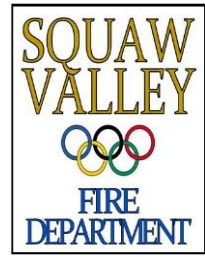




SQUAW VALLEY PUBLIC SERVICE DISTRICT



CAPITAL PROJECTS REPORT

DATE: November 21, 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 5 chapters of the Water Operations Plan; work on Chapter 6 Standard Operating Procedures is in progress.
2. Farr West Engineering and Sierra Controls have completed the SCADA Master Plan. Staff and consultants met to discuss the Phase I work plan, a proposal is forthcoming.
3. Aspen Developers Corp. completed improvements on the Aspens Sewer Realignment Project as of October 20, 2014. Punch list items are complete with the exception of sealing the parking lot. Manhole E-30 was not installed and is being re-designed.
4. Purchase of a 2014 Ford F-150 4x4 pickup truck was approved and the truck ordered.
5. 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.
6. 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.

7. The Mutual Intertie Project design is complete, the IRWM group voted to re-submit the drought grant application and a letter was submitted to DWR, however DWR has elected to not fund the grant. The Tahoe Sierra IRWM group will meet again when the 2015 grant guidelines are issued next spring. Request for reimbursement was forwarded to PCWA in the amount of \$10,000.
8. Work began on the Indian Trail 2" Water Line Replacement project with request of a construction easement sent to effected homeowners.
9. Snow poles were installed on the bike trail. Staff met regarding Bike Trail Snow Removal Project financing.
10. The 22 year old confined space entry gear is being replaced, an equipment order is pending.

ATTACHMENTS:

2014-2015 Capital Budget Project Status Worksheet

DATE PREPARED:

November 5, 2014

2014-2015 BUDGET CAPITAL PROJECTS STATUS
UTILITY DEPARTMENT
November 2014

PROJECT NAME **BUDGETED** **COMMITTED** **STATUS**

1	Water Operations Plan	\$ 25,000	\$	Chapter 5 Completed
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	\$	Proposal Pending
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	Construction Complete for 2014
11	Sewer Bypass Crossing Hwy 89	\$ 25,000	\$	On Hold
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		Snow Poles Installed
25	Mutual Intertie Feasibility Study	\$ 5,000	\$ 5,000	IRWM-Grant not Funded
	TOTALS	\$ 1,051,319	\$ 332,611	

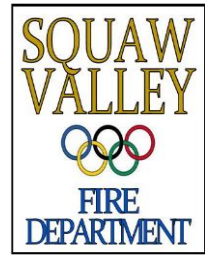
2014-2015 COMPLETED PROJECTS
UTILITY DEPARTMENT

PROJECT NAME **BUDGETED** **EXPENDED** **STATUS**

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: November 21, 2014

TO: District Board Members

FROM: Brandon Burks, Operations Specialist III

SUBJECT: Operations & Maintenance Report for October 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 – October 2014

a. Water Production:	7.82	MG
	Comparison:	0.67 MG Less than 2013
b. Sewer Collection:	4.13	MG
	Comparison:	0.19 MG more than 2013
c. Aquifer Level:	October 31, 2014	= 6,181.2'
	October 31, 2013	= 6,180.4'
	Highest Recorded	= 6,192.0'
	Lowest Recorded	= 6,174.0'
d. Creek Bed Elevation:	Well 2	= 6,186.9'
e. Precipitation:	October 2014	= 1.67"
	Season Total	= 1.67"
	51 Yr. Season Avg., Old Fire Station	= 2.98"
	Season Total of 51 Year Average	= 56.10%

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 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. Nitrite as N samples taken at all wells.
3. Leak detection services performed: one
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.
- d. Operation and Maintenance Squaw Valley Mutual Water Company
 1. System wide survey of meters, insulation, stakes and services that still need to be connected to the new mains.
 2. Finalizing switch over to new SCADA system.
 - e. Sewer System Maintenance
 1. Finalized Aspen Sewer Line Replacement Project.
 2. Completed Winding Creek Siphon Television Video Inspection. Siphon looked to be in good condition.
 - f. Telemetry
 1. The rainfall measurements for the month of October were as follows: Nova Lynx 1.67", Carl Gustafson: 1.13", Squaw Valley Snotel: 1.60".
 - 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 | (26) |
| 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 | (0) |

Other Items of Interest

- K. Training – SDRMA Online class, SDRMA Safety Booklet, AWWA convention Reno, NV.

6. Drought Preparedness

Squaw Valley received 1.67 inches of precipitation for the start of the 2014-2015 rain year which runs from October 1st 2014 to September 30th 2015. The aquifer level is in its seasonal rise and on October 31, 2014 the static level reached 6181.2 feet ASL. The aquifer is 0.8 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.

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: November 4, 2014

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: October Report Date: November 5, 2014 Performed By: Brandon Burks
Year: 2014
Meter Reader: Josh Wilson Reading begin Date & Time: 10/31/14 9:00 AM
Reading end Date & Time: 10/31/14 12:00 PM
Total lag time: 3:00:00
Begin Audit Period: 9/30/14 12:00 AM
End Audit Period: 10/31/14 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 6,372,910

Additional Consumption - Unmetered
Fire Department Use: 92,500
Hydrant Flushing: 30,000
Blow-Off Flushing:
Sewer Cleaning: 5,000
Street Cleaning:
Well Flushing:
Tank Overflows:
Unread Meter Estimated Reads:
Other: 5,000
Total Unmetered Consumption (for audit period specified): 132,500

Estimated Unknown Loss - Unmetered
Known Theft:
Known Illegal Connections:
Total Estimated leaks that have been repaired: 216,000
Total Estimated Unmetered (for audit period specified): 216,000

Total Production for audit period specified: 8,036,958

Total Metered/Unmetered Consumption for audit period specified: 6,721,410

Total Water Loss (Production - Consumption): 1,315,548

Comments: The production totals are different than the monthly report due to a different time frame being used.
A unmetered leak was repaired at the Squaw Valley North condos. The District continues to investigate leaks.

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