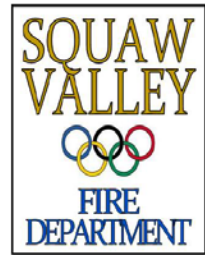




# SQUAW VALLEY PUBLIC SERVICE DISTRICT



## CAPITAL PROJECTS REPORT

**DATE:** August 30, 2016  
**TO:** District Board Members  
**FROM:** Brandon Burks, Operations Superintendent  
**SUBJECT:** Capital Projects Report – Information Only

### BACKGROUND:

The following list provides a limited status report regarding Capital Projects for the Utility and Administration Departments. Provided are budget figures, along with commitments for pending projects and actual expenditures for completed projects.

### DISCUSSION:

1. The Water System Operations Plan is complete pending two SOP's.
2. The Water System Inspections and Repairs Project is in the final phase with upgrade of the chemical feed system at Well 2R. The project entails replacing the chemical feed manifold with a new high pressure manifold that should reduce failures and repairs.
3. Staff is completing scaled down landscape improvements to enhance the overall aesthetic of District properties. Staff is planning installation of a fence between the front and rear yards at 1810 Squaw Valley Road. The school is in the process of moving out and cleaning up the 1810 administration office building.
4. Work is progressing on the Indian Trail 2" Water Line Replacement Project, with Andregg hired to do surveys on both Indian Trail and for another 2" water line replacement on Victor Place.
5. Staff prepared a memorandum with the project description and outlining steps required for the Granite Chief Subdivision A-Line Replacement Project development agreement. The HOA and District are attempting to secure project support and easements from several homeowners.

6. Television work is complete on the final phase of the Sewer Television Inspection Project; final reports will be integrated into VueWorks.
7. The grant for the IRWM Regional Toilet Rebate Program was approved; the District has received \$21,400 funding the replacement of up to 214 toilets. Staff inserted an article in the summer newsletter and sent a notification letter to the older multi-family units notifying them directly about the program. Grant matching funds will come mostly from operating, in the form of staff labor.
8. The Easement Abatement Project is being finalized, with inspections of the all of the final 12 properties completed; there are 4 properties pending compliance and an additional 5 properties that were previously cleared that have been notified of new encroachments. Additionally there are 2 easements to be cleared during pipeline replacement projects. 18 letters have been issued to homeowners with easements and 4 easements have been cleared by District crews.

**ATTACHMENTS:**

2015-2016 Capital Budget Project Status Worksheet

**DATE PREPARED:**

August 20, 2016

**2015-2016 BUDGET CAPITAL PROJECTS STATUS**  
**UTILITY DEPARTMENT**  
**July 2016**

**PROJECT NAME      BUDGETED      COMMITTED      STATUS**

1	Water Master Plan Update	\$ 85,000	\$ 12,376	See Engineering Report
2	Groundwater Management Plan	\$ 35,000	\$	5 Year Report Pending
3	Intersection Manhole A29	\$ 10,000	\$	On Hold
4	Sewer Master Plan Update	\$ 75,000	\$ 12,295	See Engineering Report
5	Capital Replacement Rate Analysis	\$ 50,000	\$ 50,000	HDR in Work
6	Easement Abatement	\$ 10,000	\$	In Work- Inspections completed
7	VueWorks (Water & Sewer)	\$ 30,000	\$ 18,055	On Hold
8	2" Water Main Indian Trail	\$ 50,000	\$ 7,860	Survey's Ordered
9	SCADA Upgrade (Water & Sewer)	\$ 68,650	\$ 66,650	Complete-see Engineers Report
10	Water System Inspection/ Repairs	\$ 40,000	\$ 26,918	Ordering Parts for Well 2R
11	Ford Explorer (Replace 1997)	\$ 30,000	\$ 30,000	Vehicle Received- Build in Progress
12	Phone System Repairs	\$ 10,000	\$	On Hold
13	HVAC System Repairs	\$ 20,000	\$ 9,400	New system installed
14	2016 Landscape and Facilities Maintenance	\$ 25,000	\$ 1,719	Small scale improvement in work
	<b>TOTAL CAPITAL</b>	<b>\$ 548,650</b>	<b>\$ 235,273</b>	
	<b>Grant Funded Projects</b>			
1	Redundant Water Supply	\$ 160,000	\$	Grant Matching Funds CEQA
2	Mutual Intertie	\$ 20,000	\$	Grant Match Funds
3	Aquifer Monitoring Program	\$ 12,760	\$	Grant Match Funds
4	IRWM Toilet Rebate Program	\$ 21,400	\$ 21,400	Grant Approved
5	Water Management Action Plan	\$	\$ 8,281	PCWA Grant Received
	<b>POTENTIAL GRANT TOTAL</b>	<b>\$ 214,160</b>	<b>\$ 37,541</b>	

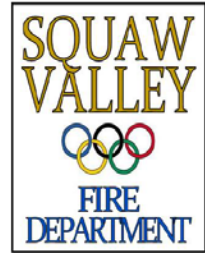
**2015-2016 COMPLETED PROJECTS**  
**UTILITY DEPARTMENT**

**PROJECT NAME      BUDGETED      EXPENDED      STATUS**

1	Painting Stucco Repairs 1810	\$ 10,000	\$ 10,514	Painting complete
2	Well 5R Emergency Repairs	\$	\$ 16,795	Complete
3	Redundant Water Supply	\$ 175,000	\$ 175,000	Complete
4	Roof Repair 1810	\$ 40,000	\$ 2,622	Repairs Complete
5	TV Inspection 25% & Laterals	\$ 55,000	\$ 18,483	Work Complete
6	Medium/ Large Field Equipment	\$ 10,000	\$ 7,787	Complete
7	Water Operations Plan	\$	\$	Complete Pending 2 SOP's
	<b>TOTALS</b>	<b>\$ 290,000</b>	<b>\$ 231,201</b>	



# SQUAW VALLEY PUBLIC SERVICE DISTRICT



## OPERATIONS & MAINTENANCE REPORT

**DATE:** August 30, 2016  
**TO:** District Board Members  
**FROM:** Brandon Burks, Operations Superintendent  
**SUBJECT:** Operations & Maintenance Report for July 2016 – 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 –July 2016

a. Water Production:	15.49	MG	
Comparison:	2.89	MG more than 2015	
b. Sewer Collection:	6.71	MG	
Comparison:	0.14	MG less than 2015	
c. Aquifer Level:	July 31, 2016		= 6,186.5'
	July 31, 2015		= 6,185.6'
	Highest Recorded		= 6,192.0'
	Lowest Recorded		= 6,174.0'
d. Creek Bed Elevation:	Well 2		= 6,186.9'
e. Precipitation:	July 2016		= 0.00"
	Season to date total		= 63.11"
	52 Yr. Season to date Avg., Old Fire Station		= 50.16"
	Season Total to date of 52 Year to date average		= 125.83%

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 2015 through September 2016.
- The true *Season Total of 52 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 twenty five leak/high usage notifications.
2. Responded to one after-hours customer service call.

### 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 1810 Squaw Valley Road and one at Zone Three Booster Station; both samples were reported absent.
2. Leak detection services performed: three
3. Customer service turn water service on: one
4. Customer service turn water service off: one
5. Responded to one customer service call with no water.
6. Completed leak detection of all meters.

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

1. Work through communication issues with XIO system.

- e. Sewer System Maintenance
  - 1. Check for I and I issues.
- f. Telemetry
  - 1. The rainfall measurements for the month of July were as follows: Nova Lynx 0.00", Carl Gustafson: 0.00", Squaw Valley Snotel: 0.10".
  - 2. Assist on SCADA upgrade.
  - 3. Troubleshoot SCADA issues.
- g. Administration
  - 1. Monthly California State Water Boards report.
  - 2. Worked on implementation of VUE Works.

5. Services Rendered

- a. Underground Service Alerts (8)
- b. Pre-remodel inspections (2)
- c. Final inspections (1)
- 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 (3)
- j. FOG inspections (1)
- k. Toilet Rebate Inspections (0)
- l. Plan Checks (3)

Other Items of Interest

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

6. Drought Preparedness

Squaw Valley received 0.00 inches of precipitation for the month of July. The aquifer level was 6,186.5 feet ASL on July 30, 2016. The aquifer is 0.9 feet higher than last year at this time.

**ATTACHMENTS:** Monthly Water Audit Report

**DATE PREPARED:** August 22, 2016

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

Audit Month: July Report Date: August 15, 2016 Performed By: Brandon Burks  
 Year: 2016

Meter Reader: Schel Roland Reading begin Date & Time: 8/1/16 8:30 AM  
 Reading end Date & Time: 8/1/16 11:30 AM  
 Total lag time: 3:00:00

Begin Audit Period: 6/30/16 12:00 AM  
 End Audit Period: 8/1/16 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 12,978,144

Additional Consumption - Unmetered

Fire Department Use: 5,000  
 Hydrant Flushing: \_\_\_\_\_  
 Blow-Off Flushing: \_\_\_\_\_  
 Sewer Cleaning: 2,500  
 Street Cleaning: \_\_\_\_\_  
 Well Flushing: \_\_\_\_\_  
 Tank Overflows: \_\_\_\_\_  
 Unread Meter Estimated Reads: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Total Unmetered Consumption (for audit period specified): 7,500

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: 15,492,950

Total Metered/Unmetered Consumption for audit period specified: 12,985,644

**Total Water Loss (Production - Consumption): 2,507,306**

**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. The District repaired two leaking meters during the past month. Staff is currently conducting a system wide meter leak detection survey.

\* 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