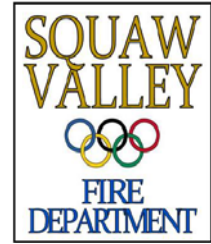




SQUAW VALLEY PUBLIC SERVICE DISTRICT



DATE: December 18, 2018

TO: District Board Members

FROM: Brandon Burks, Operations Superintendent

SUBJECT: Operations & Maintenance Report for November 2018 – Information Only

BACKGROUND: The discussion section below provides information on 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:

1. Flow Report – November 2018

a. Water Production:	5.35	MG	
Comparison:	0.37	MG more than 2017	
b. Sewer Collection:	4.18	MG	
Comparison:	2.54	MG less than 2017	
c. Aquifer Level:	November 30, 2018	= 6,186.3'	
	November 30, 2017	= 6,188.9'	
	Highest Recorded	= 6,192.0'	
	Lowest Recorded	= 6,174.0'	
d. Creek Bed Elevation:	Well 2	= 6,186.9'	
e. Precipitation:	November 2018	= 7.29"	
	Season to date total	= 8.34"	
	55 year season-to-date average, Old Fire Station	= 9.96"	
	Season total to date of 55 year-to-date average	= 83.76%	

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 Total of 55 Year 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.

2. Leaks and Repairs

a. Water

1. The District issued 7 leak/high usage notifications.
2. Responded to zero after-hours customer service calls.

b. Sewer

1. Responded to zero after-hours customer service calls.

3. Vehicles and Equipment

a. Vehicles

1. Cleaned vehicles and checked inventory.

b. Equipment

1. Prepped for annual maintenance.

4. Operations and Maintenance Projects

a. 1810 Squaw Valley Road (Old Fire Station)

1. Inspected and tested the generator.
2. General housekeeping.

b. 305 Squaw Valley Road (Administration and Fire Station Building)

1. Inspected and tested the generator.

c. Water System Maintenance

1. Twelve bacteriological tests were taken: including one at 410 Forest Glen Road and one at the Zone 3 Booster station; the sample at 410 Forest Glen Road was positive for Coliform and negative for E. coli and the sample at the Zone 3 Booster station was absent. Repeat samples were immediately taken at 410 Forest Glen Road and the houses upstream and downstream of the positive result. 410 Forest Glen and the house upstream came back absent. The house downstream came back positive for coliform and absent for E. coli. At the same time, tests were taken on the supply side; all the vertical wells tests came back absent. Repeat samples were taken again at 410 Forest Glen Road and the houses upstream and downstream. All samples came back absent.
2. Five bacteriological tests were taken in December 2018: All were absent.
3. Leak detection services performed: one.

- 4. Customer service turn water service on: zero.
 - 5. Customer service turn water service off: zero.
 - 6. Responded to zero customer service calls with no water.
- d. Operation and Maintenance Squaw Valley Mutual Water Company
 - 1. Basic services.
 - e. Sewer System Maintenance
 - 1. Check for I and I issues.
 - f. Telemetry
 - 1. The rainfall measurements for the month of November were as follows: Nova Lynx 7.50", Squaw Valley Snotel: 7.29".
 - g. Administration
 - 1. Monthly California State Water Boards report.
5. Services Rendered
- a. Underground Service Alerts (6)
 - b. Pre-remodel inspections (0)
 - c. Final inspections (3)
 - d. Fixture count inspections (0)
 - e. Water service line inspections (0)
 - f. Sewer service line inspections (0)
 - g. Sewer main line inspections (0)
 - h. Water quality complaint investigations (0)
 - i. Water Backflow Inspections (0)
 - j. FOG inspections (0)
 - k. Toilet Rebate Inspections (0)

Other Items of Interest

- l. Training – SDRMA Online class, SDRMA Safety Booklet.

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: December 13, 2018

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: November Report Date: December 5, 2018 Performed By: Brandon Burks
Year: 2018
Meter Reader: Jason McGathey Reading begin Date & Time: 11/30/18 8:30 AM
Reading end Date & Time: 11/30/18 12:00 PM
Total lag time: 3:30:00
Begin Audit Period: 10/31/18 12:00 AM
End Audit Period: 11/30/18 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 4,501,872

Additional Consumption - Unmetered

Fire Department Use: 5,000
Hydrant Flushing: 20,000
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): 30,000

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: 5,530,056

Total Metered/Unmetered Consumption for audit period specified: 4,531,872

Total Water Loss (Production - Consumption): 998,184

Comments: The production totals are different than the monthly report due to a different time frame being used. The District continues to look for leaks.

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