

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

Monday, May 15, 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

---

Nick Haven

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
    - Winter Storm Response
  - b. Water System
    - Ongoing water quality concerns on steel mains
  - c. Sewer Collection System
    - No news as of May 10
  - d. Wastewater Treatment Plant (WWTP)
    - No news as of May 10
  - e. Export System/Recycled Water Facilities
    - Luther Pass Pumps
    - Cyanobacteria levels down at ICR
3. **ENGINEERING ISSUES**
  - a. General
    - No news as of May 10
  - b. Water System
    - No news as of May 10
  - c. Sewer Collection System
    - No news as of May 10
  - d. Wastewater Treatment Plant (WWTP)
    - No news as of May 10
  - e. Export System/Recycled Water Facilities
    - No news as of May 10

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, June 12, 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

---

## **ENGINEERING STAFF REPORT (as of May 10, 2023)**

### **CONSTRUCTION PROJECTS**

- a. Blower Generator, Secondary Clarifiers 1/2, and Tank Backup Power (Vinciguerra)
  - Board approved descoping change order for Secondary Clarifiers 1 and 2 on May 4
  - Contractor returned May 8 to resume construction of radio tower at WWTP
- b. Secondary Clarifier 2 Rehabilitation Project (Contractor: T&S)
  - Notice to Proceed issued May 3; contract completion date is December 4
  - Contractor mobilized May 8; expect clarifier to come offline May 22
- c. Luther Pass 1 / Heavenly Tanks Rehabilitation Project (Contractor: RDC)
  - Notice to Proceed issued and Pre-Construction meeting held April 26
  - Contractor intends to mobilize by June 1; contract completion date is November 22
- d. Flagpole 2 / Iroquois 2 Tanks Recoating Project (RDC)
  - On April 20, Board approved Staff recommendation to find two low bidders non-responsive for failure to submit original bid security prior to bid opening, and awarded bid to third low bidder, RDC
  - Notice to Proceed issued and Pre-Construction meeting held May 11
  - Contractor wants to mobilize by Jun1, but snow coverage may delay; contract completion date is October 15
- e. 2023 Tanks Touchups Project (Contractor: TBD)
  - On April 20, Board approved Staff recommendation to find low bidder non-responsive for failure to submit original bid security prior to bid opening, and authorized Staff to rescope and rebid project
  - Rebid advertised May 5; Bid Opening scheduled for May 19; Staff intends to bring recommendation for award to Board on June 1
- f. Barton Area Valves Installation (Haen)
  - Two bids were received April 14
  - On April 20, Board approved Staff recommendation to find low bidder non-responsive for failure to submit original bid security prior to bid opening, and awarded bid to second low bidder, Haen Constructors
  - Notice to proceed issued and Pre-Construction meeting held May 4
  - Contractor mobilized on May 4; contract completion date is July 3.

- g. Keller Heavenly Phases 1, 2 and 3 Project (White Rock)
  - On May 4, Board approved a \$500,000 change order to the Phase 3 contract to provide a contracting mechanism for emergency storm response work at DVR
  - Pre-construction meeting for 2023 work held May 3
  - Expect Contractor to remobilize by May 15 and begin work at Wildwood Court to tackle a few difficult meter installations that are being added to the Contract as “As-Needed Water System Improvements”
- h. Tallac Creek Sewer Crossing (Haen)
  - Staff and consultant continue to work with USFS to finalize the post-construction monitoring report and revegetation mitigation plan; expect no work on revegetation until at least Fall 2023
  - On May 4, Board approved a \$150,000 change order to provide a contracting mechanism for emergency storm response work at and around Bellevue Pump Station
- i. Black Bart Waterline (Vinciguerra)
  - Pre-construction meeting held April 11; contractor plans to mobilize by May 15 to begin work at Ham Lane; work in Black Bart neighborhood expected to begin after Memorial Day

#### **PLANNING/DESIGN**

- a. Groundwater Sustainability Agency (Consultants: Kennedy Jenks and DRI)
  - Staff is working with consultant to prepare annual supply/demand assessment (due July 1)
  - First meeting of the Strategic Advisory Group for the Groundwater Sustainability Agency will be held June 7 at the District Board Room
- b. Bijou Pump Station Project (Consultant: WSC)
  - Staff and consultants held 90% design workshop on May 2; Staff comments due by end of May.
- c. Bijou 1 Waterline Replacement Project (Consultant: NCE)
  - Staff intends to finalize review of 90% design and return comments by June 10
- d. Return Activated Sludge Project (Consultant: TBD)
  - Staff is preparing a Request for Proposals for internal review and comment with a plan to advertise by early June
- e. Water System Asset Management Projects
  - Production Meter Calibration (Consultant: ME Simpson): Staff prepared a Task Order for ME Simpson to perform meter testing and calibration of well and booster flow meters; kickoff meeting with consultant and Staff scheduled for May 18
  - Fire Hydrant Monitoring: Ten-year Maintenance program rolled out to URW on May 4; Zone 8 will be completed this summer (180 hydrants in Christmas Valley), and URW will return feedback to Engineering on efficiency of tool
  - Lead Service Line Assessment: Staff is continuing to assess how to compile, collect and analyze our data by October 2024 and will propose an approach to upper management on May 31; Staff attended a workshop on April 21 for lead service identification tool and is considering its application to the District program; Staff is preparing an electronic form for field crews (URW and Customer Service) to use to identify pipe material whenever a service line is exposed
  - CMMS Replacement (Isle Utilities): Staff kickoff held April 18 with Staff and consultant; Staff confirmed the primary criteria for assessment; available technologies are in review for presentation to Staff in June and July

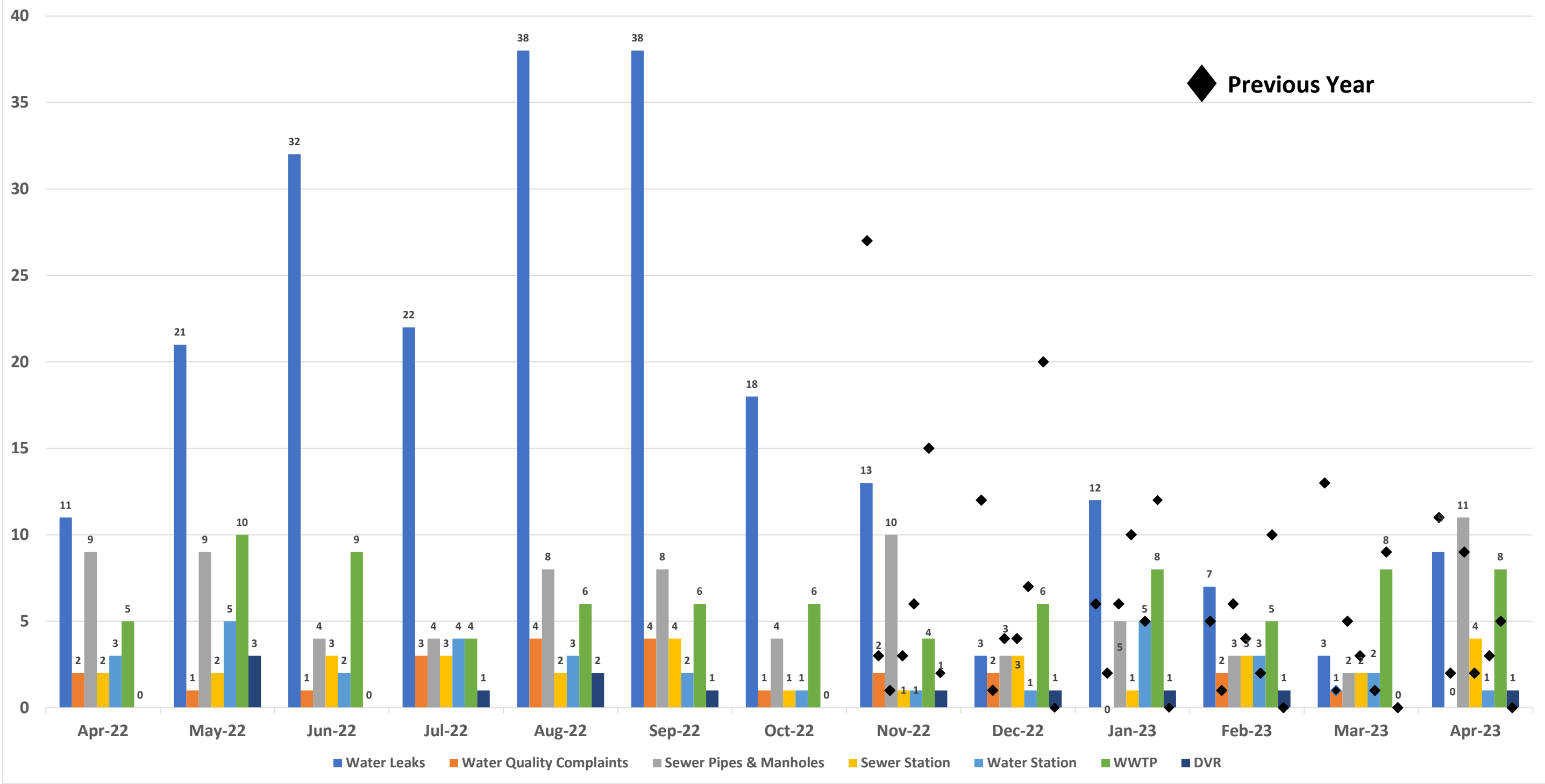
- Satellite Leak Detection: Staff is preparing GIS information for Lukins and Keys water systems to support interpretation of satellite data; flight is expected to occur in June
- Water Leaks/Water Loss Program: Staff presented Annual Board Report on Water Audit April 20
- f. Sewer System Asset Management Projects
  - WWTP Condition Assessment (Consultant: WSC): Consultant performed field inspections April 11-12 in support of Tier 1 Structural Evaluation of URW Building, RAS Building and Filter Building
  - Force Main Valve Exercising: Staff is developing program as a pilot for water system program
  - I&I Tracking: Staff met May 9 to discuss how manhole inspections are being used to inform areas of concern
- b. General Asset Management Projects
  - Field Communications (Consultant: Thunderbird): Staff is working with consultant to prepare proposal for Phase 2 and 3 buildout
  - SCADA Upgrades: West Yost programmers were on-site week of May 1 to roll out server upgrades; work is ongoing
  - Service Area Imagery: Staff approved a proposal from NearMap for an annual subscription allowing access to high resolution imagery for use with GIS and development of other projects

## **OTHER**

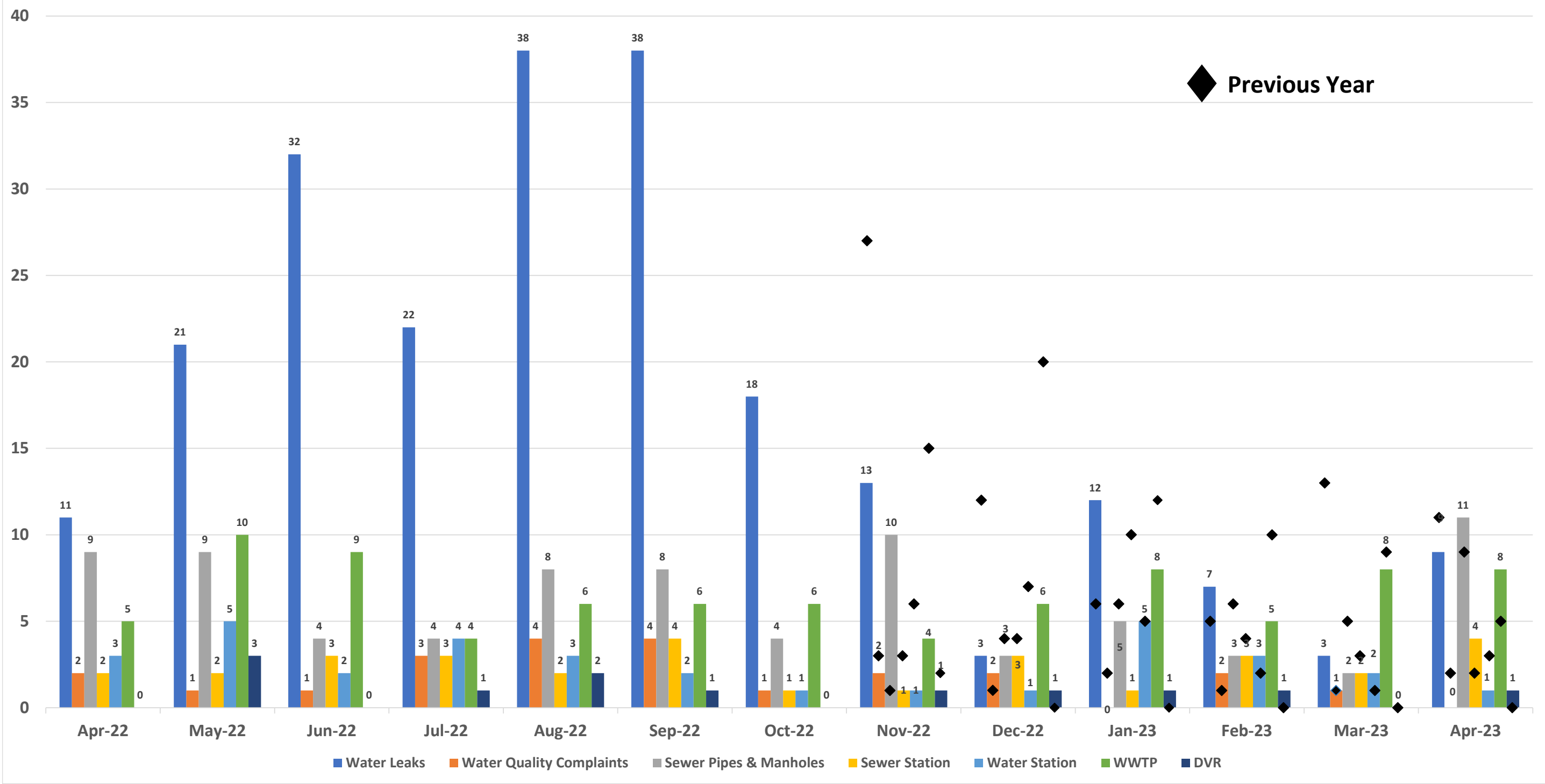
- a. Winter Storm Emergencies
  - The Planning Unit continues its active response activities under the Emergency Operations Center
  - Emergency Pump Station motor is on order and expected to be installed late May
  - Staff continues to monitor gravity sewer and pump station flows through snowmelt period; flows remain high from Upper Truckee and Tahoe Keys areas
  - Staff continued to oversee repairs at DVR by White Rock Construction, thru completion on May 10
  - Staff continues to meet with CalOES and FEMA to review emergency response activities and compile costs for submission
  - Staff is meeting with consultants (WSC/HDR) at Stanford Camp on May 17 to kick off a station replacement design for the Electrical and Generator Building under the emergency declaration
  - Staff continues to work with permitting agencies and consultant regarding Upper Truckee Marsh flood response
- b. Luther Pass Pump Replacements
  - 
  - HDR completed vibration monitoring week of April 3; initial review suggests 3 of 4 pumps are out of alignment; Pump 1 vibration is unusual and requires further discussion; HDR is compiling report with recommendations
  - Pump 2 (new in 2021) seized up week of May 1 and is being rebuilt by Pumps crew in coordination with pump manufacturer
- c. Tahoe Keys Water System Assessment (Consultant: Kennedy Jenks)
  - Staff is working with consultant to prepare workplan for field assessment and alternatives evaluation; draft plan expected by May 19
  - 3x3 Committee meeting with Boards and Staff is scheduled for June 5, with intent to bring reimbursement agreement for next phase to both Boards by early July

- Staff negotiated a 50% contribution from El Dorado Water Agency up (to \$205K) for consultant costs associated with the assessment
- d. Community Project Support and Interagency Coordination
- Board approved Reimbursement Agreement with El Dorado County on April 20 for relocation of 800 ft of water main on East San Bernardino Ave; expect County to award project late June
  - Field Operations will work with Granite Construction by late May to negotiate price to adjust manhole and valve cans along Pioneer Trail in coordination with County paving project by Granite.
- e. WWTP Solar Project (Developer: Staten)
- Staff executed the Interconnection Agreement with Liberty on April 21
  - Staff received confirmation on April 28 from Liberty that payment by Staten had been received and System Impact Study would proceed
  - Staff met onsite with environmental consultant May 3 to review impacts for environmental documentation and permit applications
  - Project is on track to break ground late summer
- f. DDW Reporting (Consultant: Kennedy Jenks)
- Staff is working with Field Operations to prepare Electronic Annual Report on water system status for submission by due date in mid-May
- g. Engineering Staffing:
- Water Resources Manager: Mark Seelos starts May 15
  - Part-Time Contracts Assistant: Maeko Bradshaw joined Engineering mid-April
  - Recruitments for Engineering Inspector and CAD Analyst are ongoing
  - Outside inspection services: two full-time inspectors scheduled to join Engineering for the summer starting May 11 and 22; Staff is preparing a Task Order for Bay Area Coatings Consultants to provide as-needed inspection services in 2023 for Board consideration on June 1
- h. Capital Improvement Planning:
- Staff met on April 19 to brainstorm data collection needs for the next Prop 218 and is preparing a calendar for tracking completion

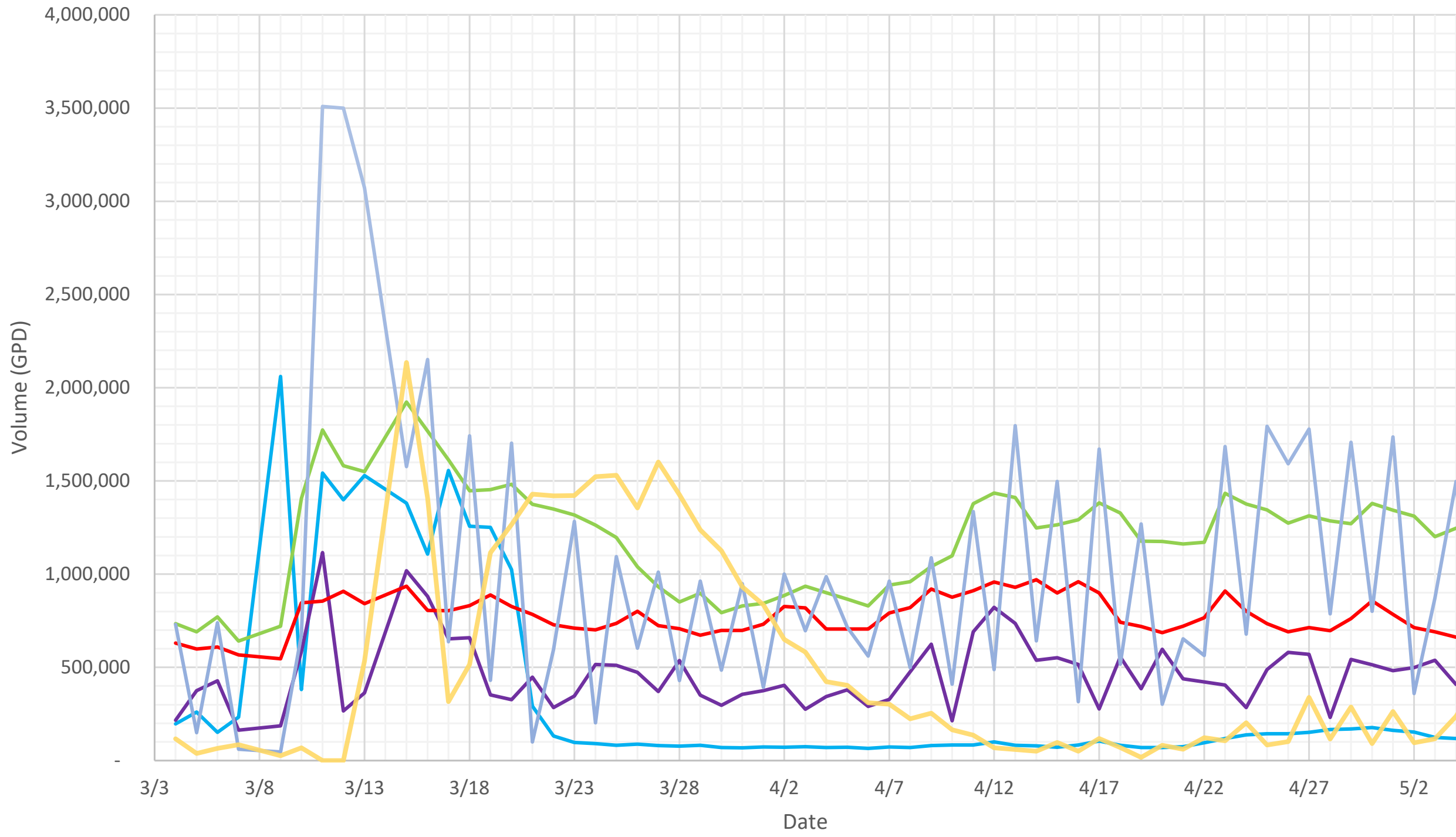
### # of Monthly Reactive Work Orders



### # of Monthly Reactive Work Orders



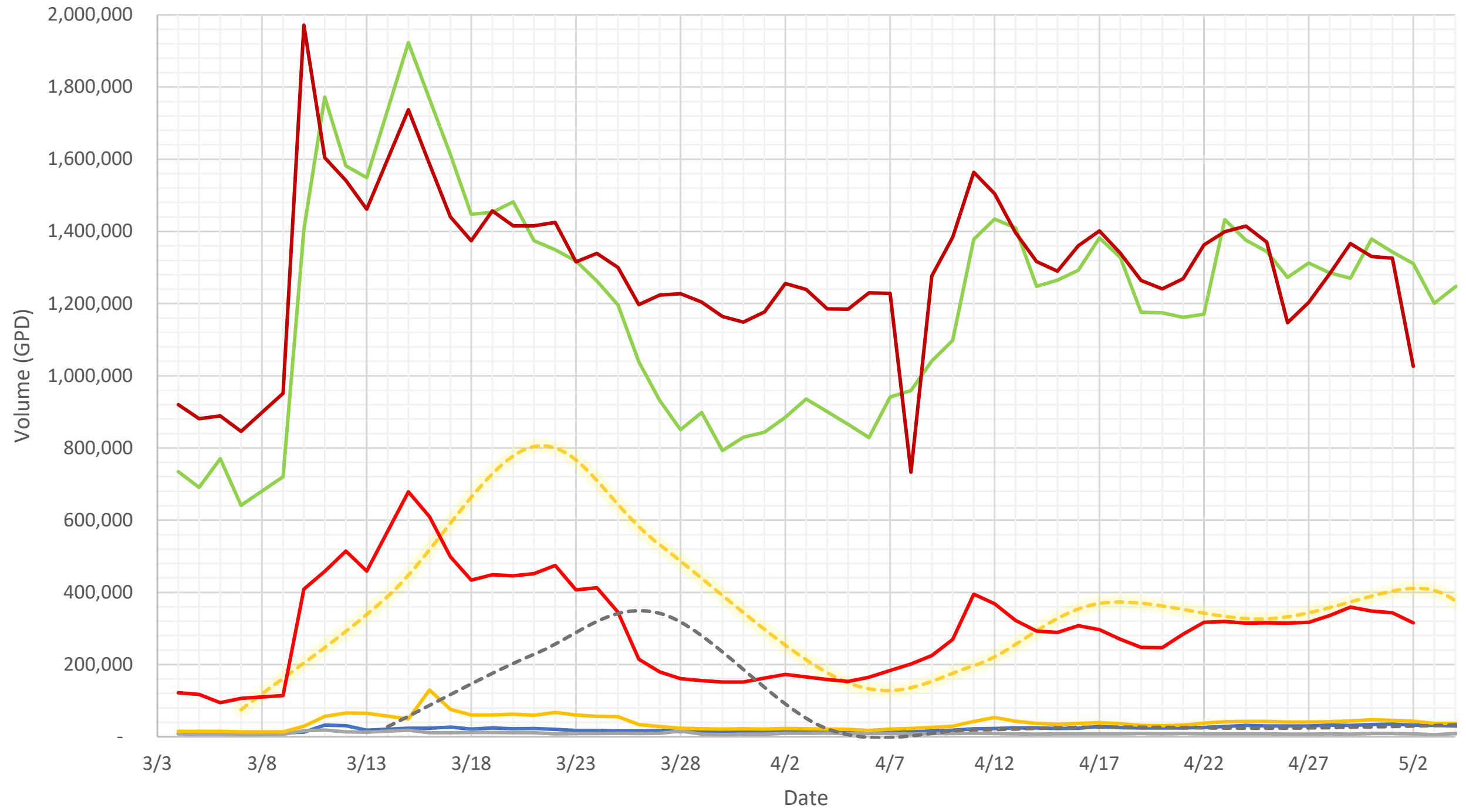
### Various Pump Station Field Log Totals



— Bellevue PS — Tahoe Keys PS — Johnson PS — Bijou — Upper Truckee — Trout Creek



### Tahoe Keys Basin Field Log Totals



- Tahoe Keys PS
 - - - Tallac PS
— Gardner Mtn
— Venice
- San Moritz
 — TK FM (Flow Monitor)
— TK Venice (Flow Monitor)
- - - Camp Rich