



**Information Provided By**

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**Operations and Maintenance Report  
 August 2022**

**Operations Department**

**Wastewater Treatment Division**

| Influent Totals |      |
|-----------------|------|
| Total           | 3.35 |
| High            | .19  |
| Low             | .09  |
| Average         | .11  |

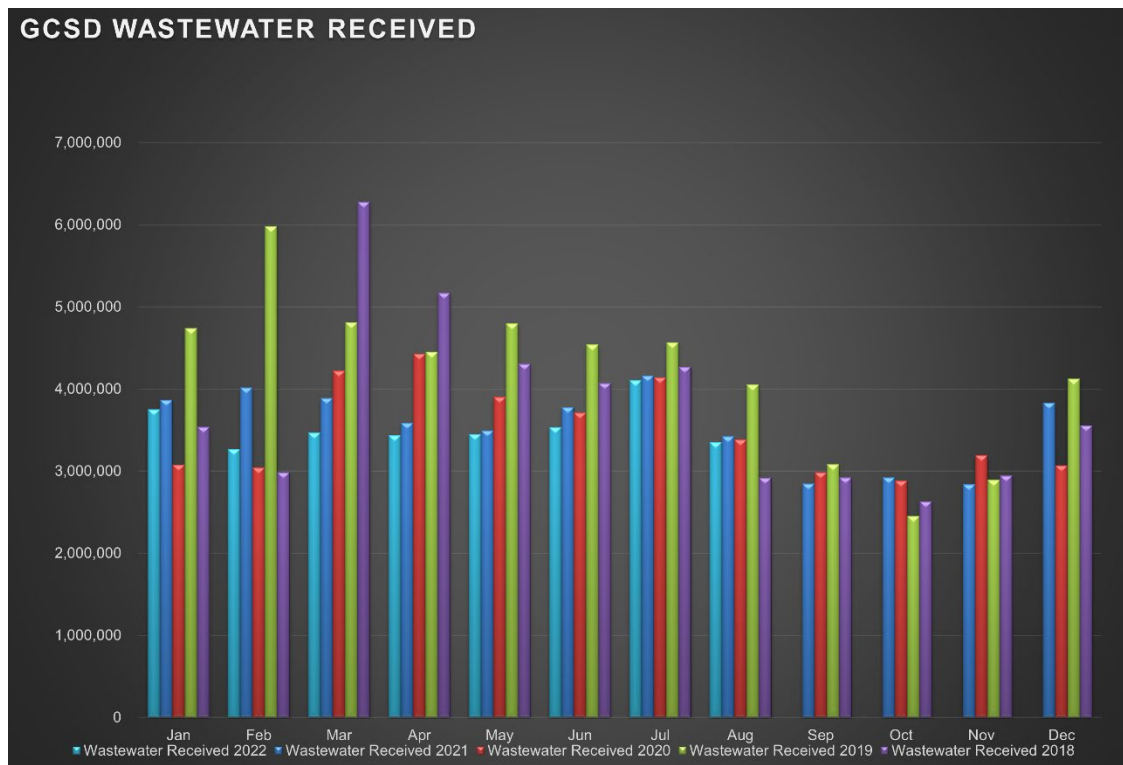
| Effluent Totals |      |
|-----------------|------|
| Total           | 3.33 |
| High            | 0.42 |
| Low             | 0.08 |
| Average         | 0.11 |

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

| Wasting Totals  |      |
|-----------------|------|
| Total Inches    | 216  |
| Total Pounds    | 3911 |
| Active Accounts | 1562 |

| STP Rainfall Totals by Year During Current Month (Inches) |           |           |           |           |           |
|---|-----------|-----------|-----------|-----------|-----------|
| Season  | 2022      | 2021      | 2020      | 2019      | 2018      |
| 0.12  | 0.12      | 0.00      | 0.01      | 0.00      | 0.00      |
| High  | High 0.12 | High 0.00 | High 0.01 | High 0.00 | High 0.00 |

**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 into Alpha Lab
- Monitored/sampled Distribution Tanks as needed

# Maintenance Department

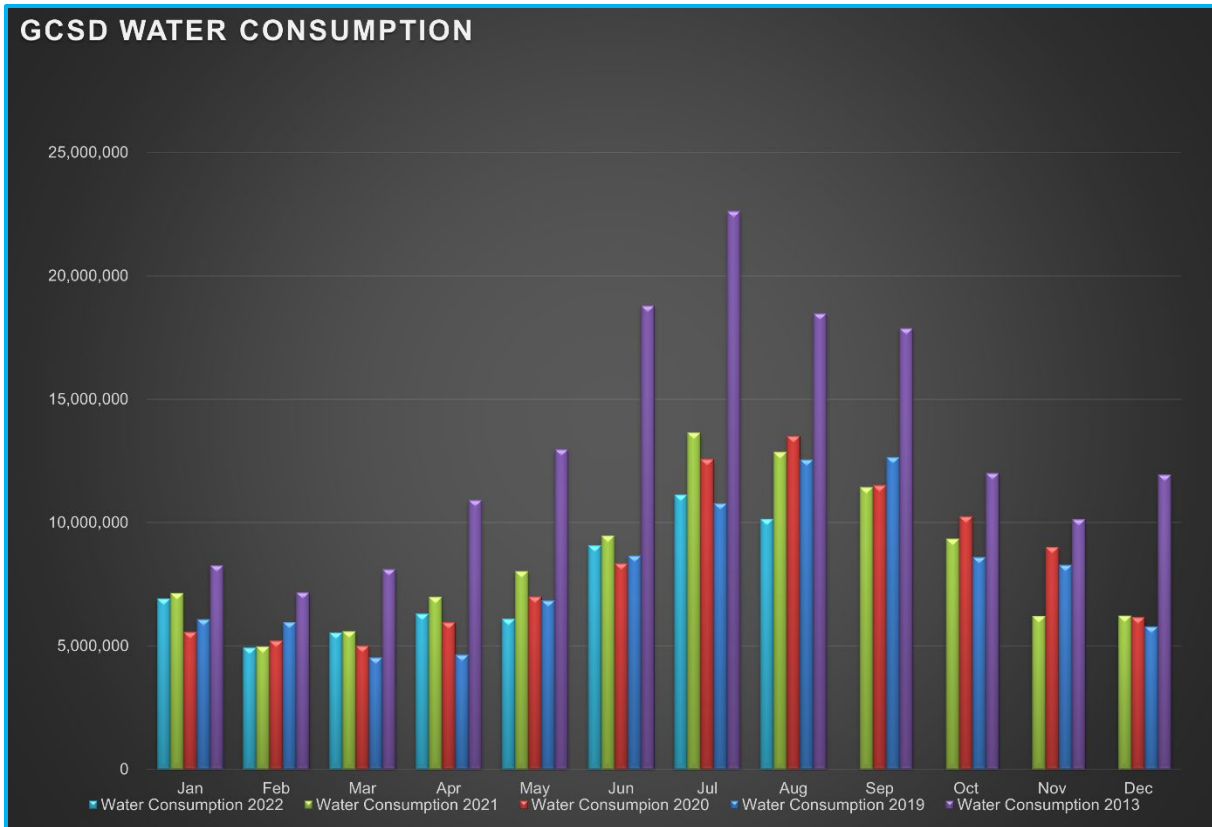
## Water Distribution System Division

| Meter Related Services            | Total     |
|-----------------------------------|-----------|
| Check / Repair Meters             | 3         |
| Water Meters Installed            | 2         |
| Monthly Meter Restrictions        | 0         |
| Meter Changeouts                  | 3         |
| Tenant Final Reads                | 5         |
| Re-Reads                          | 33        |
| Meter Turn-Offs                   | 1         |
| Meter Turn-Ons                    | 1         |
| Meter Tests                       | 0         |
| <b>Total Meter Related Issues</b> | <b>48</b> |

| Billed Consumption (Gallons) | 2022              | 2021              | 2020              |
|------------------------------|-------------------|-------------------|-------------------|
| Residential                  | 9,376,760         | 11,953,746        | 13,487,885        |
| Commercial                   | 770,167           | 950,196           | N/A               |
| <b>Total</b>                 | <b>10,146,927</b> | <b>12,903,942</b> | <b>13,487,885</b> |

|                        |      |
|------------------------|------|
| <b>Active Accounts</b> | 3259 |
|------------------------|------|

## Charted Historical Monthly Water Consumption



**Maintenance and Repair Data**

| Description                         | Total |
|-------------------------------------|-------|
| Water Main Leaks / Repairs          | 1     |
| Water Service Line Leaks / Repairs  | 2     |
| Fire Hydrant Repairs / Replacements | 0     |
| Number of Hydrants Flushed          | 16    |
| Number of Dead-Ends Flushed         | 1     |
| Water Valves Exercised              | 5     |
| GIS Points                          | 0     |

| Description                      | Gallons |
|----------------------------------|---------|
| Flushing for Water Quality       | 129,400 |
| Water Loss Due to Leaks / Breaks | 800     |

| After-Hours Calls (Hours) |       |      |       |       |
|---------------------------|-------|------|-------|-------|
| Water                     | Sewer | Park | Other | Total |
| 6                         | 0     | 1    | 3     | 10    |

**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)
- **Tanks and Pump Stations**
  - Inspect and exercise generator at Tank 2
  - Inspect and exercise generator at Tank 4
  - Inspect and exercise generator at Big Creek TP
  - Inspect and exercise generator at 2G TP
- **Distribution System**
  - Dead-End flushing for Units: 4, 5, and Ferretti Rd
  - Repaired water service line leak at 20284 Pine Mountain Dr
  - Repaired water service line leak at 20350 Pine Mountain Dr
  - Repaired water service line leak at 20828 McKinley Way
  - Install new 1" manifold and two 1" meters at U11/L55 and L56, Elderberry Ct
  - Repair water meter box lid and install bollard at 20810 Ferretti Rd
  - Assist Moyle Excavation (traffic control) with water main abandonment for Resiliency Center Project.



Pictures

Water break – 20350 Pine Mountain Dr





## Wastewater Collection System Division

| Description        | Total |
|--------------------|-------|
| Manholes Inspected | 36    |
| GIS Points         | 0     |
| Customer Complaint | 2     |
| Odor Complaints    | 1     |

| Description             | Total |
|-------------------------|-------|
| Flushing/Jetting (Feet) | 7190  |
| Video Inspection (Feet) | 8030  |

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

## Maintenance and Repair

- **Routine Tasks**
  - Weekly lift station site inspections
  - Added degreaser and odor control to lift stations
- **Lift Stations**
  - Cleaned: LS5, LS6, LS7, LS8, LS16
    - Relace pressure transducer at LS5
    - Inspect and repair check valve at LS10
    - Test pump cycles cleaned pressure transducer, and adjusted setpoints and at LS1.
    - Test pump cycles, rescaled pressure transducer and adjusted setpoints and at LS15.
- Repair broken PVC pipe in vault at LS4
  - Inspected Manholes: LS9, LS10
  - Flushed/Jetted gravity sewer line areas (See data above): CIP project scope
  - Sewer Lateral Repair 20018 Pine Mountain Dr

## Pictures

### Sewer Lateral Repair – 20018 Pine Mountain Dr



## Parks Division

### Maintenance and Repair

- **Mary Laveroni Community Park**
  - Landscape Maintenance
  - Movies in the Park 08/19
  - Groveland SummerFest 08/27
  
- **Ballfield & Dog Park**

## General Maintenance Division

### Maintenance By Department

- **Operations Department**
  - 2G Water Treatment Plant
    - Remove booster pump motor for rebuild.
    - Install new shroud on lime mixing room
  - Big Creek Water Treatment Plant
  - AWS
  - STP
    - Complete fabrication of E-basin aerators. Waiting for installation.
    - R&R Irrigation Pump
  
- **Maintenance Department**
  - Equipment
    - R&R motor and repair breaker for belt on headworks; repair belt lacing
    - Inspect and exercise generator at STP
    - Install and test parts washer for maintenance shop
  
  - Vehicles
    - 41820: R & R brakes front and rear
    - 50415: R&R hydro booster and power steering pump; repaired coolant leak
    - 42030: Service oil, transmission, filter; R&R left front CV shaft and cleaned area
    - 41719: Oil Change and tire rotation
    - 42128; Oil change, Inspected undercarriage and tire wear
    - 70981: Code 3 lights inoperable; Diagnosed and R&R master switch in panel
    - 79783: Severe air leak; diagnosed, R&R faulty air horn solenoid

- 60523: 90 Day Inspection
  - 60524: 90 Day Inspection; Repair air brake valve plumbing
  - 20760: Inspect and run at operating temperatures
  - 21930: Inspect and run at operating temperatures
  - 20340: Inspect and run at operating temperatures
  - 20350: Inspect and run at operating temperatures
  - 20420: Inspect and run at operating temperatures
- 
- Buildings & Yard
    - General yard cleanliness.
    - CCTV install on buildings in yard

### **Contracted Work**

- Moyle Excavation
  - Sanitary Sewer Replacement CIP project continuing
  - Water main abandonment on Ferretti Rd (Resiliency Center project)
- Presidio Systems Inc
  - Sanitary sewer mainline flushing/CCTV for CIP project.

### **Workplace Safety and Training**

- Routine Safety Meetings
  - 1) Daily Tailgate Meetings
  - 2) Weekly Safety Meetings
  - 3) Weekly Security Checks
  - 4) Weekly Vehicle Inspection