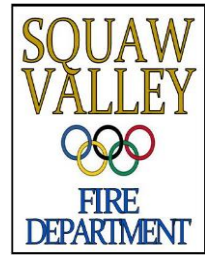




SQUAW VALLEY PUBLIC SERVICE DISTRICT



CAPITAL PROJECTS REPORT

DATE: October 28, 2014
TO: District Board Members
FROM: Jesse McGraw, Operations Manager
SUBJECT: Capital Projects Report – Information Only

BACKGROUND:

The following list provides a limited status 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 has completed the first 4.5 chapters of the Water Operations Plan; work on the plan resumes the week of October 20th.
2. Farr West Engineering and Sierra Controls have submitted the revised SCADA Master Plan. Staff and consultants met the first week in October to discuss the Phase I work plan, a proposal is forthcoming.
3. Aspen Developers Corp. installed most of the improvements on the Aspens Sewer Realignment Project as of October 20, 2014. Testing and punch list items are being worked on for acceptance. Manhole E-30 was not installed and is being re-designed.
4. The Squaw Creek Siphon was televised and found to be in good condition. Farr West completed work inputting the spring TVI work into VueWorks.
5. The leak detection contractor located a leak in the vicinity of the S Turn project. The valve was excavated and the leak determined to have been in the valve packing.
6. Purchase of a 2014 Ford F-150 4x4 pickup truck was approved and the truck ordered.
7. Work on the Redundant Water Supply project is progressing with Farr West Engineering, a

draft report on the feasibility of local water sources is nearly complete. Farr West is currently preparing the Phase II gap analysis.

8. Staff met with the Granite Chief Homeowners Association to work out details of a development agreement whereby the District will take the lead in getting the old sewer along the creek replaced. Auerbach Engineering who has submitted a proposal will perform the survey and design work.
9. Shaw Engineering has submitted 90% plans for the Mutual Intertie Project and began work on specifications. Staff is working to get the design wrapped up by the end of October. The grant application to fund construction of the project with the Tahoe Sierra IRWM group through the State's drought assistance program was not approved. However, the IRWM group has voted to re-submit the application under the standard funding process in spring 2015.
11. Work began on the Indian Trail 2" Water Line Replacement project with request of a construction easement sent to effected homeowners.
12. The Utility Department is again experiencing staffing shortfalls with the resignation of an employee, an employee out on injury, and an employee with a planned extended leave. Advertisements were posted in search of a replacement or trainee with response by 39 applicants. Interviews were conducted with 6 applicants and of the group 2 were chosen as excellent candidates for training positions. The Department will be welcoming Devin Walsh as an Operations Specialist Trainee on November 3, 2014. Devin has 5 summers working as a temp for Northstar CSD. Also coming on board as a temp will be Tyler Penn. Tyler will begin December 1, 2014 and will work primarily on Bike Trail snow removal while learning to be an Operations Specialist.

ATTACHMENTS:

2014-2015 Capital Budget Project Status Worksheet

DATE PREPARED:

October 20, 2014

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

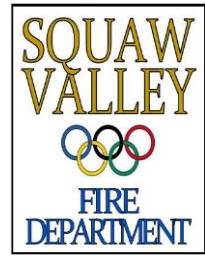
	<u>PROJECT NAME</u>	<u>BUDGETED</u>	<u>COMMITTED</u>	<u>STATUS</u>
1	Water Operations Plan	\$ 25,000	\$	Work beginning
2	Water Master Plan	\$ 25,000	\$	On Hold
3	15" to 21" Olympic Estates	\$ 138,000	\$	Project Suspended
4	Intersection Manhole A29	\$ 10,000	\$	On Hold
5	VueWorks (Water & Sewer)	\$ 30,000	\$ 5,000	TVI Input Complete
6	2" Water Main Indian Trail	\$ 50,000	\$	Owners Notified Requesting Easement
7	SCADA Upgrade (Water & Sewer)	\$ 50,000	\$	Meeting with Sierra Controls
8	Easement Abatement	\$ 25,000	\$	In Work
9	Design Creek View/Sierra Crest	\$ 26,000	\$	On Hold
10	Aspens Sewer Realignment	\$ 133,550	\$ 110,000	Construction in Progress
11	Sewer Bypass Crossing Hwy 89	\$ 25,000	\$	RFP for Design Farr West
12	Sewer Master Plan	\$ 50,000	\$	On Hold
13	SSMP Audit/ Update	\$ 7,500	\$	On Hold
14	In House Smoke Test I&I	\$ 46,239	\$	On Hold
15	TV Inspection 25% & Laterals	\$ 55,000	\$ 2,935	Siphon Televised
16	1810 Parking Lot Sealing	\$ 8,000	\$	On Hold
17	1810 Painting	\$ 8,000	\$	On Hold
18	1810 Carpet in Meeting Room	\$ 6,500	\$	On Hold
19	Ranger Truck Replacement	\$ 27,000	\$ 25,000	Truck on Order, Ranger Sold
20	Confined Space/ Fall Protection	\$ 6,500	\$	Researching Equipment
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
	Grant Funded Projects			
23	Redundant Water Supply	\$ 175,000	\$ 175,000	Phase II Work in Progress
24	Bike Trail Snow Removal	\$ 109,000		On Hold
25	Mutual Intertie Feasibility Study	\$ 5,000	\$ 5,000	IRWM-Grant not Funded
	TOTALS	\$ 1,051,319	\$ 332,611	

**2014-2015 COMPLETED PROJECTS
UTILITY DEPARTMENT**

	<u>PROJECT NAME</u>	<u>BUDGETED</u>	<u>EXPENDED</u>	<u>STATUS</u>
1	Replace Copier	\$ 12,000	\$ 11,022	Copier Purchased
2				
3				
4				
5				
6				
	TOTALS	\$ 12,000	\$ 11,022	



SQUAW VALLEY PUBLIC SERVICE DISTRICT



OPERATIONS & MAINTENANCE REPORT

DATE: October 28, 2014

TO: District Board Members

FROM: Brandon Burks, Operations Specialist III

SUBJECT: Operations & Maintenance Report for September 2014 – 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 – September 2014

a. Water Production:	11.00	MG	
Comparison:	2.37	MG Less than 2013	
b. Sewer Collection:	4.66	MG	
Comparison:	0.50	MG Less than 2013	
c. Aquifer Level:	September 30, 2014	= 6,180.2'	
	September 30, 2013	= 6,181.6'	
	Highest Recorded	= 6,192.0'	
	Lowest Recorded	= 6,174.0'	
d. Creek Bed Elevation:	Well 2	= 6,186.9'	
e. Precipitation:	September 2014	= 1.96"	
	Season Total	= 31.91"***	
	48 Yr. Season Avg., Old Fire Station	= 51.89"	
	Season Total of 48 Year Average	= 61.50%	

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 2013 through September 2014.
- The true *Season Total of 47 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.
- **Rain data for April and May 2014 was estimated using available data

2. Leaks and Repairs

a. Water

1. The District issued twelve 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. None.

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. Nitrate as NO₃ samples taken at all wells.
3. Leak detection services performed: two
4. Customer service turn water service on: zero

5. Customer service turn water service off: zero
6. Responded to zero customer service call with no water.
7. Replaced zero failed water meters.
8. Continued operation and maintenance of Squaw Valley Mutual Water Company's water system.

d. Sewer System Maintenance

1. Prepped for Aspen Sewer Line Replacement Project
2. Prepped for Winding Creek Siphon Television Video Inspection.

e. Telemetry

1. The rainfall measurements for the month of September were as follows: Nova Lynx 1.96", Carl Gustafson: 1.71", Squaw Valley Snotel: 2.30".

f. Administration

1. Monthly California Dept. of Public Health (CDPH) report.
2. Worked on implementation of VUE Works

5. Services Rendered

a. Underground Service Alerts	(30)
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 investigation	(0)
i. Water Backflow Inspections	(0)
j. FOG inspections	(0)

Other Items of Interest

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

6. Drought Preparedness

Squaw Valley received 61.5% of its average precipitation for the completed 2013-2014 rain year which runs from October 2013 to September 2014. The aquifer level is in its seasonal decline and on September 30, 2014 the static level reached 6180.2 feet ASL. The aquifer is 1.4 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: October 15, 2014

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: September Report Date: October 18 2014 Performed By: Brandon Burks
 Year: 2014

Meter Reader: Josh Wilson Reading begin Date & Time: 9/30/14 8:30 AM
 Reading end Date & Time: 9/30/14 11:00 AM
 Total lag time: 2:30:00

Begin Audit Period: 8/29/14 12:00 PM
 End Audit Period: 9/30/14 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 10,189,145

Additional Consumption - Unmetered

Fire Department Use: 3,500
 Hydrant Flushing: 30,000
 Blow-Off Flushing: _____
 Sewer Cleaning: _____
 Street Cleaning: _____
 Well Flushing: _____
 Tank Overflows: _____
 Unread Meter Estimated Reads: _____
 Other:Hydrant meters _____
 Total Unmetered Consumption (for audit period specified): 33,500

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: 12,129,374

Total Metered/Unmetered Consumption for audit period specified: 10,222,645

Total Water Loss (Production - Consumption): 1,906,729

Comments: The production totals are different than the monthly report due to a different time frame being used. The loss amount of water has come down almost 1 million gallons from July. The District continues to investigate leaks. A possible leak in the S-Turn area was resolved. Another possible leak is being worked on now.

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