



SQUAW VALLEY

PUBLIC SERVICE DISTRICT



DATE: January 30, 2018

TO: District Board Members

FROM: Brandon Burks, Operations Superintendent

SUBJECT: Operations & Maintenance Report for December 2017 – 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 –December 2017

| | | |
|-------------------------|--|-------------------|
| a. Water Production: | 7.33 | MG |
| Comparison: | 0.02 | MG more than 2016 |
| b. Sewer Collection: | 7.50 | MG |
| Comparison: | 2.96 | MG less than 2016 |
| c. Aquifer Level: | December 31, 2017 | = 6,188.0' |
| | December 31, 2016 | = 6,188.0' |
| | Highest Recorded | = 6,192.0' |
| | Lowest Recorded | = 6,174.0' |
| d. Creek Bed Elevation: | Well 2 | = 6,186.9' |
| e. Precipitation: | December 2017 | = 0.98" |
| | Season to date total | = 17.70" |
| | 54 year season-to-date average, Old Fire Station | = 19.71" |
| | Season total to date of 54 year-to-date average | = 89.79% |

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 2017 through September 2018.
- The true *Season Total of 54 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 eleven 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. None.

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. Two bacteriological tests taken: one at 410 Forest Glen Road and one at Resort at Squaw Creek; both samples were reported absent.
 - 2. Leak detection services performed: two.
 - 3. Customer service turn water service on: one.
 - 4. Customer service turn water service off: zero.
 - 5. 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 December were as follows: Nova Lynx 0.98", Squaw Valley Snotel: 1.00".
- g. Administration
 - 1. Monthly California State Water Boards report.

5. Services Rendered

- a. Underground Service Alerts (0)
- b. Pre-remodel inspections (0)
- c. Final inspections (0)
- d. Fixture count inspections (0)
- e. Water service line inspections (1)
- f. Sewer service line inspections (1)
- g. Sewer main line inspections (2)
- h. Water quality complaint investigations (0)
- i. Water Backflow Inspections (0)
- j. FOG inspections (1)
- k. Toilet Rebate Inspections (0)
- l. Plan Checks (0)

Other Items of Interest

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

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: January 23, 2018

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: December
Year: 2017

Report Date: January 8, 2018

Performed By: Brandon Burks

Meter Reader: Schel Roland

Reading begin Date & Time: 12/27/17 8:30 AM

Reading end Date & Time: 12/27/17 11:30 AM

Total lag time: 3:00:00

Begin Audit Period: 11/30/17 12:00 AM

End Audit Period: 12/27/17 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 4,951,464

Additional Consumption - Unmetered

Fire Department Use: 10,000

Hydrant Flushing: 35,000

Blow-Off Flushing:

Sewer Cleaning: 2,000

Street Cleaning:

Well Flushing:

Tank Overflows:

Unread Meter Estimated Reads:

Other:

Total Unmetered Consumption (for audit period specified): 47,000

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: 5,695,955

Total Metered/Unmetered Consumption for audit period specified: 4,998,464

Total Water Loss (Production - Consumption): 697,491

Comments: The production totals are different than the monthly report due to a different time frame being used. The District continues to search for possible leaks. The leak amount has come down 300,000 gallons over the last month.

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