

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

Monday, March 13, 2023

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

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

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Nick Haven

OPERATIONS COMMITTEE

Shane Romsos

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(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 during March 10 rain event
  - d. Wastewater Treatment Plant (WWTP)
    - Storm response – March 10 rain event
  - e. Export System/Recycled Water Facilities
    - Storm response - Diamond Valley Ranch
    - Luther Pass Pumps
3. **ENGINEERING ISSUES**
  - a. General
    - Consultant construction inspections
  - b. Water System
    - Coordination with City and County storm drain projects
  - c. Sewer Collection System
    - No news as of March 8
  - d. Wastewater Treatment Plant (WWTP)
    - No news as of March 8
  - e. Export System/Recycled Water Facilities
    - No news as of March 8
4. **DISCUSSION OF STAFF REPORT** (Board Members pull items of interest from Engineering Staff Report below for further discussion)

**5. SPECIAL REPORT**

- a. None

**6. ADJOURNMENT (Next meeting is planned for Monday, April 17, 2023, 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 March 8, 2023)**

**CONSTRUCTION PROJECTS**

- a. Secondary Clarifier 3 Rehabilitation Project (TNT Industrial)
  - Final payment sent to TNT on March 1
- b. Luther Pass Tank 2 Replacement (TNT Industrial)
  - Board approved deductive change order on February 16
  - Expect to issue final payment by March 10
- c. Rocky 1 Waterline Replacement Project (Haen)
  - Board approved Closeout Agreement on February 16 and final payment issued
- d. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Vinciguerra)
  - Staff preparing descoping change order for Secondary Clarifiers 1 and 2 for Board consideration March 16
- e. Secondary Clarifier 2 Rehabilitation Project (Contractor: TBD)
  - Mandatory pre-bid meeting held February 23; 4 general contractors attended
  - Bid opening scheduled March 28
- f. Luther Pass 1 / Heavenly Tanks Rehabilitation Project (Contractor: TBD)
  - Mandatory pre-bid meeting held February 13; 6 general contractor attended
  - Bids opened March 7: 4 bids received; Staff plans to recommend award on March 16
- g. Flagpole 2 / Iroquois 2 Tanks Recoating Project (Contractor :TBD)
  - Bid opening scheduled March 14, 10 am
- h. 2023 Tanks Touchups Project (Contractor: TBD)
  - Bid opening scheduled March 21, 10 am
- i. Barton Area Valves Installation (Contractor: TBD)
  - Staff is preparing Authorization for Bid for Board consideration on March 16
  - Plan to advertise by March 23 and open bids on April 13
- j. Keller Heavenly Phases 1, 2 and 3 Project (White Rock)
  - Staff is preparing a no-cost change order for Phase 2 for Board consideration March 16 to extend contract time in exchange for extended warranty

**PLANNING/DESIGN**

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
  - Staff is working with consultants to prepare 2022 Water Year Annual Report (due April 1)

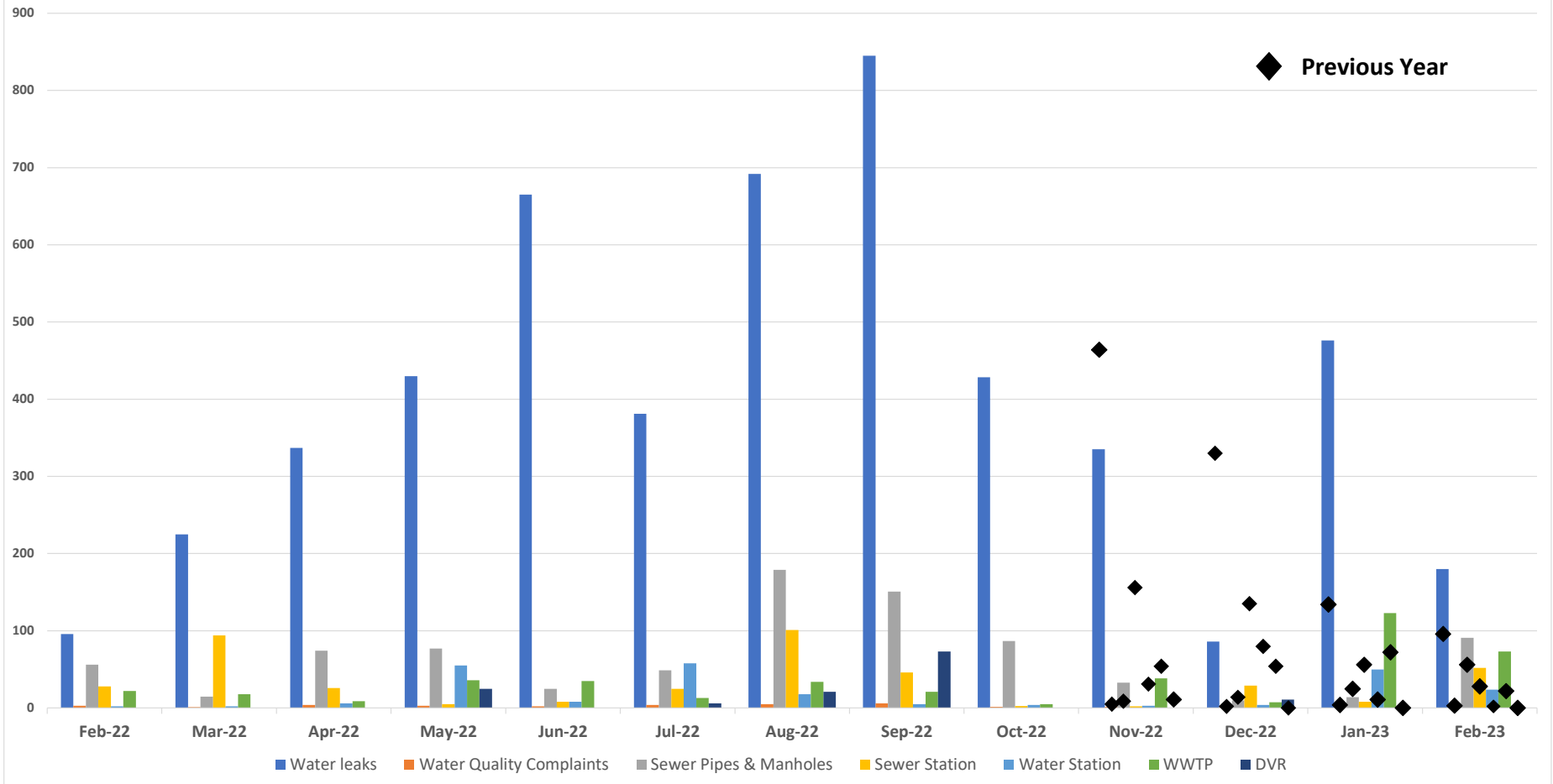
- b. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
  - Design workshop held January 12
  - Board approved Task Order Amendment on February 16, allowing consultant to proceed with design phase
- c. Bijou Pump Station Project (Consultant: WSC)
  - Staff successfully re-ran pump performance tests week of February 13
  - Staff is routing 90% plans and specs in-house for review by end of March
- d. Herbert Walkup Waterline (Consultant: None)
  - Due to delay in recruiting CAD Analyst, Staff Engineer has been reassigned design for completion in time for mid-summer bid
  - Staff has identified 5 segments of sewerline replacement to add to contract scope to address sags and enhanced cleaning issues
- e. Lower Shops Master Plan (Consultant: TBD)
  - Staff kickoff meeting held virtually March 8 in advance of preparing RFP
- f. Baldwin Beach Gravity Sewer and Pump Station Project (Consultant: NHC)
  - Staff has finalized preliminary design memorandum in support of gravity main relocation, pump and force main sizing
  - Staff is working with NHC to prepare scope of work for design of gravity main relocation and pump station rehabilitation in coordination with Taylor-Tallac Restoration Project
  - Staff is working with USFS on Participation Agreement to reimburse District for design costs
- g. Water System Asset Management Projects
  - Production Meter Calibration: Two proposals received February 28; in review by Staff with plan to bring recommendation to Board in April
  - Fire Hydrant Monitoring: Maintenance program ready to roll out, pending completion of Laserfiche form for use by URW
  - Satellite Leak Detection: Staff received proposal from Asterra for 2023 survey, with options for including Lukins, Keys and Lakeside; plan to perform survey in May
  - Water Leaks/Water Loss Program: Annual Board Report on Water Leaks on agenda for March 16; Annual Board Report on Water Loss scheduled for April 20
- h. Sewer System Asset Management Projects
  - WWTP Condition Assessment (Consultant: WSC): Draft corrosion assessment of process boxes received in January and reviewed by Staff; comments being prepared; Board authorized Task Order on February 16, allowing consultant to proceed with Tier 1 Structural Evaluation of URW Building, RAS Building and Filter Building
  - Sewer Station Monitoring: Electrical Staff has brought run status for Bellevue Pump Station into SCADA Historian to facilitate future storm monitoring
  - CCTV: Staff plans to make annual presentation to Board on April 6
- b. General Asset Management Projects
  - GPS: Collector app no longer communicating with Windows and Staff is investigating alternative GPS solutions for field tools
  - Field Communications: Staff met with Thunderbird on February 28 and requested updated proposal for new radios, antennas and ethernet at water stations in Angora and Flagpole Hubs, and programming new WWTP antennas
  - SCADA Upgrades: Kickoff with Carollo scheduled March 21 to develop reporting tools for WWTP Operations and SCADA Access Anywhere for Field Operations

## **OTHER**

- a. Luther Pass Pump Replacements
  - HDR scheduled to be on-site starting March 14 to assess pump vibrations

- b. Emergency Pump Station Motor Failure
  - After inspection, fabrication may have been contributing factor in bearing failure; damage will not allow rebuild without significant modification
- c. Diamond Valley Ranch
  - DVR Annual Irrigation Report and Indian Creek Reservoir Annual TMDL Reports both submitted to Lahontan in February before end of 10-day grace period
- d. Tahoe Keys Water System (Consultant: Kennedy Jenks)
  - Staff held Phase 3A Kick-off Meeting with Consultant on March 3; expect draft of Phase 3 workplan to be submitted by end of March
- e. Community Project Support and Interagency Coordination
  - Staff meeting with El Dorado County rescheduled for March 23 to discuss changes to trench backfill requirements and District's concerns, prior to finalizing comment letter
  - In response to \$900K of relocations to coordinate with City and County projects, Staff have applied for EIP numbers and is investigating opportunities for LTRA funding
  - Staff met with State on March 7 to discuss our comments and concerns about new landscape irrigation data received in February.
- f. WWTP Solar Project (Staten)
  - Staff met with Liberty week of February 20 and System Impact Study is proceeding
  - Staff met with Staten on February 28 to discuss intertie and permitting status
  - Project team will meet twice a month going forward
- g. Engineering Staffing:
  - Water Resources Manager and Senior/Associate Engineer: two offers have been made and accepted.
  - Recruitments for Engineering Inspector, CAD Analyst and Part-time Contracts Assistant have not yet commenced
  - Staff requested a proposal from Construction Materials Engineers to provide inspection support services during 2023 grading season for Board consideration on March 16
- h. Capital Improvement Planning:
  - Annual presentation of Engineering CIP to Board held February 16

Total Hours on Reactive Work Orders



# of Monthly Reactive Work Orders

