposal from NCE to provide engineering design services for the Bijou 1 Waterline in preparation for potential grant funding; Staff plans to bring the Task Order to the Board for consideration on May 5
  - Board adopted a Negative Declaration for the Pioneer Trail Waterline on April 7

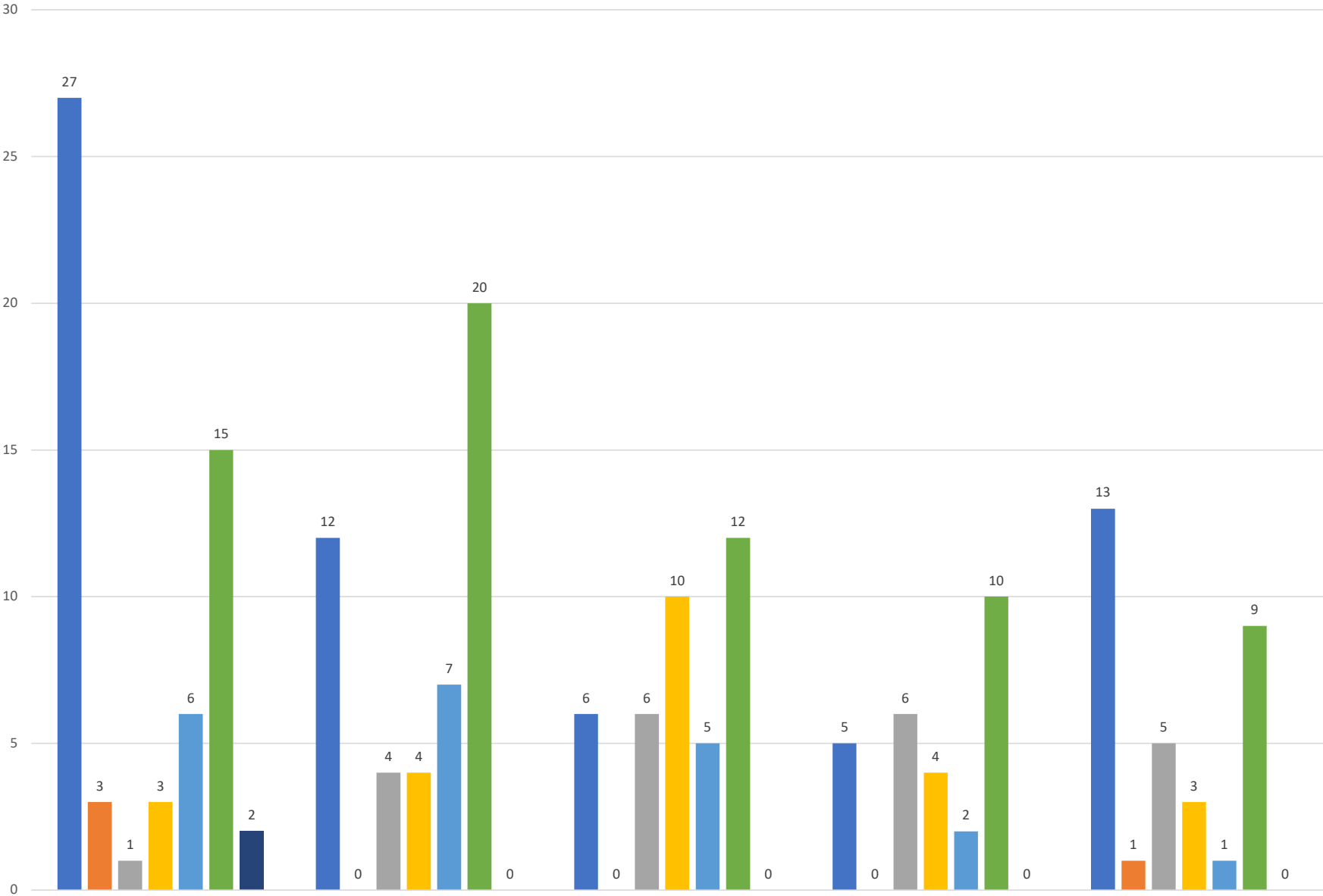
- h. Future Sewerlines
  - Engineering is working with URS to prioritize TV work and identify access issues in the Montgomery Estates to support the planned CIPP rehabilitation project
  - Engineering is defining a project scope to be implemented in 2024
- i. Water System Asset Management Projects
  - Water Crossings Condition Assessment: See Sewer Crossings Condition Assessment
  - Water Station Electrical Condition Assessments (Consultant: WSC/HDR)
    - Staff has ERS to perform electrical testing in May
    - Field station tests will require coordination with Liberty
- j. Sewer System Asset Management Projects
  - WWTP Condition Assessment (Consultant: Water Systems Consultants)
    - Task Order 1C was approved by the Board on March 17, for supplemental structural support
    - Staff is planning underground piping assessments
    - Electrical testing to commence in May (see Water Station Electrical Condition Assessments above)
  - Sewer Station Electrical Condition Assessments: See Water Station Electrical Condition Assessments (above)
  - Sewer Crossings Condition Assessment (Consultant: Cardno)
    - Consultant has transferred GIS tool to the District
  - Closed Circuit Television (CCTV) Program
    - Staff presented Annual Board Report on March 17
    - Staff is preparing cost information to backup recommendation to discontinue Panoramio system
  - Snowpack and Sewer Flow Monitoring Program (Consultant: Carollo)
    - Staff has concluded annual snowpack monitoring with a final reading on April 1
  - Sewer Station Monitoring Systems
    - Riventa monitoring system has been delivered and is awaiting installation at Luther Pass Pump Station

## **OTHER**

- a. Luther Pass Pump Replacements
  - Staff working with WSC/HDR to investigate high vibrations seen at position No. 1
    - Collecting vibration data and physical measurements
  - Staff met with WSC to discuss floor survey performed by Lumos
    - Points measured are within tolerances
  - WSC has prepared guidance for how to level and grout pump bases
- b. Tahoe Keys Emergency Supply (Consultant: Carollo)
  - First draft of Tasks 1 and 2 reports received from consultant on March 27
  - Initial round of comments from staff will go back to consultant to address before distributing to Tahoe Keys Property Owners Association (TKPOA) for further comment
  - Expect revised draft of report to be available in early May
- c. Community Project Support and Interagency Coordination
  - Staff issued “will serve” letter to developer in support of Sugar Pine Village Project

- Awaiting project-specific information on fire demands to finalize water system impacts assessment
  - City's Pioneer Trail Pedestrian Improvements Project delayed to 2024
    - Buying more time for collaboration with water system improvements
  - Staff meeting with City and Southwest (SW) Gas on April 26 to coordinate Capital Improvements Program (CIP) Projects
  - Staff meeting with County and SW Gas on April 27 to coordinate CIP Projects
  - Staff meeting with United State Forest Service (USFS) on May 24 to introduce District staff and projects to USFS Team
  - Staff participating in a panel discussion regarding Caldor Fire at Association of California Water Agencies (ACWA) on May 5
- d. WWTP Solar Project
- Solar Ad-Hoc Committee meeting scheduled for April 21
  - Staff is working with Prostar/CORE to update contract documents by mid-April
  - Staff is revisiting options for Project implementation prior to meeting with Ad-Hoc Committee
- e. CIP Planning:
- Updating CIP Annual Plan document for posting to website by end of May
- f. Engineering Staffing
- Water Resources Manager
    - Recruitment is underway
    - Interviewing four candidates April 19
  - Engineering Intern
    - Recruitment is underway through Blue Ribbon
  - Board approved Proposal from CME on April 7 to provide inspection support services for Bowers and Bijou 2/3 Waterline Projects from May to October

# of Monthly Reactive Work Orders



■ Water Leaks ■ Water Quality Complaints ■ Sewer Pipes & Manholes ■ Sewer Stations ■ Water Stations ■ WWTP ■ DVR

### Total Hours on Reactive Work Orders

