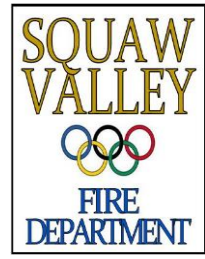




SQUAW VALLEY PUBLIC SERVICE DISTRICT



CAPITAL PROJECTS REPORT

DATE: May 26, 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. 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 Phase I is 95% complete. The additional work to re-program the radios and update the Master RTU is nearly complete; staff is working with the consultant on punch list items.
3. Aspen Developers Corp. is completing punch list items to include sealing of the parking lot scheduled for May 27, 2015; the issue with the electric conduit was resolved. Manhole E-30 was not installed and is being re-designed, an ASA for the re-design work was approved in April; the manhole will be installed in June.

4. Work on the Redundant Water Supply project is progressing with Farr West Engineering authorized to begin the Phase III work.
5. Work is beginning on the Water and Sewer Master Plan studies with proposals from Farr West Engineering on this month's agenda.
6. 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 alternatives analysis.
7. Work began on the Indian Trail 2" Water Line Replacement project with a construction easement request sent to affected homeowners. Line locations are scheduled in May to determine if new easements are needed for separation from the sewer.
8. There was a broken pipe in the Squaw Valley Prep School facility at 1810 Squaw Valley Road discovered in early January. The re-construction work is complete at a cost of about \$54,000.
9. The Village Water Supply Assessment (WSA) is being revised and re-issued. A draft should be ready in July.
10. Work for Phase 3 of the Sewer Television Inspection project is in progress. The contractor is televising sewers in the lower subdivision including Tiger Tail, Forest Glenn, and Winding Creek Roads.
11. As the current drought worsens; April 1, 2015 the Governor of California issued additional executive Orders directing the State Water Board to issue mandatory restrictions aimed at achieving a 25% reduction in urban water use statewide. The District in response to a previous mandate implemented Stage II drought restrictions contained in our conservation code effective August 2014. The May agenda contains a renewal of the Stage II Drought Conditions with implementation of State mandated restrictions on watering lawns.

ATTACHMENTS:

2014-2015 Capital Budget Project Status Worksheet

DATE PREPARED:

May 18, 2015

2014-2015 BUDGET CAPITAL PROJECTS STATUS
UTILITY DEPARTMENT
May 2015

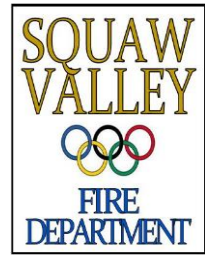
	<u>PROJECT NAME</u>	<u>BUDGETED</u>	<u>COMMITTED</u>	<u>STATUS</u>
1	Water Operations Plan	\$ 25,000	\$	Chapter 6, SOP's in Work Chapter 8 Emergency Plan Complete
2	Water Master Plan	\$ 25,000	\$	Scope of Work Meeting Held PCWA Grant Application Submitted
3	15" to 21" Olympic Estates	\$ 138,000	\$ 5,205	Project Suspended
4	Intersection Manhole A29	\$ 10,000	\$	On Hold
5	VueWorks (Water & Sewer)	\$ 30,000	\$ 12,940	TVI Input Complete
6	2" Water Main Indian Trail	\$ 50,000	\$	Line Locations Pending
7	SCADA Upgrade (Water & Sewer)	\$ 50,000	\$ 50,000	95% Complete, Punch List
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	Sealing Scheduled May 20, 2015
11	Sewer Bypass Crossing Hwy 89	\$ 25,000	\$	On Hold
12	Sewer Master Plan	\$ 50,000	\$	On Hold
14	In House Smoke Test I&I	\$ 46,239	\$	On Hold
15	TV Inspection 25% & Laterals	\$ 55,000	\$ 34,953	In Work
16	1810 Parking Lot Sealing	\$ 8,000	\$	Contract in Board Package
17	1810 Painting	\$ 8,000	\$	Schedule for June 2015
18	1810 Carpet in Meeting Room	\$ 6,500	\$	Project Suspended
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 III Work in Progress
24	Bike Trail Snow Removal	\$ 109,000	\$ 103,000	Complete Pending Spring Maint.
	TOTALS	\$ 1,015,289	\$ 500,774	

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	Mutual Intertie Feasibility Study	\$ 5,000	\$ 5,000	Design Complete
3	Ranger Truck Replacement	\$ 27,000	\$ 27,000	Build Complete
4	SSMP Audit/ Update	\$ 7,500	\$ 0.0	Completed In House
5	Confined Space/ Fall Protection	\$ 6,500	\$ 6,145	Equipment Purchased
6	S Turn Water Main		\$ 106,206	Complete
	TOTALS	\$ 58,000	\$ 155,373	



SQUAW VALLEY PUBLIC SERVICE DISTRICT



OPERATIONS & MAINTENANCE REPORT

DATE: May 26, 2015

TO: District Board Members

FROM: Brandon Burks, Operations Specialist III

SUBJECT: Operations & Maintenance Report for April 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 – April 2015

a. Water Production:	5.04	MG	
Comparison:	1.60	MG less than 2014	
b. Sewer Collection:	4.52	MG	
Comparison:	2.13	MG less than 2014	
c. Aquifer Level:	April 30, 2015	= 6,188.6'	
	April 30, 2014	= 6,188.8'	
	Highest Recorded	= 6,192.0'	
	Lowest Recorded	= 6,174.0'	
d. Creek Bed Elevation:	Well 2	= 6,186.9'	
e. Precipitation:	April 2015	= 2.99"	
	Season Total	= 32.00"	
	51 Yr. Season to date Avg., Old Fire Station	= 46.57"	
	Season Total to date of 51 Year to date Average	= 68.71%	

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 seven leak/high usage notifications.
2. Responded to zero after-hours customer service call.

b. Sewer

1. Responded to zero after-hours customer service calls.
2. SSO at Winding Creek Siphon.
3. Cleaned Winding Creek siphon and prepped for TV inspection.

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. Five bacteriological tests taken: one at 1810 Squaw Valley Road, one at Zone Three Booster Station, one at 272 Sierra Crest Trail, one at 3103 Sierra Ridge Place and one at the horizontal well. The sample for the Zone Three Booster Station was positive for coliform. Upstream, downstream and source samples were required by the State

Water Board and came back absent, along with 1810 being absent. Five samples will be required in May. Three have already been taken in May, including the Zone Three Booster Station, all were absent. The Zone Three Booster Station piping was taken apart and cleaned and additional servicing was added to the preventative maintenance schedule for that site. The water system is in compliance with monthly MCL.

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.
 2. Replace chemical injection pump.
- e. Sewer System Maintenance
1. Check for I and I issues.
 2. Start 2015 CCTV Project.
 3. Clean main line sewers in front of 2015 CCTV Project
- f. Telemetry
1. The rainfall measurements for the month of March were as follows: Nova Lynx 2.99", Carl Gustafson: 2.99", Squaw Valley Snotel: 3.50".
 2. Prepare for SCADA upgrade.
- g. Administration
1. Monthly California State Water Boards report.
 2. Discuss positive coliform sample with State Water Resources Board District Engineer.
 3. Worked on implementation of VUE Works
5. Services Rendered
- | | |
|--|-----|
| a. Underground Service Alerts | (6) |
| b. Pre-remodel inspections | (1) |
| 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. USA Locate class.

6. Drought Preparedness

Squaw Valley received 2.99 inches of precipitation for the month of April. The aquifer level climbed up to 6188.6 feet ASL on April 30, 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 is analyzing the new State Drought Regulations and will advise the Board as the regulations are finalized. Staff continues to meet to discuss current drought conditions.

ATTACHMENTS: Monthly Water Audit Report

DATE PREPARED: March 15, 2015

Squaw Valley Public Service District - Monthly Water Audit Report

Audit Month: April
Year: 2015

Report Date: May 15, 2015

Performed By: Brandon Burks

Meter Reader: Devin Walsh

Reading begin Date & Time: 4/30/15 8:30 AM

Reading end Date & Time: 4/30/15 12:00 PM

Total lag time: 3.5 hours

Begin Audit Period: 3/31/15 3:00 PM

End Audit Period: 4/30/15 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 3,873,710

Additional Consumption - Unmetered

Fire Department Use: 4,000

Hydrant Flushing: 298,756

Blow-Off Flushing:

Sewer Cleaning: 33,750

Street Cleaning:

Well Flushing:

Tank Overflows:

Unread Meter Estimated Reads:

Other:

Total Unmetered Consumption (for audit period specified): 336,506

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: 5,047,458

Total Metered/Unmetered Consumption for audit period specified: 4,210,216

Total Water Loss (Production - Consumption): 837,242

Comments: The production totals are different than the monthly report due to a different time frame being used. The District continues to search for leaks. Hydrant flushing was started in April and will continue into May. Leak detection will start in May on all meters.

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