

## Operations and Maintenance Report April 2023

### Operations Department

### Wastewater Treatment Division

Influent Totals	
Total	4.50
Average	0.15
High	0.21
Low	0.10

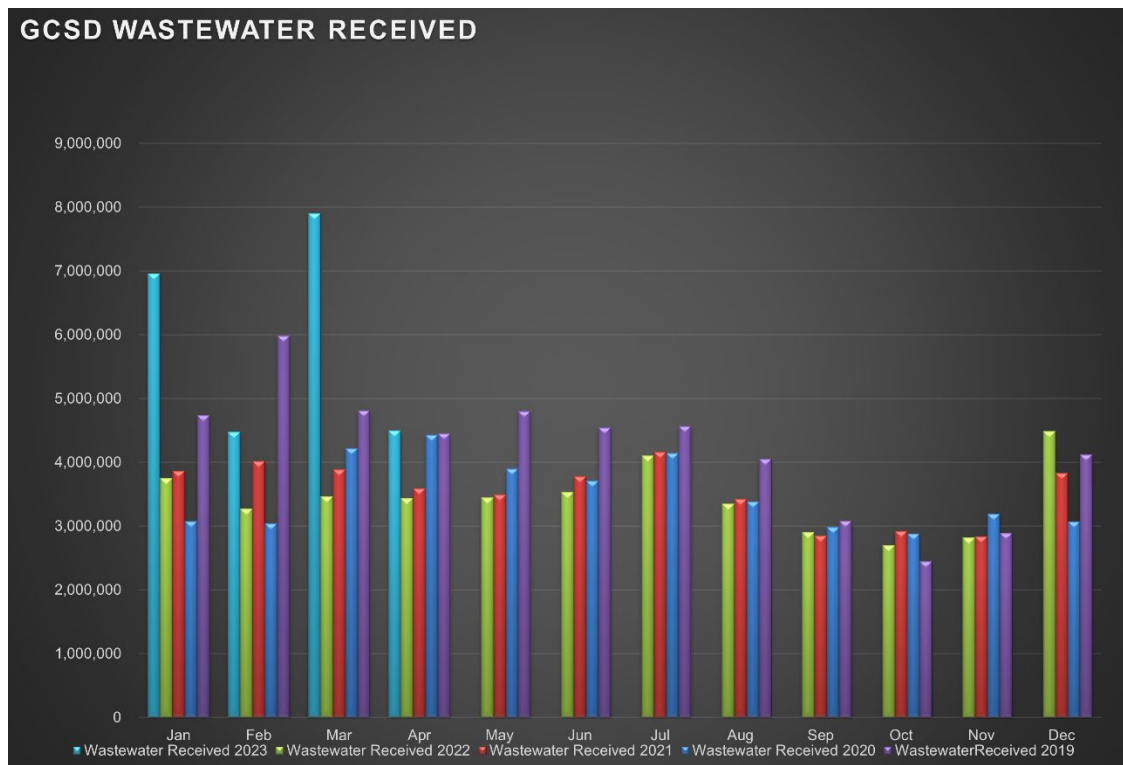
Effluent Totals	
Total	4.73
Average	0.16
High	0.22
Low	0.10

Reclamation Totals	
PML	
Spray Fields	
PML Season Total	
Spray Field Season Total	

Wasting Totals	
Total Inches	175
Total Pounds	2112
Active Accounts	1565

STP Rainfall Totals by Year During Current Month (Inches)					
Season	2023	2022	2021	2020	2019
	68.69	0.35	2.34	.49	3.26
	High 0.35	High 0.68	High 0.43	High 2.42	High 1.40

### Charted Historical Monthly Influent Totals



## **Wastewater Treatment Division**

### **Routine Tasks**

- Took weekly Bac-Ts and BOD of the Chlorine Contact Chamber (CCC) and sent into Alpha Lab for testing.
- Completed monthly Wastewater Report and sent to the State Water Resources Control Board
- Completed daily rounds and Lab.

## **Water Treatment Division**

### **Routine Tasks**

- Submitted monthly Water Treatment Report to State Water Resources Control Board
- Submitted monthly Conservation Report to State Water Boards
- Performed weekly checks and calibrations on all analyzers at 2G, BC, and AWS
- Performed monthly UV calibrations at 2G and BC.
- Took weekly Treatment Plant samples and sent them into Alpha Lab
- Monitored/sampled Distribution Tanks as needed.

# Maintenance Department

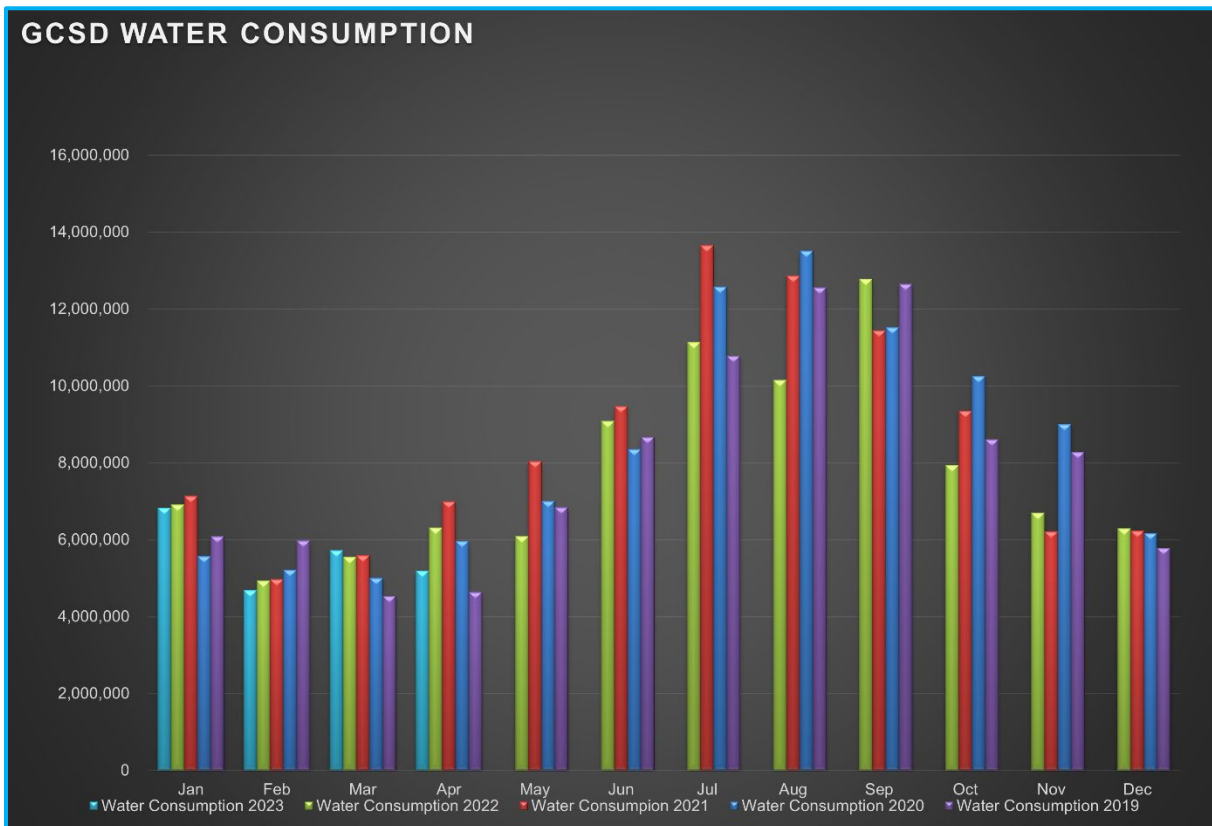
## Water Distribution System Division

Meter Related Services	Total
Check / Repair Meters	2
Water Meters Installed	0
Monthly Meter Restrictions	0
Meter Lock offs	12
Meter Changeouts	1
Tenant Final Reads	1
Re-Reads	38
Meter Turn-Offs	5
Meter Turn-Ons	8
Meter Tests	3
Winterize Meter	0
<b>Total Meter Related Issues</b>	<b>70</b>

Billed Consumption (Gallons)	2023	2022	2021
Residential	4,778,339	5,896,731	6,607,098
Commercial	412,448	414,939	367,224
<b>Total</b>	<b>5,190,778</b>	<b>6,311,670</b>	<b>6,974,322</b>

<b>Active Accounts</b>	3264
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## Charted Historical Monthly Water Consumption



**Maintenance and Repair Data**

Description	Total
Water Main Leaks / Repairs	0
Water Service Line Leaks / Repairs	1
Fire Hydrant Repairs / Replacements	0
Number of Hydrants Flushed	3
Number of Dead-Ends Flushed	13
Water Valves Exercised	3
GIS Points	0

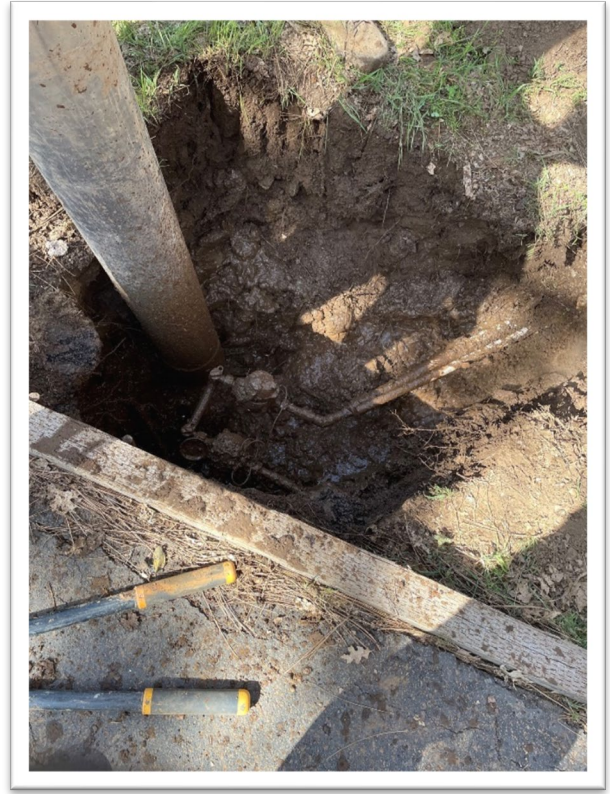
Description	Gallons
Flushing for Water Quality	19,800
Water Loss Due to Leaks / Breaks	0

After-Hours Calls (Hours)				
Water	Sewer	Park	Other	Total
12	7	3	0	21

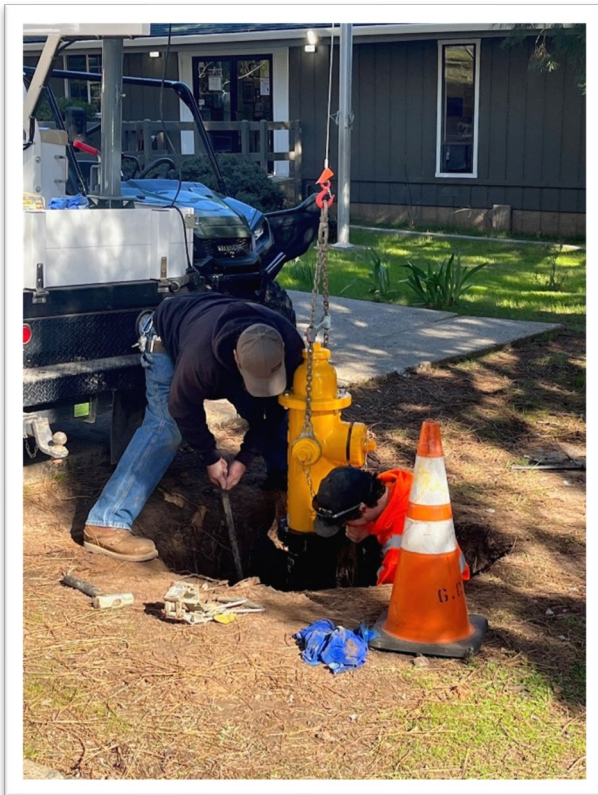
**Maintenance and Repair**

- **Routine Tasks**
  - Read all District Water Meters
  - Customer Service Calls (Low / High Pressures, No Water, Turn-Ons / Turn-Offs, Etc.)
  - Underground Service Alert (USA) Utility Marking Program
  - Weekly Pump Station Inspections at Tank 2, Tank 4, Tank 5 (Buildings, Tanks, Motors, Pumps, Drives, Communications, Generators, and Auxiliary Equipment)
  - Lock offs for non-payment.
  
- **Tanks and Pump Stations**
  
- **Distribution System**
  - Fire Hydrant Replacement at Admin building.
  - Water Distribution System Flushing, Unit 11 and Unit 12.
  - Water meter upgrade U1/L436

Water Meter Upgrade – Pine Mountain Drive



# Fire Hydrant Upgrade – Admin Building



## Wastewater Collection System Division

Description	Total
Manholes Inspected	171
GIS Points	0
Customer Complaint	0
Odor Complaints	0

Description	Total
Flushing/Jetting (Feet)	900
Video Inspection (Feet)	100

Description	Total
Sanitary Sewer Spills (SSO)	0
SSO Gallons Spilled	0

## Maintenance and Repair

- **Routine Tasks**
  - Weekly lift station site inspections (PMCS)
  - Added degreaser and odor control to lift stations.
- **Lift Stations**
  - Cleaned and Inspected: LS5, LS6, LS7, LS8
  - Manhole Inspections LS3, LS4, and LS5.
  - Lift Station 11 – Lube, Oil, and replace filters.
  - Lift Station 11 – Reconnect power connections, R&R battery charger and block heater after storm damage (tree) to electrical drop.
- **Collection System**
  - Flushed/Jetted gravity sewer line areas.
  - Groveland, Bass Pond, Twin Pines Easement Manhole inspections.

## Pictures

## Parks Division

### Maintenance and Repair

- **Mary Laveroni Community Park**
  - Landscape Maintenance
  - Snow plowing and shoveling.
  - Tree work
  - Daily trash and bathroom maintenance
- **Ballfield & Dog Park**

## General Maintenance Division

### Maintenance By Department

- **Operations Department**
  - 2G Water Treatment Plant
  - Big Creek Water Treatment Plant
  - AWS
  - STP
    - Water valve repair on reclaimed water main.
- **Maintenance Department**
  - Equipment
    - Monthly Inspect and run at operating temperatures...
      - Rain for Rent, Sullair, Vactron, Cement mixer, Light Tower, STP generator, Dunn Ct Generator, AWS Generator, Standby Generator, Highlands Generator.
  - Vehicles
    - 42128: Install toolboxes and rack. This is our new meter reading truck!
    - 30711: Lube, Oil, and change filters.
    - 70986: Diagnose and repair “electrical drain” issue.
    - 60523: Diagnose and repair “Boost Pressure” sensor
    - 70981: 90 Day Inspection
    - 82330: Repair water pump with MME Service Technician
  - Buildings & Yard
    - General yard cleanliness.
    - Vegetation management.



## Contracted Work

- Day Generator Service
  - Generator upgrades at LS1, LS2, LS7, LS8, LS9, LS13, Highlands PS, Big Creek TP, Second Garrote TP, and Admin. Continuing.

### Generator Upgrade – Admin Building



- Moyle Excavation
  - Sanitary Sewer Replacement CIP project continuing
  - Asphalt Patching – Various Locations
  - Hydrant replacements (Knockdowns) at Clifton Way and Mary Laveroni Park

## Workplace Safety and Training

- Routine Safety Meetings
  - Daily Tailgate Meetings
  - Weekly Safety Meetings
  - Weekly Security Checks
  - Weekly Vehicle Inspection
  
- Spill Emergency Response Plan (SERP) Training
  - Sam Rose Consulting in affiliation with DKF Solutions presented sanitary spill response training over 2 days. This included four hours of classroom and 2 hours of hands on and spill worksheet training. All C&D field staff, mechanics, Operations operators along with the Operations Manager and Asset manager were involved.