



SQUAW VALLEY PUBLIC SERVICE DISTRICT



CAPITAL PROJECTS REPORT

DATE: October 25, 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 the 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. Staff prepared a memorandum with the project description and outlined 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.
5. Television work is complete on the final phase of the Sewer Television Inspection Project; final reports will be integrated into VueWorks.
6. The grant for the IRWM Regional Toilet Rebate Program was approved; the District has

received \$21,400 towards 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.

7. 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.
8. The Highway 89 sewer siphon was bypassed and inspected with a high definition camera. The inspection footage is being reviewed by staff and the inspection contractor.

ATTACHMENTS:

2016-2017 Capital Budget Project Status Worksheet

DATE PREPARED:

October 10, 2016

**2016-2017 BUDGET CAPITAL PROJECTS STATUS
UTILITY DEPARTMENT
September 2016**

PROJECT NAME BUDGETED COMMITTED STATUS

1	Design Truckee River Siphon	\$ 110,000	\$	Analyzing Needs
2	Truckee River Siphon Bypass	\$ 25,000	\$ 7,000	Siphon was bypassed and inspected
3	Intersection Manholes	\$ 10,000	\$	On hold
4	Paint Wood Trim 305 Building	\$ 20,000	\$	On hold
5	Capital Replacement Rate Analysis	\$ 50,000	\$ 50,000	HDR in work
6	Easement Abatement	\$ 5,000	\$	Starting Phase II
7	Board Director Chairs	\$ 5,250	\$	On hold
8	2" Water Main Indian Trail	\$ 15,000	\$	On hold
9	SCADA Parts (Water & Sewer)	\$ 8,000	\$ 8,000	In progress
10	Scada Master Plan- Pre phase III	\$ 16,280	\$ 16,280	In progress
11	Meeting chairs	\$ 6,750	\$	On hold
12	Phone System Replacement	\$ 50,000	\$	On Hold
13	2016 Landscape and Facilities Maintenance	\$ 20,000	\$ 1,719	Small scale improvement in work
14	Fire hydrant replacements	\$ 15,000	\$	On Hold
	TOTAL CAPITAL	\$ 356,280	\$ 82,999	
	Grant Funded Projects			
1	IRWM Toilet Rebate Program	\$ 21,400	\$ 21,400	Grant Approved
2	Water Management Action Plan	\$ 15,138	\$ 8,281	PCWA Grant Received
3				
4				
5				
	POTENTIAL GRANT TOTAL	\$ 36,538	\$ 29,681	

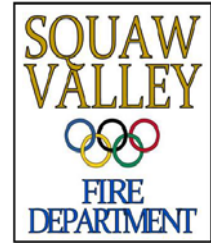
**2016-2017 COMPLETED PROJECTS
UTILITY DEPARTMENT**

PROJECT NAME BUDGETED EXPENDED STATUS

1	Water Operations Plan			Complete Pending 2 SOP's
2				
3				
4				
5				
6				
7				
	TOTALS	\$ 0	\$ 0	



SQUAW VALLEY PUBLIC SERVICE DISTRICT



OPERATIONS & MAINTENANCE REPORT

DATE: October 25, 2016
TO: District Board Members
FROM: Brandon Burks, Operations Superintendent
SUBJECT: Operations & Maintenance Report for September 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 –September 2016

a. Water Production:	11.12	MG	
Comparison:	0.83	MG more than 2015	
b. Sewer Collection:	4.91	MG	
Comparison:	1.02	MG less than 2015	
c. Aquifer Level:	September 30, 2016	= 6,181.2'	
	September 30, 2015	= 6,180.7'	
	Highest Recorded	= 6,192.0'	
	Lowest Recorded	= 6,174.0'	
d. Creek Bed Elevation:	Well 2	= 6,186.9'	
e. Precipitation:	September 2016	= 0.14"	
	Season to date total	= 63.79"	
	52 year season-to-date average, Old Fire Station	= 51.85"	
	Season total to date of 52 year-to-date average	= 123.04%	

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 eight leak/high usage notifications.
2. Responded to zero after-hours customer service calls.

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: two.
3. Customer service turn water service on: one.
4. Customer service turn water service off: one.
5. Responded to zero customer service calls 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 September were as follows: Nova Lynx 0.14", Carl Gustafson: 0.00", Squaw Valley Snotel: 0.10".
 - 2. 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 (22)
 - b. Pre-remodel inspections (1)
 - c. Final inspections (1)
 - d. Fixture count inspections (2)
 - e. Water service line inspections (2)
 - f. Sewer service line inspections (2)
 - g. Sewer main line inspections (0)
 - h. Water quality complaint investigations (0)
 - i. Water Backflow Inspections (0)
 - j. FOG inspections (1)
 - k. Toilet Rebate Inspections (0)
 - l. Plan Checks (4)
- Other Items of Interest
- m. Training – SDRMA Online class, SDRMA Safety Booklet.
6. Drought Preparedness
- a. Squaw Valley received 0.14 inches of precipitation for the month of September. The aquifer level was 6,181.2 feet ASL on September 30, 2016. The aquifer is 0.5 feet higher than last year at this time.

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: October 6, 2016

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: September Report Date: October 2, 2016 Performed By: Brandon Burks
 Year: 2016

Meter Reader: Jason McGathey Reading begin Date & Time: 9/29/16 8:30 AM
 Reading end Date & Time: 9/29/16 11:00 AM
 Total lag time: 2:30:00

Begin Audit Period: 9/1/16 12:00 PM
 End Audit Period: 9/29/16 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 8,887,449

Additional Consumption - Unmetered

Fire Department Use:	<u>5,000</u>
Hydrant Flushing:	<u>5,500</u>
Blow-Off Flushing:	<u> </u>
Sewer Cleaning:	<u> </u>
Street Cleaning:	<u> </u>
Well Flushing:	<u> </u>
Tank Overflows:	<u> </u>
Unread Meter Estimated Reads:	<u> </u>
Other:Hydrant meters	<u> </u>
Total Unmetered Consumption (for audit period specified):	<u>10,500</u>

Estimated Unknown Loss - Unmetered

Known Theft:	<u> </u>
Known Illegal Connections:	<u> </u>
Total Estimated leaks that have been repaired:	<u> </u>
Total Estimated Unmetered (for audit period specified):	<u> </u>

Total Production for audit period specified: 10,546,444

Total Metered/Unmetered Consumption for audit period specified: 8,897,949

Total Water Loss (Production - Consumption): 1,648,495

Comments: The production totals are different than the monthly report due to a different time frame being used. Squaw Valley North is currently replacing the main and laterals that serve the condos.

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