



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

Monday, August 14, 2023

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

Ranch House, Diamond Valley Ranch

1585 Diamond Valley Road

Woodfords, CA 96120

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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
    - Winter Storm Response
  - b. Water System
    - No news as of August 9
  - c. Sewer Collection System
    - No news as of August 9
  - d. Wastewater Treatment Plant (WWTP)
    - No news as of August 9
  - e. Export System/Recycled Water Facilities
    - Luther Pass Pumps
    - General Report from Acting Supervisor
3. **ENGINEERING ISSUES**
  - a. General
    - CAD Analyst Position
  - b. Water System
    - No news as of August 9
  - c. Sewer Collection System
    - Stanford Camp Electrical/Generator Building
  - d. Wastewater Treatment Plant (WWTP)
    - No news as of August 9
  - e. Export System/Recycled Water Facilities
    - No news as of August 9

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, September 18, 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 August 9, 2023)**

### **CONSTRUCTION PROJECTS**

- a. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Contractor: Vinciguerra)
- Staff issued directive July 28 for contractor to address fan noise / install cameras at tank sites
  - Lookout battery throws rectifier alarm when battery online; Contractor will troubleshoot and confirm if alarm is result of vandalism
- b. Secondary Clarifier 2 Rehabilitation Project (Contractor: T&S)
- Leak test on existing walls in late July resulted in far fewer repairs needed than on SC3
  - Concrete pour for clarifier footing scheduled for August 10, 4 am; neighbors notified
- c. Luther Pass 1 / Heavenly Tanks Rehabilitation Project (Contractor: RDC)
- Inlet and outlet valves on Luther Tank 1 not sealing properly; Staff and Contractor worked together to expose valves on August 7
  - Contractor proceeding with exterior welding of structural reinforcement
- d. Flagpole 2 / Iroquois 2 Tanks Recoating Project (Contractor: RDC)
- Staff authorized a switch to 100% solids epoxy for interior roof, to address condition problems
  - Contractor has been performing coatings work early (6 am start) for temperature control
  - Contractor is expected to complete work at both site by early September
- e. 2023 Tanks Touchups Project (Contractor: Unified Field Services)
- Forest Mountain Tank coating work complete and tank refilled for testing week of August 7
  - Contractor began work at Echo View Tank on August 7; 100% solids epoxy will be used on interior roof
- f. Barton Area Valves Installation (Contractor: Haen)
- At Staff direction, Contractor transferred services and abandoned redundant mains on several blocks in July, improving service to the area
  - One potential mainline relocation is left to be completed in August by City's contractor for storm drain improvements
- g. Keller Heavenly Phases 1, 2 and 3 Project (Contractor: White Rock)
- Staff received submittal for replacement bolts for tank floor; stamped by PE as required; upon approval, Contractor will schedule replacement of tank floor
  - Contractor tested portable bypass station; Staff directed to replace soft-start with VFD to avoid water hammer; expect VFD on-site next week; expect to take Keller Booster Station offline by end of August
  - New Regina PRV installed; plan to bring into service on August 9
  - New Wildwood/Saddle #3 PRV installed and put into service on August 1
  - Staff preparing Task Order for extension of construction support services by consultant, for Board consideration August 17

- h. Black Bart Waterline (Contractor: Vinciguerra)
  - As of mid-August, Contractor has installed approximately 2500 lf of mainline, no services
  - Expect Contractor to proceed with mainline installation on Black Bart by mid-September; anticipate traffic impacts during that work
- i. Tahoe Keys Pump Station (Contractor: T&S Construction)
  - Staff was notified early August that Liberty will require 400a service panel for station be replaced with project; this is a long lead item that may cause delay to project progress
- j. Paloma Well Rehabilitation (Contractor: Zim Industries)
  - Staff is meeting with CTC on August 15 to discuss renewal of meadow discharge permit, in order to complete aquifer test before installing new pump and motor
- k. Secondary Clarifier 1 Rehabilitation Project (Contractor: tbd)
  - Staff is preparing Authorization for Bid for Board Consideration on September 7
- l. WWTP Filters 3 and 4 Rehabilitation Project (Contractor: tbd)
  - Staff modifying design drawings to reflect the reprioritization of Filter 3 and 4, instead of 1 and 2
  - Staff is preparing Authorization for Bid for Board Consideration on September 7, with a plan to advertise on September 15

### **PLANNING/DESIGN**

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
  - Staff is preparing well inspection, maintenance and rehabilitation plan for use in budget process
- b. Al Tahoe/Bayview Backup Power & Well Rehabilitation Project (Consultant: Kennedy Jenks)
  - Consultant completed archaeological surveys of Al Tahoe and Bayview sites in June and is continuing with permitting activities
  - Staff is preparing a plan to demolish the old well house and abandon well ATW1, which is currently only used as an observation well
- c. Bijou 1 Waterline Replacement Project (Consultant: NCE)
  - Staff is scheduled to review 90% design comments with consultant on August 9
- d. Baldwin Beach Gravity Sewer and Pump Station Project (Consultant: NHC)
  - Staff is working with Consultant to finalize scope for Phase 1 Task Order
  - Staff is coordinating with Consultant to perform site visit for design by mid-September
- e. Return Activated Sludge Project (Consultant: TBD)
  - Two consultants submitted proposals on July 19; Staff reviewing
  - If no interviews needed, Staff will prepare a Task Order for Board consideration September 7
- f. Water System Asset Management Projects
  - Wells: Staff has drafted a testing and inspection program, with prioritization, which is being reviewed internally; Staff is preparing to commence annual baseline testing in September
  - Production Meter Calibration (Consultant: ME Simpson): Consultant's preliminary assessment of stations received mid-July; nearly all stations need some modification before calibration can begin; Staff will meet this month to discuss next steps and priorities
  - CMMS Replacement (Isle Utilities): Staff has narrowed list of technologies under consideration from 28 to 8; Consultant is providing some additional information to help Staff narrow the list from 8 to 6 by end of August, for in-depth consultant review
  - Satellite Leak Detection: Acoustic ground truthing expected to complete by mid-August; URW is beginning to work on fixing leaks and reporting ones they can't find
- g. Sewer System Asset Management Projects
  - Recycled Water Strategic Plan (Consultant: Carollo): Staff received final legal memo, so expect Alternatives Screening Memo to be final by mid-September
- h. General Asset Management Projects
  - Energy Baseline Assessment: Staff presented results to Board on July 20

- Climate Partnership (Consultant: Isle Utilities): Continues to meet monthly on different topics; next month, focus is wastewater treatment and Operations will attend
- GIS: Staff will meet with ESRI this month to work through ongoing issues with mobile solutions and the Explorer tool

**OTHER****a. Winter Storm Emergencies**

- Programmers on-site August 7 to test new motor at Emergency Pump Station; a few minor issues need to be resolved; expect to return rental pumps and generator by end of August
- Staff is working with Consultant (NHC) to finalize permitting requirements from Army Corps and Lahontan for “beach breach”; meanwhile, Staff continues weekly photo monitoring
- Staff expects to finish compiling Work Orders for March storms by August 11
- Staff has selected an alternative site within Stanford Camp for relocation of the Electrical and Generator Building, and is working with the Consultant (WSC/HDR), Contractor (White Rock) and other local agencies to design and permit project by mid-September

**b. Luther Pass Pump Replacements**

- Staff moved Pump 1 into Pump 2 position in mid-July, and is monitoring vibrations
- Staff received quote for Flowserve to make repairs to Pump 2, and is pushing back due to reported factory defects

**c. Tahoe Keys Water System Assessment (Consultant: Kennedy Jenks)**

- On July 19, Keys Board authorized reimbursement agreement for Phase 3B
- On July 20; Board authorized reimbursement agreement with Keys and Task Order with Consultant for Phase 3B technical assessment
- Kickoff meeting for Phase 3B of technical assessment held August 4 with Staff, Consultant and Keys; expect to complete interviews and draft field workplan by mid-September
- Staff and Keys reviewing proposal from El Dorado Water Agency consultant (Stantec) to provide non-technical consolidation support

**d. Community Project Support and Interagency Coordination**

- City work on Tahoe Valley Greenbelt area began August 7; Staff to provide field oversight of waterline relocation
- Staff has been notified of valves paved over in Montgomery Estates area from County's 2022 paving work; Staff will work with County to resolve by mid-September

**e. WWTP Solar Project (Developer: Staten)**

- Liberty provided results of System Impact Study to Staten, requiring protection equipment and monitoring at intertie; team met with Liberty to discuss on July 27
- Staten submitted environmental documents to State clearinghouse on August 3, starting 30-day public comment period; Staff planning to bring documents to Board for consideration and public hearing on September 7
- Staten submitted project application to TRPA on August 4

**f. Capital Improvement Planning:**

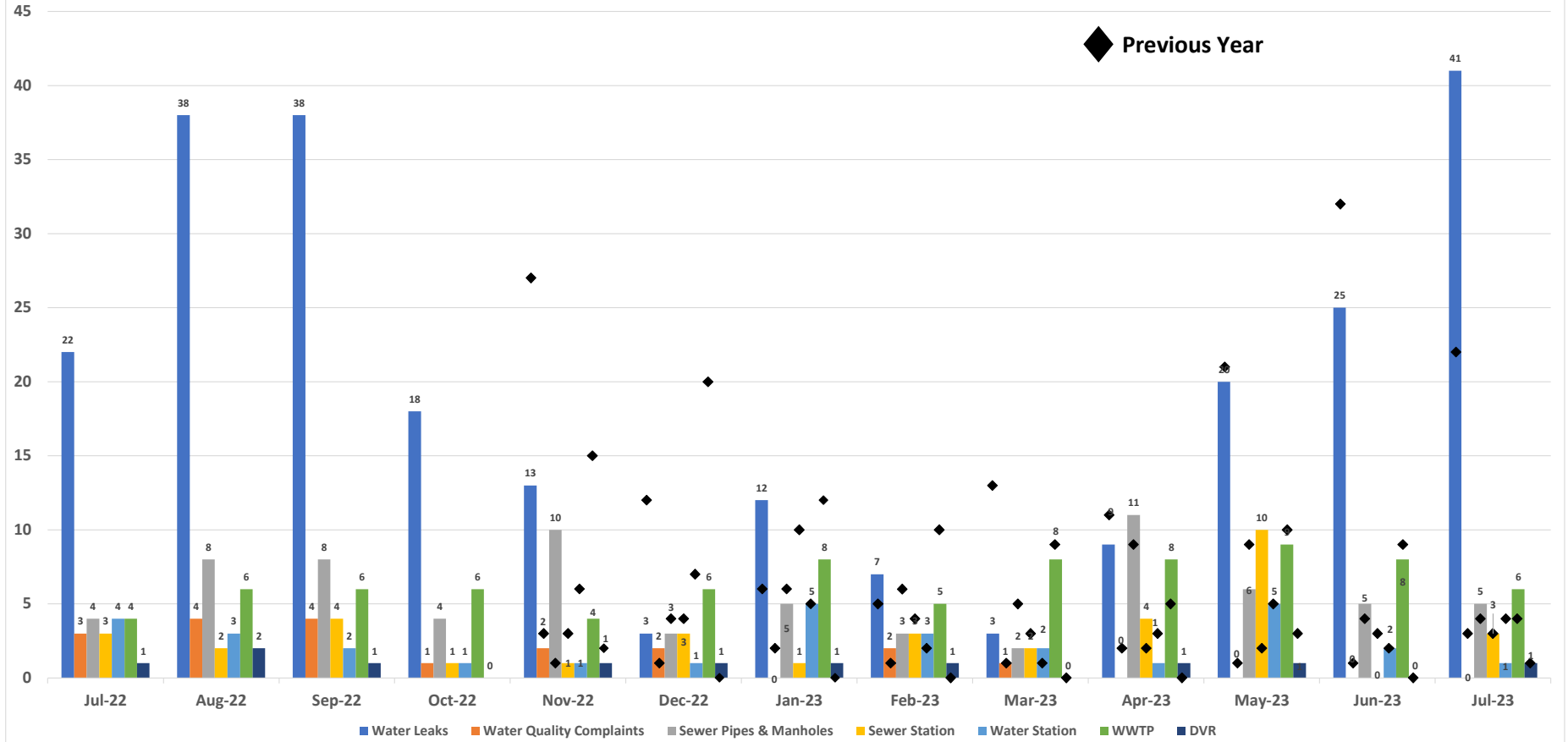
- Staff will meet August 16 for progress update on data collection priorities for next Prop 218

**g. Staffing**

- Reposting of CAD Analyst position closed with no qualified applicants; Staff plans to propose that Board eliminate position and direct Staff to proceed with consultant recruitment to fulfill CAD needs

# of Monthly Reactive Work Orders

◆ Previous Year



Total Hours on Reactive Work Orders

◆ Previous Year

