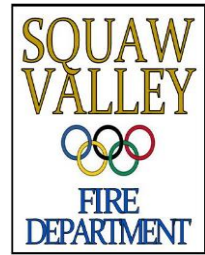




# SQUAW VALLEY PUBLIC SERVICE DISTRICT



## CAPITAL PROJECTS REPORT

**DATE:** March 24, 2014  
**TO:** District Board Members  
**FROM:** Jesse McGraw, Operations Manager  
**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. Staff completed seven of the first eight chapters of the Water Operations Plan; work on *Chapter 6* is progressing; maintenance personnel are working on Standard Operating Procedures (SOPs) for specific maintenance functions such as meter reading procedures. The SOP for system flushing completed last fall must be revised due to new regulations from DWR regarding limited threat discharges, General Order No. CAG140001 was adopted in November 2014 to cover maintenance operations required of purveyors such as hydrant and meter testing. The new regulation requires water purveyors in California obtain a discharge permit by September 1, 2015. *Chapter 8 Emergency Response Plan* is complete and is being circulated for review.
2. Implementation of the SCADA Master Plan is moving forward with a signed contract and notice to proceed for Phase I of the project which will replace the main terminal and operating software.
3. Aspen Developers Corp. completed improvements on the Aspens Sewer Realignment project. A Notice of Completion was filed with the Placer County Recorder's Office. Staff received a notice of potential claim from the Homeowners Association for a severed electrical conduit and therefore continues to withhold retainage. Manhole E-30 was not installed and is being re-designed. The Utilities crew will install the manhole this spring saving on cost while providing training.

4. Work on the Redundant Water Supply project is progressing with Farr West Engineering authorized to begin the Phase III work.
5. The sewer line along the creek in the Granite Chief subdivision failed at the Burkett residence; a section of approximately 15 feet in length was replaced eliminating a sag in the line, a section of the old line was tested and failed. Staff held a meeting with the HOA that resulted in the survey work moving forward with Auerbach Engineering. Auerbach will assess pipeline alignment options and prepare an alternatives analysis.
6. Work began on the Indian Trail 2" Water Line Replacement project with a construction easement request sent to affected homeowners.
7. The 22-year old confined space entry gear is being replaced.
8. There was a broken pipe in the Squaw Valley Prep School facility at 1810 Squaw Valley Road. The water flowed downstairs into the Squaw Valley Institute space for an unknown period of time during the December holiday period. There was considerable water damage to the walls, flooring, and personal property. Staff is coordinating with all concerned and their respective insurance carriers. The remediation work was completed on February 10<sup>th</sup> allowing re-construction to begin.
10. A work plan and schedule is being developed to revise the Village Water Supply Assessment (WSA). Staff is working to update data repositories and forwarded data to the consultants.
11. Staff received a submittal from Placer County for the PlumpJack project with preliminary site plans. Staff will be working to coordinate utility relocations between the PlumpJack Project and the proposed *Village at Squaw* project.
12. A contract for Phase 3 of the Sewer Television Inspection project is on the March agenda.
13. The SSMP Audit/ Update was completed, a report is included in the March meeting packet. Certification that the update was completed is pending with the States CQWIS website.

**ATTACHMENTS:**

2014-2015 Capital Budget Project Status Worksheet

**DATE PREPARED:**

March 12, 2015

**2014-2015 BUDGET CAPITAL PROJECTS STATUS  
UTILITY DEPARTMENT  
March 2015**

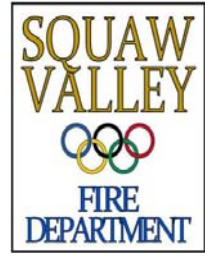
	<b><u>PROJECT NAME</u></b>	<b><u>BUDGETED</u></b>	<b><u>COMMITTED</u></b>	<b><u>STATUS</u></b>
1	Water Operations Plan	\$ 25,000	\$	Chapter 6, SOP's in Work Chapter 8 Emergency Plan Complete
2	Water Master Plan	\$ 25,000	\$	Planned Scope of Work Meeting PCWA Grant Application
3	15" to 21" Olympic Estates	\$ 138,000	\$	Project Suspended
4	Intersection Manhole A29	\$ 10,000	\$	On Hold
5	VueWorks (Water & Sewer)	\$ 30,000	\$ 5,000	TVI Input Complete
6	2" Water Main Indian Trail	\$ 50,000	\$	Owners Notified Requesting Easement
7	SCADA Upgrade (Water & Sewer)	\$ 50,000	\$ 50,000	In Work
8	Easement Abatement	\$ 25,000	\$	On Hold
9	Design Creek View/Sierra Crest	\$ 26,000	\$	On Hold
10	Aspens Sewer Realignment	\$ 133,550	\$ 110,000	Manhole Install Spring 2015
11	Sewer Bypass Crossing Hwy 89	\$ 25,000	\$	On Hold
12	Sewer Master Plan	\$ 50,000	\$	On Hold
13	SSMP Audit/ Update	\$ 7,500	\$	Report in Board Package
14	In House Smoke Test I&I	\$ 46,239	\$	On Hold
15	TV Inspection 25% & Laterals	\$ 55,000	\$ 2,935	Contract in Board Package
16	1810 Parking Lot Sealing	\$ 8,000	\$	Schedule for Spring 2015
17	1810 Painting	\$ 8,000	\$	Schedule for Spring 2015
18	1810 Carpet in Meeting Room	\$ 6,500	\$	On Hold
20	Confined Space/ Fall Protection	\$ 6,500	\$ 5,000	Equipment Purchased
21	Computer Master Plan Barracuda Back Up	\$ 5,000	\$ 2,370	On Hold
22	IT Master Plan/ Web Development	\$ 15,000	\$ 7,306	On Hold
	<b>Grant Funded Projects</b>			
23	Redundant Water Supply	\$ 175,000	\$ 175,000	Phase II Work in Progress
24	Bike Trail Snow Removal	\$ 109,000	\$ 103,000	Work in Progress
	<b>TOTALS</b>	<b>\$ 1,019,319</b>	<b>\$ 460,611</b>	

**2014-2015 COMPLETED PROJECTS  
UTILITY DEPARTMENT**

	<b><u>PROJECT NAME</u></b>	<b><u>BUDGETED</u></b>	<b><u>EXPENDED</u></b>	<b><u>STATUS</u></b>
1	Replace Copier	\$ 12,000	\$ 11,022	Copier Purchased
2	Mutual Intertie Feasibility Study	\$ 5,000	\$ 5,000	\$10,000 payment from PCWA received
3	Ranger Truck Replacement	\$ 27,000	\$ 27,000	Build Complete
4				
5				
6				
	<b>TOTALS</b>	<b>\$ 44,000</b>	<b>\$ 43,022</b>	



# SQUAW VALLEY PUBLIC SERVICE DISTRICT



## OPERATIONS & MAINTENANCE REPORT

**DATE:** March 24, 2015

**TO:** District Board Members

**FROM:** Brandon Burks, Operations Specialist III

**SUBJECT:** Operations & Maintenance Report for February 2015 – 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 – February 2015

a. Water Production:	6.15	MG	
Comparison:	1.27	MG less than 2014	
b. Sewer Collection:	7.18	MG	
Comparison:	1.45	MG less than 2014	
c. Aquifer Level:	February 28, 2015	= 6,187.7'	
	February 28, 2014	= 6,187.9'	
	Highest Recorded	= 6,192.0'	
	Lowest Recorded	= 6,174.0'	
d. Creek Bed Elevation:	Well 2	= 6,186.9'	
e. Precipitation:	February 2015	= 11.30"	
	Season Total	= 27.93"	
	51 Yr. Season to date Avg., Old Fire Station	= 36.00"	
	Season Total to date of 51 Year to date Average	= 77.59%	

### 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 2014 through September 2015.
- The true *Season Total of 51 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 three leak/high usage notifications.
2. Responded to zero after-hours customer service call.

### b. Sewer

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

## 3. Vehicles and Equipment

### a. Vehicles

1. Finished yearly maintenance on small vehicles and large equipment.

### b. Equipment

1. Finished yearly maintenance on small equipment and tools.

## 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: one
3. Customer service turn water service on: one
4. Customer service turn water service off: one
5. Responded to zero customer service call with no water.

- 6. Replaced zero failed water meters.
- d. Operation and Maintenance Squaw Valley Mutual Water Company
  - 1. Finalizing switch over to new SCADA system.
- e. Sewer System Maintenance
  - 1. Check for I and I issues.
- f. Telemetry
  - 1. The rainfall measurements for the month of February were as follows: Nova Lynx 11.30", Carl Gustafson: 8.53", Squaw Valley Snotel: 8.80".
- g. Administration
  - 1. Monthly California Dept. of Public Health (CDPH) report.
  - 2. Worked on implementation of VUE Works
- 5. Services Rendered
  - a. Underground Service Alerts (1)
  - b. Pre-remodel inspections (0)
  - c. Final inspections (1)
  - d. Fixture count inspections (1)
  - e. Water service line inspections (0)
  - f. Sewer service line inspections (0)
  - g. Sewer main line inspections (0)
  - h. Water quality complaint investigation (0)
  - i. Water Backflow Inspections (0)
  - j. FOG inspections (1)

Other Items of Interest

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

6. Drought Preparedness

Squaw Valley received 11.30 inches of precipitation for the month of February. The aquifer level came back down to 6187.7 feet ASL on February 28, 2015. The aquifer is 0.2 feet lower than last year at this time.

The District staff continues to monitor the aquifer and precipitation levels and will continue to advise the Board of changes in conditions that may warrant action. Staff continues to meet to discuss current drought conditions.

**ATTACHMENTS:** Monthly Water Audit Report

**DATE PREPARED:** March 10, 2015

# Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: February Report Date: March 14, 2015 Performed By: Brandon Burks  
Year: 2015

Meter Reader: Jason McGathey Reading begin Date & Time: 2/27/2015 8:30:00 AM  
Reading end Date & Time: 2/27/15 11:30 AM  
Total lag time: 6 Hours

Begin Audit Period: 1/30/15 12:00 AM  
End Audit Period: 2/27/15 12:00 AM

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Total Metered Consumption for audit period specified (including hydrant meters): 5,067,372

Additional Consumption - Unmetered

Fire Department Use: 1,000  
Hydrant Flushing: 2,000  
Blow-Off Flushing: \_\_\_\_\_  
Sewer Cleaning: 1,000  
Street Cleaning: \_\_\_\_\_  
Well Flushing: \_\_\_\_\_  
Tank Overflows: \_\_\_\_\_  
Unread Meter Estimated Reads: \_\_\_\_\_  
Other: \_\_\_\_\_

Total Unmetered Consumption (for audit period specified): \_\_\_\_\_

Estimated Unknown Loss - Unmetered

Known Theft: \_\_\_\_\_  
Known Illegal Connections: \_\_\_\_\_  
Total Estimated leaks that have been repaired: \_\_\_\_\_  
Total Estimated Unmetered (for audit period specified): \_\_\_\_\_

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Total Production for audit period specified: 6,116,642

Total Metered/Unmetered Consumption for audit period specified: 5,071,372

**Total Water Loss (Production - Consumption): 1,045,270**

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**Comments:** The production totals are different than the monthly report due to a different time frame being used. Water loss has come down three hundred thousand gallons since last month.

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