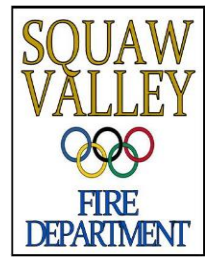




SQUAW VALLEY PUBLIC SERVICE DISTRICT



CAPITAL PROJECTS REPORT

DATE: February 23, 2015

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. Chapter 9, Water System Parts and Equipment Inventory and Chapter 10 Operations and Maintenance Plan Records and Audits are complete. Staff has completed 8 of 18 SOP's with 6 SOP's drafted and 4 pending.
2. Water and Sewer Master Plan Update projects are moving forward with staff providing input on projects to be included in the Capital Improvement Plan Task #2. Staff has received a data request from HDR for the Capital Replacement Rate Analysis that is needed to complete the financial portion of the plan.
3. The SCADA Master Plan Phase II project is over 95% complete. The project included a high speed connection for remote access that cannot be installed due to lack of a repeater site; Sierra Controls extended a credit of \$9,375.10 against extra work performed during the course of the project resulting in a net zero change.
4. Work on the Redundant Water Supply project is finished; a billing is being prepared for grant reimbursement of staff time spent on the project.
5. The Water System Inspections and Repairs project is in the final phase with up-grade 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.

6. Staff is implementing landscape improvements to enhance the overall aesthetics of District properties. The first improvement will be installation of a fence between the front and rear yards at 1810 SV Road this coming spring.
7. Staff rejected all bids and on the 1810 Roof Replacement Project and instead elected to repair the existing roofs. The repairs are holding up fine given the above normal precipitation this winter, therefore full replacement may be delayed.
8. Work began on the Indian Trail 2" Water Line Replacement project with a construction easement request sent to affected homeowners. Line locations were performed in October showing separation issues between the water and sewer, a survey is needed to determine the boundaries of the easement.
9. Staff prepared a memorandum with 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.
10. Staff issued a purchase order for the HVAC control upgrade, installation is being scheduled for April when heat loads are lower.
11. Staff met with the Sewer and Water Committee regarding the Groundwater Management Plan 5 year report, which will be on the February agenda.
12. Staff has placed the order for a replacement vehicle for the Ford Explorer. Staff is purchasing another interceptor model the same as the recent Fire Department purchase saving about \$600.
13. Operations staff is beginning work on the final phase of the Sewer Television Inspection Project updating maps and inventory for contractor pricing. The contract should be on the March agenda.
14. The grant for the IRWM Regional Toilet Rebate Program was approved; the District will receive \$21,400 funding the replacement of up to 214 toilets. Staff has inserted an article in the winter newsletter and will be contacting some of the older multi-family units for inclusion in the program. Grant matching funds will come mostly from operating in the form of staff labor.

ATTACHMENTS:

2015-2016 Capital Budget Project Status Worksheet

DATE PREPARED:

February 16, 2016

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

PROJECT NAME BUDGETED COMMITTED STATUS

1	Water Operations Plan	\$	\$	Complete Pending SOP's
2	Water Master Plan Update	\$ 85,000	\$ 83,900	Task 2-Capital Improvement Plan
3	Groundwater Management Plan	\$ 35,000	\$	5 Year Report on Agenda
4	Intersection Manhole A29	\$ 10,000	\$	On Hold
5	Sewer Master Plan Update	\$ 75,000	\$ 75,300	Task 2-Capital Improvement Plan
6	Capital Replacement Rate Analysis	\$ 25,000	\$	HDR Data Request in Work
7	Easement Abatement	\$ 10,000	\$	On Hold Over Winter
8	VueWorks (Water & Sewer)	\$ 30,000	\$	On Hold
9	TV Inspection 25% & Laterals	\$ 55,000	\$	Updating Maps and Inventory
10	2" Water Main Indian Trail	\$ 50,000	\$	Pending Survey
11	SCADA Upgrade (Water & Sewer)	\$ 70,650	\$ 70,650	95% Complete, Punch List
12	Water System Inspection/ Repairs	\$ 40,000	\$ 15,000	Ordering Parts for Well 2R
13	Roof Repair 1810	\$ 40,000	\$ 3,000	Repairs Complete
14	Ford Explorer (Replace 1997)	\$ 30,000	\$ 30,000	Vehicle Ordered
15	Medium/ Large Field Equipment	\$ 10,000	\$	Asphalt Tamper Purchased
16	Phone System Repairs	\$ 10,000	\$	On Hold
17	HVAC System Repairs	\$ 20,000	\$	Purchase Order Issued
18	2016 Landscape and Facilities Maintenance	\$ 25,000	\$	On Hold Over Winter
	Grant Funded Projects			
19	Redundant Water Supply CO	\$ 175,000	\$ 175,000	Complete
20	Redundant Water Supply	\$ 160,000	\$	Grant Matching Funds CEQA
21	Mutual Intertie	\$ 20,000	\$	Grant Match Funds
22	Aquifer Monitoring Program	\$ 12,760	\$	Grant Match Funds
23	IRWM Toilet Rebate Program	\$ 21,400	\$	Grant Approved
	TOTALS	\$ 1,070,329	\$ 452,850	

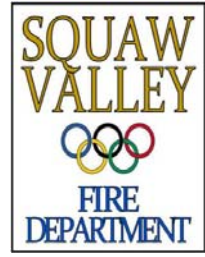
**2015-2016 COMPLETED PROJECTS
UTILITY DEPARTMENT**

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				
4				
5				
6				
	TOTALS	\$ 10,000	\$ 27,309	



SQUAW VALLEY PUBLIC SERVICE DISTRICT



OPERATIONS & MAINTENANCE REPORT

DATE: February 23, 2016
TO: District Board Members
FROM: Brandon Burks, Operations Specialist III
SUBJECT: Operations & Maintenance Report for January 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 –January 2016

a. Water Production:	8.07	MG	
Comparison:	0.58	MG more than 2015	
b. Sewer Collection:	9.98	MG	
Comparison:	2.79	MG more than 2015	
c. Aquifer Level:	January 31, 2016	= 6,188.4'	
	January 31, 2015	= 6,187.8'	
	Highest Recorded	= 6,192.0'	
	Lowest Recorded	= 6,174.0'	
d. Creek Bed Elevation:	Well 2	= 6,186.9'	
e. Precipitation:	January 2016	= 16.48"	
	Season to date total	= 38.02"	
	51 Yr. Season to date Avg., Old Fire Station	= 28.26"	
	Season Total to date of 51 Year to date average	= 134.52%	

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 fifteen 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.
2. Started year-end maintenance.

b. Equipment

1. Started year-end 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. 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: none
4. Customer service turn water service off: none
5. Responded to zero customer service call with no water.

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 January were as follows: Nova Lynx 16.48", Carl Gustafson: 13.59", Squaw Valley Snotel: 13.90".
 - 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 (0)
- b. Pre-remodel inspections (1)
- c. Final inspections (0)
- d. Fixture count inspections (2)
- 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 16.48 inches of precipitation for the month of January. The aquifer level rose to 6,188.4 feet ASL on January 31, 2016. The aquifer is 0.6 feet higher 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.

For the calendar year of 2015, the District pumped 95.20 million gallons of water. This was a reduction of 39.16 million gallons in comparison to the calendar year 2013. The reduction reported to the state from June 2015 through November 2015 in comparison to the same months in 2013, showed a reduction of 20.72 million gallons of water. This savings equaled a savings of 26.90 percent.

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: February 17, 2016

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: January Report Date: February 4, 2016 Performed By: Brandon Burks
Year: 2016
Meter Reader: Schel Roland Reading begin Date & Time: 2/1/16 8:30 AM
Reading end Date & Time: 2/1/16 12:00 PM
Total lag time: 3:30:00
Begin Audit Period: 12/31/15 12:00 AM
End Audit Period: 2/1/16 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 6,971,747

Additional Consumption - Unmetered

Fire Department Use: 5,000
Hydrant Flushing: 20,000
Blow-Off Flushing: _____
Sewer Cleaning: _____
Street Cleaning: _____
Well Flushing: _____
Tank Overflows: _____
Unread Meter Estimated Reads: _____
Other: _____
Total Unmetered Consumption (for audit period specified): 25,000

Estimated Loss - Unmetered

Known Theft: _____
Known Illegal Connections: _____
Total Estimated leaks that have been repaired: 100,800
Total Estimated Unmetered (for audit period specified): 100,800

Total Production for audit period specified: 8,367,045

Total Metered/Unmetered Consumption for audit period specified: 7,097,547

Total Water Loss (Production - Consumption): 1,269,498

Comments: The production totals are different than the monthly report due to a different time frame being used.

The District continues to investigate leaks. A large leak was repaired at Squaw Valley North Condos.

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