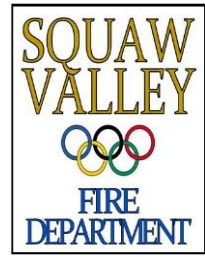




SQUAW VALLEY PUBLIC SERVICE DISTRICT



CAPITAL PROJECTS REPORT

DATE: April 28, 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 progressing which will replace the main terminal and operating software. An ASA for additional work to re-program the radios and update the Master RTU is on the April agenda.
3. Aspen Developers Corp. completed improvements on the Aspens Sewer Realignment project. A Notice of Completion was filed with the Placer County Recorder's Office. Staff received a notice of potential claim from the Homeowners Association for a severed electrical conduit and therefore continues to withhold retainage. Manhole E-30 was not installed and is being re-designed, an ASA for the re-design work is on the April agenda.

4. Work on the Redundant Water Supply project is progressing with Farr West Engineering authorized to begin the Phase III work.
5. 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.
6. 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.
7. There was a broken pipe in the Squaw Valley Prep School facility at 1810 Squaw Valley Road discovered in early January. There was extensive damage that is being covered by the schools insurer. The re-construction work is presently near completion.
8. The Village Water Supply Assessment (WSA) is being revised and re-issued. A draft should be ready in July.
9. 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.
10. 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. Attached is a summary of the Stage II restrictions and the proposed regulations along with a fact sheet issued by DWR. New regulations are being drafted that will go into effect May 15, 2015. Staff continues to monitor the process and the effect it will have on the Districts customers. In the meantime we are preparing flyers for distribution to restaurants and hotels.

ATTACHMENTS:

2014-2015 Capital Budget Project Status Worksheet
Analysis of Drought Restrictions
California Water Boards Fact Sheets

DATE PREPARED:

April 21, 2015

2014-2015 BUDGET CAPITAL PROJECTS STATUS
UTILITY DEPARTMENT
April 2015

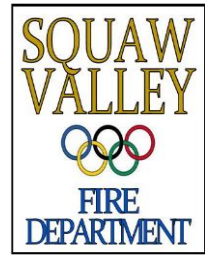
	<u>PROJECT NAME</u>	<u>BUDGETED</u>	<u>COMMITTED</u>	<u>STATUS</u>
1	Water Operations Plan	\$ 25,000	\$	Chapter 6, SOP's in Work Chapter 8 Emergency Plan Complete
2	Water Master Plan	\$ 25,000	\$	Scope of Work Meeting Held PCWA Grant Application Submitted
3	15" to 21" Olympic Estates	\$ 138,000	\$ 5,205	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	ASA Pending Approval
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	ASA Pending Approval
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	\$	RFP Issued
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	Work in Progress
	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: April 28, 2015

TO: District Board Members

FROM: Brandon Burks, Operations Specialist III

SUBJECT: Operations & Maintenance Report for March 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 – March 2015

a. Water Production:	6.35	MG
	Comparison:	4.29 MG less than 2014
b. Sewer Collection:	6.82	MG
	Comparison:	1.89 MG less than 2014
c. Aquifer Level:	March 31, 2015	= 6,188.6'
	March 31, 2014	= 6,188.3'
	Highest Recorded	= 6,192.0'
	Lowest Recorded	= 6,174.0'
d. Creek Bed Elevation:	Well 2	= 6,186.9'
e. Precipitation:	March 2015	= 1.08"
	Season Total	= 29.01"
	51 Yr. Season to date Avg., Old Fire Station	= 43.11"
	Season Total to date of 51 Year to date Average	= 67.29%

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 six 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. Cleaned up small Category 3 overflow at 145 Tiger Tail.
3. Removed roots from lower end of service line at 145 Tiger Tail.

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 410 Forest Glen Road and one at Resort at Squaw Creek; both samples were reported absent.
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.
- e. Sewer System Maintenance
1. Check for I and I issues.
 2. Prep for 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 1.08", Carl Gustafson: 0.88", Squaw Valley Snotel: 1.30".
- 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 | (8) |
| b. Pre-remodel inspections | (0) |
| c. Final inspections | (1) |
| d. Fixture count inspections | (3) |
| e. Water service line inspections | (1) |
| f. Sewer service line inspections | (1) |
| 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 1.08 inches of precipitation for the month of March. The aquifer level climbed up to 6188.0 feet ASL on March 31, 2015. The aquifer is 0.3 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 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 10, 2015

State Water Resources Control Board Adopts New Drought Regulations

In August 2014 the District implemented Stage II Conservation measures in response to emergency regulations imposed by the State of California. The new regulation includes conservation measures in effect for both Stage I and Stage II of the District's conservation plan. The new regulation contains new restrictions impacting residents. The following table summarizes the existing and proposed restrictions:

DWR Restrictions 2014 and 2015 Mandates	District Conservation Code
Prohibits watering landscapes in a manner that allows excessive run off	Stage I: Excessive Flow not allowed over impervious surfaces or adjacent property
Prohibits using a hose to wash a motor vehicle, unless the hose is fitted with a shut-off nozzle	Stage I: Hoses shall not be used for any purpose without an automatic shut off device; may not be left unattended
Requires restaurants and food service establishments to only serve water upon request	Stage I: Food and Beverage Establishments should encourage serving water to customers only when requested
	Stage I: Leaks, District customers shall repair leaks in plumbing and irrigation systems within 10 days
	Stage I: Undeveloped Property, prohibits irrigation of vacant lots unless required by code
Prohibits the application of water to any driveway or sidewalk	Stage II: Hardscapes, prohibits washing driveways, parking areas, tennis courts, decks, patios except for maintenance or health hazards
Prohibits the use of potable water in an ornamental fountain without re-circulation	Stage II: Additional requirement to post a notice that the fountain uses recirculation
Requires Hotels and Motels to provide guests with the option of not laundering towels and linens	Stage II: Lodging Facilities must post water conservation literature in each room
Limits watering of ornamental turf and landscapes to 2 times per week	Stage II: Outdoor Irrigation is limited to 3 times per week, 1 hour per zone, odd/even designation, no mid-day watering
Installation of new landscape is prohibited unless drip or micro spray is utilized	Stage II: Installation of new landscaping is prohibited
	Stage II: Prohibits filling swimming pools that are not covered during periods of non-use
	Stage II: Fire Hydrants, limits hydrant flushing and construction water for dust control
Prohibits outdoor irrigation during and within 48 hours following measurable precipitation	NEW
Bans watering of ornamental grass on public streets and medians	NA

Under the 2014 State guidelines, the District conservation code was deemed to be more restrictive and therefore compliant. Under the 2015 proposed restrictions, the District may be required to implement mandatory 2 day a week watering and add the restriction on watering during and after precipitation or implement steps to reduce water consumption by 20% to 25% and report to the state.

The Governors mandate will take effect for 270 days (9 months) and includes requirements for schools, golf courses, cemeteries and other large landscapes such as parks to reduce irrigation use. It implements turf reduction incentives and provides rebates for replacing old appliances.



Fact Sheet

GENERAL INFORMATION

MANDATORY RESTRICTIONS TO ACHIEVE A 25% STATEWIDE REDUCTION IN POTABLE URBAN WATER USE

With California facing one of the most severe droughts on record, Governor Brown declared a drought State of Emergency in January 2014 and issued a series of Executive Orders in April and September 2014 and January 2015, that streamline the State's drought response and makes California more drought resilient for the future.

The April 2014 Executive Order asked the State Water Board to assess voluntary conservation levels for urban water agencies and granted authority to adopt emergency conservation regulations, which the Board did in July of 2014 and updated in March of 2015. With the lowest snowpack on record and a lack of sufficient conservation to deal with the continuing drought emergency, the Governor, on April 1, 2015, directed the State Water Board to implement mandatory water reductions in urban areas to reduce potable urban water usage by 25 percent statewide. He also directed that this regulation take into account the different levels of conservation already achieved by communities based upon their relative per capita water usage.

This savings amounts to approximately 1.3 million acre-feet of water over the next nine months, or nearly as much water as is currently in Lake Oroville. To achieve these savings, the State Water Board is expediting an emergency regulation to set usage targets for communities around the State.

The Board's task is to implement a regulation which is equitable, achievable, and enforceable for every urban water supplier in the state, and which can be implemented quickly given the state of the drought and the uncertainty of when it will end. To maximize input in a short amount of time, the Board began discussions with water suppliers, stakeholder groups, and others to solicit feedback on approach on the day that the Executive Order was issued.

On April 7, 2015, the Board released a draft framework and received more than 250 comments. Suggestions from the comments were incorporated into the draft regulation issued on April 17, 2015. The Board is soliciting additional comment on the draft regulation by April 22. The draft regulation will be further refined based on comments received and the Notice of Proposed Emergency Rulemaking and accompanying documents will be released on April 28th for public comment and consideration by the Board at its May 5-6, 2015 meeting.



Content of Emergency Regulation

This emergency regulation will address the following provisions of the April 1, 2015 [Executive Order](#) :

- Ordering Provision 2: Mandatory 25% reduction in potable urban water use with recognition of past conservation achievements;
- Ordering Provision 5: Reductions in potable water use at commercial, industrial and institutional properties;
- Ordering Provision 6: Prohibition on using potable water for irrigation of ornamental turf in street medians; and
- Ordering Provision 7: Prohibition on using potable water for irrigation outside of new home construction without drip or microspray systems.

This emergency regulation does not address rate structures and other pricing mechanisms required by Ordering Provision 8, which will be developed separately.

Schedule for Adoption and Implementation of the Emergency Regulation

Stakeholder comments on the proposed emergency regulation must be submitted by **Wednesday April 22, 2015**. Staff will use those comments to finalize the draft emergency regulation, which will be published on April 28, 2015, along with supporting documents. Final public comment on the emergency regulation can be made at the Board meeting on May 5, 2015. The specific prohibitions in the emergency regulation will take effect immediately upon approval by the Office of Administrative Law. Urban water suppliers will be expected to begin implementing measures to meet their mandatory reduction targets by June 1, 2015 to ensure maximum conservation during the summer months. The schedule is listed below.

- | | |
|---|----------------|
| • Notice announcing release of draft regulation for informal public comment | April 17, 2015 |
| • Deadline for comment on draft regulation | April 22, 2015 |
| • Formal Notice of Proposed Rulemaking and written comment period | April 28, 2015 |
| • Board hearing and adoption | May 5-6, 2015 |
| • Office of Administrative Law approval | May 15, 2015 |
| • Specific prohibitions become effective | May 15, 2015 |
| • First (June) report on water production and other conservation measures due | July 15, 2015 |

How to Provide Input

Information including discussion drafts, draft regulations and related materials is available on the State Water Board's website at:

http://www.waterboards.ca.gov/waterrights/water_issues/programs/drought/emergency_mandatory_regulations.shtml .

Written comment and questions can be sent to Jessica Bean at jessica.bean@waterboards.ca.gov .