



# SQUAW VALLEY PUBLIC SERVICE DISTRICT



## WATER & SEWER OPERATIONS REPORT

**DATE:** May 26, 2020  
**TO:** District Board Members  
**FROM:** Brandon Burks, Operations Superintendent  
**SUBJECT:** Operations & Maintenance Report for April 2020 – Information Only

**BACKGROUND:** The following is a discussion of the District's operations from the month noted above. It also includes the maintenance activities performed by the Operations Department that are not the subject of a separate report. This report is formatted to provide new information and recent progress only.

**DISCUSSION:** Flow Report – April 2020

Water Production:	5.15 MG
Comparison:	2.85 MG less than 2019
Sewer Collection:	5.90 MG
Comparison:	6.00 MG less than 2019
Aquifer Level:	April 30, 2020: 6,190.3'
	April 30, 2019: 6,190.3'
	Highest Recorded: 6,192.0'
	Lowest Recorded: 6,174.0'
Creek Bed Elevation, Well 2:	6,186.9'
Precipitation:	April 2020: 2.95"***
	Season to date total: 27.75"***
	Season to date average: 48.25"
	% to year to date average: 57.51%

**Flow Report Notes:**

- The *Highest Recorded Aquifer Level* represents a rough average of the highest levels measured in the aquifer during spring melt period.
- The *Lowest Recorded Aquifer Level* is the lowest level recorded in the aquifer at 6,174.0 feet above mean sea level on October 5, 2001. This level is not necessarily indicative of the total capacity of the aquifer.

- The *Creek Bed Elevation* (per Kenneth Loy, West Yost Associates) near Well 2 is 6,186.9 feet.
- *Precipitation Season Total* is calculated from October 2019 through September 2020.
- The true *Season to date Average* could be higher or lower than the reported value due to the uncertainty of the Old Fire Station precipitation measurement during the period 1994 to 2004.
- In October 2011 the data acquisition point for the aquifer was changed from Well 2 to Well 2R.
- \*\*Rain data for March and April 2020 was estimated using available data.

### Leaks and Repairs

#### Water

- The District issued 5 leak/high usage notifications.
- Responded to zero after-hours customer service calls.

#### Sewer

- Responded to zero after-hours customer service calls.
- Category 3 SSO at 1364 Lanny Lane. Spill was caused by debris in sewer line.

### Vehicles and Equipment

#### Vehicles

- Annual Maintenance.
- Cleaned vehicles and checked inventory.

#### Equipment

- Annual Maintenance.

### Operations and Maintenance Projects

#### 1810 Squaw Valley Road (Old Fire Station)

- Inspected and tested the generator.
- General housekeeping.
- Set up for staffing for an operations crew.

#### 305 Squaw Valley Road (Administration and Fire Station Building)

- Inspected and tested the generator.

#### Water System Maintenance

- Two bacteriological tests were taken: one at 1810 Squaw Valley Road and one at Resort at Squaw Creek; both samples were reported absent.
- Leak detection services performed: zero.
- Customer service turn water service on: zero.
- Customer service turn water service off: zero.
- Responded to zero customer service calls with no water.

- Hydrant flushing and valve turning.

#### Operation and Maintenance Squaw Valley Mutual Water Company

- Basic services.

#### Sewer System Maintenance

- Check for I and I issues.
- Sewer cleaning.
- Sewer Flushing related to low flows and potential for wipes being flushed.

#### Telemetry

- The rainfall measurements for the month of April were as follows:  
Nova Lynx N/A, Squaw Valley Snotel: 3.7”.
- Nova Lynx failed in March. Repaired and calibrated in May.

#### Administration

- Monthly California State Water Boards report.
- Adjusted staffing due to COVID-19.

#### Services Rendered

- Underground Service Alerts (5)
- Plan Review (9)
- Pre-remodel inspections (0)
- Final inspections (2)
- Fixture count inspections (0)
- Water service line inspections (2)
- Sewer service line pressure test (1)
- Sewer service line inspections (0)
- Sewer main line inspections (0)
- Water quality complaint investigations (0)
- Water Backflow Inspections (0)
- FOG inspections (0)
- Toilet Rebate inspections (0)
- Second Unit inspection (0)

#### Other Items of Interest

- Training – SDRMA Online class, SDRMA Safety Booklet.

**ATTACHMENTS:** Monthly Water Audit Report

**DATE PREPARED:** May 8, 2020

## Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: April  
Year: 2020

Report Date: May 26, 2020

Performed By: Brandon Burks

Meter Reader: Jason Mcgathney

Reading begin Date & Time: 4/30/20 8:30 AM

Reading end Date & Time: 4/30/20 12:00 PM

Total lag time: 3.5 hours

Begin Audit Period: 3/31/20 12:00 AM

End Audit Period: 4/30/20 12:00 AM

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Total Metered Consumption for audit period specified (including hydrant meters): 2,891,709

Additional Consumption - Unmetered

Fire Department Use: 10,000

Hydrant Flushing: 693,532

Blow-Off Flushing: 50,000

Sewer Cleaning: 75,000

Street Cleaning:                     

Well Flushing:                     

Tank Overflows:                     

Unread Meter Estimated Reads:                     

Other:                     

Total Unmetered Consumption (for audit period specified): 828,532

Estimated Unknown Loss - Unmetered

Known Theft:                     

Known Illegal Connections:                     

Total Estimated leaks that have been repaired: 104,000

Total Estimated Unmetered (for audit period specified): 104,000

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Total Production for audit period specified: 5,279,534

Total Metered/Unmetered Consumption for audit period specified: 3,824,232

**Total Water Loss (Production - Consumption): 1,455,302**

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**Comments:** The production totals are different than the monthly report due to a different time frame being used. The District continues to search for leaks. Hydrant flushing and valve turning has started. There is an ongoing leak on the fire line at Squaw Valley Academy of unmetered water they are working to repair.

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\* Note - All Production & Consumption Totals In U.S. Gallons \*