



SQUAW VALLEY PUBLIC SERVICE DISTRICT



WATER & SEWER OPERATIONS REPORT

DATE: August 27, 2019
TO: District Board Members
FROM: Brandon Burks, Operations Superintendent
SUBJECT: Operations & Maintenance Report for July 2019 – 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 – July 2019

Water Production:	16.48 MG
Comparison:	0.66 MG more than 2018
Sewer Collection:	7.14 MG
Comparison:	0.29 MG more than 2018
Aquifer Level: July 31, 2019:	6,187.1'
July 31, 2018:	6,185.8'
Highest Recorded:	6,192.0'
Lowest Recorded:	6,174.0'
Creek Bed Elevation, Well 2:	6,186.9'
Precipitation: July 2019:	0.00"
Season to date total:	69.44"
Season to date average:	51.97"
% to year to date average:	133.63%

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 2018 through September 2019.
- 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.

Leaks and Repairs

Water

- The District issued 14 leak/high usage notifications.
- Responded to zero after-hours customer service calls.

Sewer

- Responded to zero after-hours customer service calls.

Vehicles and Equipment

Vehicles

- Cleaned vehicles and checked inventory.

Equipment

- None.

Operations and Maintenance Projects

1810 Squaw Valley Road (Old Fire Station)

- Inspected and tested the generator.
- General housekeeping.

305 Squaw Valley Road (Administration and Fire Station Building)

- Inspected and tested the generator.

Water System Maintenance

- Two bacteriological tests were taken: one at 410 Forest Glen Road and one at Zone 3 Booster Station; both samples were reported absent.
- Leak detection services performed: two.
- Customer service turn water service on: zero.
- Customer service turn water service off: zero.
- Responded to zero customer service calls with no water.

Operation and Maintenance Squaw Valley Mutual Water Company

- Basic services.

Sewer System Maintenance

- Check for I and I issues.
- Sewer cleaning.

Telemetry

- The rainfall measurements for the month of July were as follows:
Nova Lynx 0.00", Squaw Valley Snotel: 0.00".

Administration

- Monthly California State Water Boards report.
- Backflow program nearing completion for 2019.
- Prepared for State Division of Drinking Water inspection.

Services Rendered

- | | |
|--|------|
| • Underground Service Alerts | (19) |
| • Plan Review | (3) |
| • Pre-remodel inspections | (0) |
| • Final inspections | (1) |
| • Fixture count inspections | (0) |
| • Water service line inspections | (1) |
| • Sewer service line inspections | (0) |
| • Sewer main line inspections | (0) |
| • Water quality complaint investigations | (0) |
| • Water Backflow Inspections | (4) |
| • FOG inspections | (0) |
| • Toilet Rebate inspections | (0) |
| • Second Unit inspection | (2) |

Other Items of Interest

- Training – SDRMA Online class, SDRMA Safety Booklet.

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: August 19, 2019

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: July
Year: 2019

Report Date: August 15, 2019

Performed By: Brandon Burks

Meter Reader: Jason Mcgathey

Reading begin Date & Time: 7/31/19 8:30 AM

Reading end Date & Time: 7/31/19 11:30 AM

Total lag time: 3:00:00

Begin Audit Period: 7/1/19 12:00 AM

End Audit Period: 7/31/19 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 14,097,229

Additional Consumption - Unmetered

Fire Department Use: 75,000

Hydrant Flushing: 10,000

Blow-Off Flushing:

Sewer Cleaning: 5,000

Street Cleaning:

Well Flushing:

Tank Overflows:

Unread Meter Estimated Reads:

Other:

Total Unmetered Consumption (for audit period specified): 90,000

Estimated Unknown Loss - Unmetered

Known Theft:

Known Illegal Connections:

Total Estimated leaks that have been repaired:

Total Estimated Unmetered (for audit period specified):

Total Production for audit period specified: 15,871,988

Total Metered/Unmetered Consumption for audit period specified: 14,187,229

Total Water Loss (Production - Consumption): 1,684,759

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. Two leaks are currently being repaired.

* Instructions - Only fill in the blue cells *

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

*** Note - Total Water Loss Percentage including theft, Illegal Connections or Leaks that have been repaired