



**SANTA CLARITA VALLEY WATER AGENCY
REGULAR BOARD MEETING AGENDA**

**SANTA CLARITA VALLEY WATER AGENCY
RIO VISTA WATER TREATMENT PLANT
BOARD AND TRAINING ROOM
27234 BOUQUET CANYON ROAD
SANTA CLARITA, CA 91350**

TUESDAY, MARCH 3, 2020 AT 6:30 PM

6:00 PM DISCOVERY ROOM OPEN TO PUBLIC

Dinner for Directors and staff in the Discovery Room
there will be no discussion of Agency business taking place prior to the
Call to Order at 6:30 PM.

OPEN SESSION BEGINS AT 6:30 PM

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. PUBLIC COMMENTS – Members of the public may comment as to items not on the Agenda at this time. Members of the public wishing to comment on items covered in this Agenda may do so now or at the time each item is considered. Please complete and return a comment request form to the Agency Board Secretary. (Comments may, at the discretion of the Board’s presiding officer, be limited to three minutes for each speaker.) Members of the public wishing to comment on items covered in Closed Session before they are considered by the Board must request to make comment at the commencement of the meeting at 6:30 PM.

4. APPROVAL OF THE AGENDA

5. CONSENT CALENDAR

PAGE

5.1. *	Approve Minutes of the February 11, 2020 Santa Clarita Valley Water Agency Special Board of Directors Meeting	5
5.2. *	Approve Minutes of the February 18, 2020 Santa Clarita Valley Water Agency Regular Board of Directors Meeting	7
5.3. *	Approve Receiving and Filing of December 2019 Monthly Financial Report	65

6. ACTION ITEMS FOR APPROVAL

PAGE

6.1. *	Approve a Community Facility District Policy	123
6.2. *	Approve Purchasing of Treatment Media for the N Wells PFAS Groundwater Treatment Project	129

7. GENERAL MANAGER’S REPORT ON ACTIVITIES, PROJECTS AND PROGRAMS

8. COMMITTEE MEETING RECAP REPORTS FOR INFORMATIONAL PURPOSES ONLY PAGE

8.1. *	February 6, 2020 Engineering and Operations Committee Meeting Report	131
8.2. *	February 12, 2020 Water Resources and Watershed Committee Meeting Report	135
8.3. *	February 20, 2020 Public Outreach and Legislation Committee Meeting Report	139

9. WRITTEN REPORTS FOR INFORMATIONAL PURPOSES ONLY PAGE

9.1. *	Engineering Services Section Report	143
9.2. *	Finance, Administration and Information Technology Section Report	151
9.3. *	Treatment, Distribution, Operations and Maintenance Section Report	155
9.4. *	Water Resources and Outreach Section Report	165
9.5. *	Committee Planning Calendars	171

10. PRESIDENT’S REPORT

11. AB 1234 WRITTEN AND VERBAL REPORTS PAGE

11.1.*	February 12, 2020 ACWA Water Quality Committee Meeting – Director Plambeck	187
11.2.*	February 19-21, 2020 Urban Water Institute Conference – President Martin and Directors Atkins and Mortensen	189
11.3.	Other AB 1234 Reports	

12. DIRECTOR REPORTS

13. DIRECTOR REQUESTS FOR APPROVAL FOR EVENT ATTENDANCE

14. REQUESTS FOR FUTURE AGENDA ITEMS

15. ADJOURNMENT

* Indicates Attachment

◆ Indicates Handout

Note: The Board reserves the right to discuss or take action or both on all of the above agenda items.

NOTICES

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning April Jacobs, Secretary to the Board of Directors, at (661) 297-1600, or in writing to Santa Clarita Valley Water Agency at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.

Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on February 26, 2020.

MBS

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Minutes of the Special Meeting of the Board of Directors of the Santa Clarita Valley Water Agency – February 11, 2020

A special meeting of the Board of Directors of the Santa Clarita Valley Water Agency was held at the Santa Clarita Valley Water Agency, 27234 Bouquet Canyon Road, Santa Clarita, CA 91350, at 6:00 PM on Tuesday, February 11, 2020. A copy of the Agenda is inserted in the Minute Book of the Agency preceding these minutes.

DIRECTORS PRESENT: B. J. Atkins, Tom Campbell (Arrived at 6:10 PM), Ed Colley, Kathy Colley, Robert DiPrimio, Jeff Ford, Jerry Gladbach, Maria Gutzeit, R. J. Kelly, Gary Martin, Dan Mortensen and Lynne Plambeck.

DIRECTORS ABSENT: William Cooper.

Also present: Matthew Stone, General Manager; Joe Byrne, General Counsel; April Jacobs, Board Secretary; Steve Cole, Assistant General Manager; Brian Folsom, Chief Engineer; Eric Campbell, Chief Financial and Administrative Officer; Keith Abercrombie, Chief Operating Officer; Rochelle Patterson, Director of Finance and Administration; Mike Alvord, Director of Operations and Maintenance; Dirk Marks, Director of Water Resources; Cris Perez, Director of Tech Services; Kathie Martin, Public Information Officer; Ed Means, Means Consulting; and member(s) of the public.

President Martin called the meeting to order at 6:03 PM. A quorum was present.

Upon motion of Director Gladbach, seconded by Director K. Colley and carried, the Agenda was approved by the following voice votes (Item 4):

Director Atkins	Yes	Director Campbell	Not Present
Director E. Colley	Yes	Director K. Colley	Yes
Director Cooper	Absent	Director DiPrimio	Yes
Director Ford	Yes	Vice President Gladbach	Yes
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

Review and Discussion of the Strategic Plan was facilitated by Ed Means who reviewed Goal highlights and FY 2020/21 focus areas (Item 5).

Upon motion of Director Mortensen, seconded by Director Atkins and carried, the meeting was adjourned at 7:19 PM by the following voice votes (Item 6):

Director Atkins	Yes	Director Campbell	Yes
Director E. Colley	Yes	Director K. Colley	Yes
Director Cooper	Absent	Director DiPrimio	Yes
Director Ford	Yes	Vice President Gladbach	Yes
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

April Jacobs, Board Secretary

ATTEST:

President of the Board

Minutes of the Regular Meeting of the Board of Directors of the Santa Clarita Valley Water Agency – February 18, 2020

A regular meeting of the Board of Directors of the Santa Clarita Valley Water Agency was held at the Santa Clarita Valley Water Agency located at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350 at 6:30 PM on Tuesday, February 18, 2020. A copy of the Agenda is inserted in the Minute Book of the Agency preceding these minutes.

DIRECTORS PRESENT: B. J. Atkins, Kathy Colley, William Cooper, Jeff Ford, Maria Gutzeit, R. J. Kelly, Gary Martin, Dan Mortensen and Lynne Plambeck.

DIRECTORS ABSENT: Tom Campbell, Ed Colley, Robert DiPrimio and Jerry Gladbach.

Also present: Matthew Stone, General Manager; Tom Bunn, General Counsel; April Jacobs, Board Secretary; Steve Cole, Assistant General Manager; Brian Folsom, Chief Engineer; Eric Campbell, Chief Financial and Administrative Officer; Keith Abercrombie, Chief Operating Officer; Rochelle Patterson, Director of Finance and Administration; Brent Payne, Principal Engineer; Jason Yim, Principal Engineer; Amy Aguer, Controller; Kathie Martin, Public Information Officer; Craig Larsen, IT Technician; Kyle Arnold, Accounting Technician I; Terri Bell, Administrative Assistant; Lutfi Kharuf, Best Best and Krieger (Via Conference Line); and members of the public.

President Martin called the meeting to order at 6:32 PM. A quorum was present.

Upon motion of Director K. Colley, seconded by Director Atkins and carried, the Agenda was approved by the following electronic votes (Item 4):

Director Atkins	Yes	Director Campbell	Absent
Director E. Colley	Absent	Director K. Colley	Yes
Director Cooper	Yes	Director DiPrimio	Absent
Director Ford	Yes	Vice President Gladbach	Absent
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

Upon motion of Director Cooper, seconded by Director K. Colley and carried, the Board approved the Consent Calendar by the following electronic votes (Item 5):

Director Atkins	Yes	Director Campbell	Absent
Director E. Colley	Absent	Director K. Colley	Yes
Director Cooper	Yes	Director DiPrimio	Absent
Director Ford	Yes	Vice President Gladbach	Absent
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

Upon motion of Director Mortensen, seconded by Director Cooper and carried, the Board approved Resolution No. SCV-139 revising the Facility Capacity Fees based on the 80%

confidence level as presented in the attached Administrative Record report dated January 2020 by the following electronic votes (Item 6.1):

Director Atkins	Yes	Director Campbell	Absent
Director E. Colley	Absent	Director K. Colley	Yes
Director Cooper	Yes	Director DiPrimio	Absent
Director Ford	Yes	Vice President Gladbach	Absent
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	No		

RESOLUTION NO. SCV-139

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SANTA CLARITA VALLEY WATER AGENCY REVISING THE RATES OF FACILITY CAPACITY FEES

WHEREAS, pursuant to California Government Code Section 66013, the Santa Clarita Valley Water Agency (the "Agency") is authorized to establish and impose facility capacity charges for public facilities in existence at the time a charge is imposed or for new public facilities to be acquired or constructed in the future that are of proportional benefit to the person or property being charged, including supply or facility capacity contracts for rights or entitlements, real property interests, and entitlements and other rights of the local agency involving capital expense relating to its use of existing or new public facilities; and

WHEREAS, California Government Code Section 66013 provides that when a local agency imposes facility capacity fees, those fees shall not exceed the estimated reasonable cost of providing the service for which the charge is imposed; and

WHEREAS, the Agency has conducted a rate study and cost of service analysis regarding the appropriate levels for facility capacity fees, and has consulted with Ratepayer Advocate pursuant to SB634 in regards to these facility capacity fees, and the study has been available for public inspection for at least 10 days prior to this meeting; and

WHEREAS, the Agency Board of Directors has reviewed the data and recommendations in the study and has determined that: (1) the rates for the facility capacity fees do not exceed the estimated reasonable cost of the services and facilities for which a facility capacity charge will be imposed; and (2) the allocation of those costs are fair or reasonable in relationship to the burdens on, or benefits that those who pay a facility capacity charge will receive from such services and facilities; and

WHEREAS, the Agency now wishes to adopt the facility capacity fees recommended in the study, which shall be imposed on any person, firm, corporation or other entity that requests a water connection, or wishes to upsize an existing water connection.

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Santa Clarita Valley Water Agency as follows:

1. The forgoing Recitals are true and correct and by this reference are incorporated herein and made an operative part hereof.

2. A facility capacity charge(s), as established from time-to-time by a resolution of the Board of Directors, shall be paid by any person, firm, corporation or other entity (collectively a Developer) within a WSA when:
 - (a) any Developer requests a new water connection; or
 - (b) any Developer wishes to upsize an existing water connection.
3. The facility capacity fees are hereby adopted in the amounts set forth below, effective on February 19, 2020:

Proposed Fees based on 1" as a base

Line	Meter Size	Meter Ratio	WSA 1	WSA 2	WSA 3	WSA 4
1	5/8"	0.40	\$3,950	\$5,967	\$3,306	\$5,656
2	3/4"	0.60	\$5,925	\$8,951	\$4,958	\$8,484
3	1"	1.00	\$9,874	\$14,918	\$8,264	\$14,140
4	1-1/2"	2.00	\$19,749	\$29,835	\$16,528	\$28,279
5	2"	3.20	\$31,598	\$47,737	\$26,445	\$45,247
6	2-1/2"	4.60	\$45,422	\$68,621	\$38,015	\$65,043
7	3"	6.00	\$59,246	\$89,506	\$49,585	\$84,838
8	4"	10.00	\$98,743	\$149,177	\$82,642	\$141,397
9	6"	20.00	\$197,486	\$298,354	\$165,283	\$282,795
10	8"	32.00	\$315,977	\$477,366	\$264,453	\$452,471
11	10"	46.00	\$454,218	\$686,214	\$380,151	\$650,427
12	12"	86.00	\$849,189	\$1,282,922	\$710,718	\$1,216,017

The facility capacity charge(s) shall be due and payable, unless otherwise provided for by a resolution of the Board of Directors, at the time the building permit fees are paid, or if a building permit is not required, at the time the retailer's water connection fees must be paid for the new or upsized water meter. In any case, the water facility capacity charge(s) must be paid before the new construction, the addition of any type of dwelling, commercial or industrial unit or units, or the conversion of a portion of any dwelling, commercial or industrial unit or units is completed, as applicable.

4. Commencing July 1, 2020, and each July 1 thereafter, the Agency shall be authorized to increase the facility capacity charge set forth in section 3 above by the change in the Engineering News-Record Construction Cost Index (20-Cities Average) to account for future construction cost inflation; provided, however, such adjustment shall not result in a change to construction costs of greater than 3% or a reduction of more than 3% and not result in the facility capacity charge exceeding the estimated reasonable cost of providing the service for which the facility capacity charge is imposed.
5. The determination of whether new or a larger water meter is required to serve a property shall be determined in accordance with the Agency's current policies and procedures.

6. If any section, subsection, clause or provision in this Resolution or the application thereof to any person or circumstances is for any reason held invalid, the validity of the remainder of this Resolution or the application of such provisions to other persons or circumstances shall not be affected thereby. The Board hereby declares that it would have passed this Resolution and each section, subsection, sentence, clause or phrase thereof irrespective of the fact that one or more sections, subsections, sentences, clauses or phrases or the application thereof to any person or circumstance be held invalid.
7. The Agency staff is hereby authorized and directed to develop such forms and procedures as may be necessary to implement this Resolution.
8. As of the effective date, this Resolution shall supersede and otherwise control over the provisions of any other Resolution or policy which may be in conflict with the provisions of this Resolution.

Upon motion of Director Mortensen, seconded by Director Atkins and carried, the Board approved the DLT Solutions, LLC Price Quotation for Oracle Enterprise Performance Management Enterprise Cloud Service in the amount of \$1,166,243.18 for a 60-month (5-year) term by the following electronic votes (Item 6.2):

Director Atkins	Yes	Director Campbell	Absent
Director E. Colley	Absent	Director K. Colley	Yes
Director Cooper	Yes	Director DiPrimio	Absent
Director Ford	Yes	Vice President Gladbach	Absent
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

Upon motion of Director Cooper, seconded by Director K. Colley and carried, the Board authorized the General Manager to execute a work authorization for a not-to-exceed amount of \$90,000 for Kennedy/Jenks Consultants to provide preliminary design services and file a Notice of Exemption for the proposed action by the following electronic votes (Item 6.3):

Director Atkins	Yes	Director Campbell	Absent
Director E. Colley	Absent	Director K. Colley	Yes
Director Cooper	Yes	Director DiPrimio	Absent
Director Ford	Yes	Vice President Gladbach	Absent
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

General Manager’s Report on Activities, Projects and Programs (Item 7).

The General Manager reported on his presentation to the City of Santa Clarita Management Team regarding SCV Water’s Strategic Plan on February 10, 2020. The City is updating their plan and were curious about SCV Water’s process and insights. He noted that one key thing we

continue to try to do is find ways to broaden the input to the plan across the organization as well as awareness of our key plan goals.

He thanked the Board for their engagement and participation in the SCV Water Strategic Plan Workshop on February 11, 2020 which focused on the Strategic Plan and the review of key focus areas for the coming year. He thanked the staff and consultant Ed Means for developing the materials for this workshop.

He mentioned the upcoming Urban Water Institute Conference that is being held February 18-20, 2020 in Palm Springs and how he will be taking part in a panel discussion on "Making the Impossible, Possible: Rethinking Institutional and Regulatory Challenges to Drive Success". Four agencies will present their challenging projects or issues and discuss key success factors. He will speak about the effort to resolve conflict and the team effort that has brought forth a unified SCV Water Agency.

He updated the Board on this week's SCV community relying on the local stored water supply as well as groundwater during a planned shutdown at Castaic Lake by DWR from February 18-22, 2020. This is the annual maintenance of the Department of Water Resources (DWR). DWR will be replacing a 132-inch (11-foot) diameter valve at Castaic Lake. Customers were notified and reminders are posted on the SCV Water website regarding the shutdown. Outreach was also completed with the valley's key irrigators. He advised the Board that customers were asked to voluntarily shut off their outdoor irrigation this week.

He gave a quick update on the State of California releasing revised Response Level criteria for both PFAS and PFOA last week. The criteria measures against a four-quarter running average, with a new sampling order expected from Division of Drinking Water in the near future. Since the Agency has collected two quarters of data already on a voluntary basis, we will utilize that data and remove wells from service when the four-quarter average exceeds the RL. As a reminder, the RL is a threshold that requires that an agency either remove the source from service, blend with another source to reduce the contaminant concentration, or issue a system wide notification to all customers as well as local government bodies. Thus far with PFAS, the Agency has opted to remove sources from service (with later addition of treatment before returning them to service). He acknowledged SCV Water's cross organizational PFAS Strike Team effort (in addition to ongoing efforts to address Perchlorate and VOC's). Staff have worked exceedingly well together to find creative and innovative solution approaches, and to develop sound information for communication efforts.

Committee Meeting Recap Reports (Item 8).

There was no discussion.

President's Report (Item 9).

President Martin announced that at the recent Strategic Planning Board Workshop, Director E. Colley asked that the Board consider reviewing and setting forth its policy on the ongoing financial integration of the Agency. He mentioned that he will convene an Ad Hoc Committee to discuss and develop a policy proposal that can be brought to the Board for consideration at a

future meeting. The Ad Hoc Committee will consist of the original NCWD/CLWA Ad Hoc Committee members, Directors Cooper, DiPrimio, Mortensen and Gutzeit with the addition of himself. Support staff will be Matt Stone, Steve Cole, Eric Campbell and Rochelle Patterson, as well as legal counsel. He also mentioned upcoming conferences that Directors may want to participate in.

AB 1234 Reports (Item 10).

President Martin reported that he participated in a conference call (webinar) with the ACWA Groundwater Committee on February 11, 2020 and attended the Valley Industry Association's monthly luncheon held at the Hyatt Regency on February 18, 2020.

Director Atkins reported that he participated in a conference call (webinar) with the ACWA Water Quality Committee on February 12, 2020 and attended the Valley Industry Association's monthly luncheon held at the Hyatt Regency on February 18, 2020.

Director Cooper reported that he attended the ACWA Region 8 Board meeting at Metropolitan Water District Headquarters in Los Angeles on February 5, 2020.

Director Kelly reported that he participated on a conference call (webinar) with the ACWA Business Development Committee on February 12, 2020.

Director Plambeck reported that she participated in conference calls (webinars) with the ACWA Groundwater Committee on February 11, 2020 and the ACWA Water Quality Committee on February 12, 2020.

There were no further AB 1234 Reports.

Director Reports (Item 11).

Director Kelly thanked the Directors who voted for him to attend the ACWA 2020 Spring Conference coming up in May 2020.

There were no other Director reports.

Director Requests for Approval for Event Attendance (Item 12).

There were no Director requests for event attendance.

Request for Future Agenda Items (Item 13).

There were no requests for future agenda items.

Upon motion of Director Mortensen, seconded by Director Atkins and carried, the meeting was adjourned at 7:47 PM by the following electronic votes (Item 14):

Director Atkins	Yes	Director Campbell	Absent
Director E. Colley	Absent	Director K. Colley	Yes
Director Cooper	Yes	Director DiPrimio	Absent
Director Ford	Yes	Vice President Gladbach	Absent
Vice President Gutzeit	Yes	Director Kelly	Yes
President Martin	Yes	Director Mortensen	Yes
Director Plambeck	Yes		

April Jacobs, Board Secretary

ATTEST:

President of the Board

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SANTA CLARITA VALLEY WATER AGENCY

2019 Facility Capacity Fee Study **ADMINISTRATIVE RECORD**

January 2020

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TABLE OF CONTENTS

1	Executive Summary	1
1.1	Study Overview	1
1.2	Principles and Methodology	3
1.3	Components of FCF Calculation	6
2	Determination of Remaining Growth in Demand	7
2.1	Introduction	7
2.2	Current Demand Forecast	7
2.3	Growth by Water Service Area (WSA)	9
3	Determination of Equivalent Meter Units (EMU)	11
3.1	Alternative Approaches and Assumptions	11
3.2	EMU at Buildout	11
3.3	Change in Proportionate Mix of Smaller Meter Connection Sizes	12
3.4	Levels of Confidence and EMU Count	13
4	Cost Allocation Methodology	15
4.1	Introduction	15
4.2	Cost Types	15
4.3	Cost Allocation Between Current and Future Users	15
4.4	Cost Category	16
5	Existing Debt Service	17
5.1	Introduction	17
5.2	Allocation to Growth	17
6	Future Debt Service	20
6.1	Introduction	20
6.2	Capital Expenditure Plan	22
6.3	Project Finance	24
6.4	Cost Allocation	25
7	BV/RRB Supply	29
7.1	Introduction	29
7.2	Cost Allocation	29
8	Recycled Water	32
8.1	Introduction	32

8.2	Cost Allocation	32
9	Fee Calculation	34
9.1	Introduction	34
9.2	Recommended Fees	35
10	Conclusion	37
	Appendix	39

LIST OF TABLES

Table 1-1: Current and Proposed Facility Capacity Fees	2
Table 1-2: Proposed Changes to Facility Capacity Fees	2
Table 2-1: Current, Future, and Total Demand	7
Table 2-2: Most Recent Five-Year Historical Average Demand	7
Table 2-3: Santa Clarita Valley Annual Water Demand 1980-2018	8
Table 2-4: Forecasted Growth Factor by WSA	9
Table 2-5: Projected Growth in Demand and EMUs at Buildout	10
Table 3-1: EMU/Population at Buildout	12
Table 3-2: Comparison of Meter Mix: Current Count vs Buildout Forecast	12
Table 3-3: Parameters of Change in Meter Growth for 5/8", 3/4", 1" Meters	12
Table 3-4: Changing Count of 5/8", 3/4", 1" Meters at Buildout	13
Table 3-5: Summary: Quantities of Change in Meter Size	13
Table 3-6: Levels of Confidence, Fees, and Number of EMUs	14
Table 4-1: Current, Future and Total Demand	15
Table 5-1: Existing Debt Service (Principal and Interest) by Obligation	17
Table 5-2: Existing Annual Principal and Interest Cost Attributable to Growth	18
Table 5-3: Existing Cost Category Allocation Factors	18
Table 5-4: Existing Debt Service Allocated to Cost Categories	19
Table 6-1: Construction Projects, Timing of Construction, Cost, Allocation to Growth	21
Table 6-2: Timing of Capital Project Expenditure FY2020-2027	23
Table 6-3: Historic 30YR Bond AA Rated Interest Rates	24
Table 6-4: Project Financing Requirements Forecast FY2020-FY2035	25
Table 6-5: Allocation of Project Costs to Growth	26
Table 6-6: Timing of Project Costs FY2020-FY2027 Attributable to Growth	27
Table 6-7: Debt Service Allocation to Growth	28
Table 7-1: BV/RRB Cost Allocation	31
Table 8-1: Cost Allocation Factors for Recycled Water	32
Table 8-2: Recycled Water Project Cost Allocation	32
Table 9.1: Summary of Cost Allocation Factors	34
Table 9-2: Summary of Revenue Requirements	35
Table 9-3: Summary of Cost Allocations	35
Table 9-4: Revenue Requirement and Proposed Base Fee by WSA	35
Table 9-5: Proposed Facility Capacity Fee Table	36

LIST OF FIGURES

Figure 1-1: FCF Model Results for WSA1, 1" Meter Pricing	5
Figure 2-1: Summary Comparison of Alternative Methods of Forecasting Demand for 2020	9
Figure 4-4: Cost Allocation Flow Diagram	16
Figure 6-1: Capital Plan Timing	22
Figure 6-2: Interest Rate Simulation Results	24

1 EXECUTIVE SUMMARY

1.1 STUDY OVERVIEW

In January 2019, the Santa Clarita Valley Water Agency kicked off its Regional Facility Capacity Fee (“FCF”) Update Study with a meeting of key stakeholders. The key stakeholders met seven times during the updating of the FCF study to discuss critical inputs such as capital projects, growth in demand, construction cost inflation, and cost allocation. The key stakeholders that participated in these meetings were representatives of:

- Santa Clarita Valley Chamber of Commerce
- Santa Clarita Valley Economic Development Corporation
- Los Angeles/Ventura Chapter of the Building Industry Association of Southern California (BIA-LAV)
- FivePoint Holdings
- JSB Development

The major objectives of this update study of the FCF included the following:

1. Reviewing the FCF calculation methodology
2. Ensuring adequate recovery of system build-out costs
3. Establishing a nexus between proposed FCFs and the Agency’s costs
4. Developing an administrative record

This record provides documentation of the work performed to update the Agency’s Regional FCFs and enables readers to understand the connection and consideration to fee setting guiding principles of reasonableness and fairness in Staff’s analysis. This document contains information regarding the methodology, assumptions, and cost allocations as well as the recommended FCFs to become effective upon Board approval. The fees developed in this study comply with the requirements of the California State Assembly Bill 1600 (AB 1600), Government Code §66013, and Proposition 26.

Table 1-1 Contains the current FCFs and the proposed FCFs that are documented in this record. The current fees were adopted in 2017 and effective January 1, 2018. Subsequently SCV Water and the BIA-LAV met and conferred and entered into a settlement agreement in July, 2018 which, among other things, adjusted the meter ratio and fee calculation for 5/8-inch and 3/4-inch meters. Those fees are reflected as the current fees. Table 1-2 summarizes the amount of change for each FCF between current and proposed values.

Table 1-1 Current and Proposed Facility Capacity Fees

Meter Size	Meter Ratio	WSA 1		WSA 2		WSA 3		WSA 4	
		Current Fee	Proposed Fee	Current Fee	Proposed Fee	Current Fee	Proposed Fee	Current Fee	Proposed Fee
5/8"	0.40	\$4,590	\$3,950	\$6,450	\$5,967	\$3,898	\$3,306	\$7,277	\$5,656
3/4"	0.60	\$6,886	\$5,925	\$9,674	\$8,951	\$5,847	\$4,958	\$10,915	\$8,484
1"	1.00	\$11,476	\$9,874	\$16,124	\$14,918	\$9,745	\$8,264	\$18,192	\$14,140
1-1/2"	2.00	\$22,952	\$19,749	\$32,248	\$29,835	\$19,489	\$16,528	\$36,384	\$28,279
2"	3.20	\$36,723	\$31,598	\$51,597	\$47,737	\$31,183	\$26,445	\$58,215	\$45,247
2-1/2"	4.60	\$52,789	\$45,422	\$74,171	\$68,621	\$44,826	\$38,015	\$83,684	\$65,043
3"	6.00	\$68,856	\$59,246	\$96,745	\$89,506	\$58,468	\$49,585	\$109,153	\$84,838
4"	10.00	\$114,760	\$98,743	\$161,242	\$149,177	\$97,447	\$82,642	\$181,922	\$141,397
6"	20.00	\$229,519	\$197,486	\$322,484	\$298,354	\$194,894	\$165,283	\$363,843	\$282,795
8"	32.00	\$367,230	\$315,977	\$515,974	\$477,366	\$311,831	\$264,453	\$582,149	\$452,471
10"	46.00	\$527,894	\$454,218	\$741,713	\$686,214	\$448,257	\$380,151	\$836,840	\$650,427
12"	86.00	\$986,932	\$849,189	\$1,386,680	\$1,282,922	\$838,045	\$710,718	\$1,564,527	\$1,216,017

Table 1-2 Proposed Changes to Facility Capacity Fees

Meter Size	Meter Ratio	Change in Fee Schedule			
		WSA 1	WSA 2	WSA 3	WSA 4
5/8"	0.40	(\$931)	(\$941)	(\$851)	(\$2,054)
3/4"	0.60	(\$1,397)	(\$1,411)	(\$1,277)	(\$3,080)
1"	1.00	(\$2,328)	(\$2,353)	(\$2,128)	(\$5,134)
1-1/2"	2.00	(\$4,655)	(\$4,705)	(\$4,256)	(\$10,267)
2"	3.20	(\$7,448)	(\$7,528)	(\$6,810)	(\$16,428)
2-1/2"	4.60	(\$10,707)	(\$10,822)	(\$9,790)	(\$23,615)
3"	6.00	(\$13,966)	(\$14,116)	(\$12,769)	(\$30,802)
4"	10.00	(\$23,276)	(\$23,526)	(\$21,282)	(\$51,337)
6"	20.00	(\$46,552)	(\$47,052)	(\$42,563)	(\$102,673)
8"	32.00	(\$74,483)	(\$75,284)	(\$68,101)	(\$164,277)
10"	46.00	(\$107,070)	(\$108,220)	(\$97,895)	(\$236,148)
12"	86.00	(\$200,174)	(\$202,325)	(\$183,021)	(\$441,495)

1.2 PRINCIPLES AND METHODOLOGY

The primary economic principle behind the proposed fees is that “growth-should-pay-for-growth.” The costs of providing water service should be paid for by those that benefit from the service, which is reflected in the FCFs that provide access to water for new development. The Agency is required to build new facilities to provide additional capacity for new development, and therefore, new users should pay for their fair share of these costs. The principle is summarized in the American Water Works Association (AWWA) *Manual M26: Water Rates and Related Charges*, as follows:

*“The purpose of designing customer-contributed [facility capacity fees] is to **prevent or reduce** the inequity to existing customers that results when these customers must pay the increase in water rates that are needed to pay for added plant costs for new customers. Contributed capital reduces the need for new outside sources of capital, which ordinarily has been serviced from the revenue stream. Under a system of contributed capital, many water utilities are able to finance required facilities by use of a ‘growth-pays-for-growth’ policy.”*

It is important to keep in mind that this is a principle; strictly adhering to this on an annual basis is not realistic given the degree of certainty of the timing of expenditure and the comparative uncertainty of the timing of the revenue generation. The guiding principles in FCF setting are reasonableness and fairness. With periodic updates to this Study, the Agency will collect a reasonable, though not perfect, amount of FCF for the cost of providing infrastructure for growth. The difficult aspect of settling on a specific set of fees is that the timing of fee revenue (which is influenced by economic, permitting and other factors impacting when new growth occurs over time) and timing of capital facility costs (which may be front loaded since facilities are typically sized for planned future needs and financed over a period of years) will vary. Thus, facility capacity fees will not match capital and debt service obligations on a year to year basis. The timing difference between the Agency incurring costs associated to build infrastructure for growth and the related revenues is one of the financial risks for the Agency. If growth does not occur or is delayed by recession, the Agency will continue to pay debt service on infrastructure that in part is sized for future use. These facts are important and should be considered when settling on the pricing of FCFs.

The primary legal limitation on the Agency’s authority to price its FCFs is the requirement that fees assessed to new development may not exceed the reasonable estimated cost of providing capacity in the system, on a proportionate basis. The Agency must establish a nexus or relationship between the proposed fees for new development and the capital costs required to build the facilities that will serve new customers.

The proposed fees in this study are calculated based on the incremental cost approach, which is typically used in agencies that have little or no capacity available in the current system and require expansion to accommodate growth. The Agency anticipates

significant growth in new development up until system build-out in FY 2050. Without expansion, the Agency will have insufficient system capacity to meet the increase in demand.

The timing difference between cost incurrence and FCF realization has considerable uncertainty associated with it. The cost components included in the fees are only forward facing; this means that annual infrastructure costs associated to growth (debt principal and interest repayment), if not equal to the FCF realized during the year, are funded by other Agency revenues. The amount of the annual difference between FCF revenues and associated costs cannot be fully considered as a component of future FCF updates as the fee per newly developed meter connection would become prohibitive to growth. This fact was given great consideration and led to the development of a financial model that assigns plausible FCF price points with corresponding levels of confidence as to the likelihood that fees would collect the targeted revenue requirement, if all were paid in 2020.

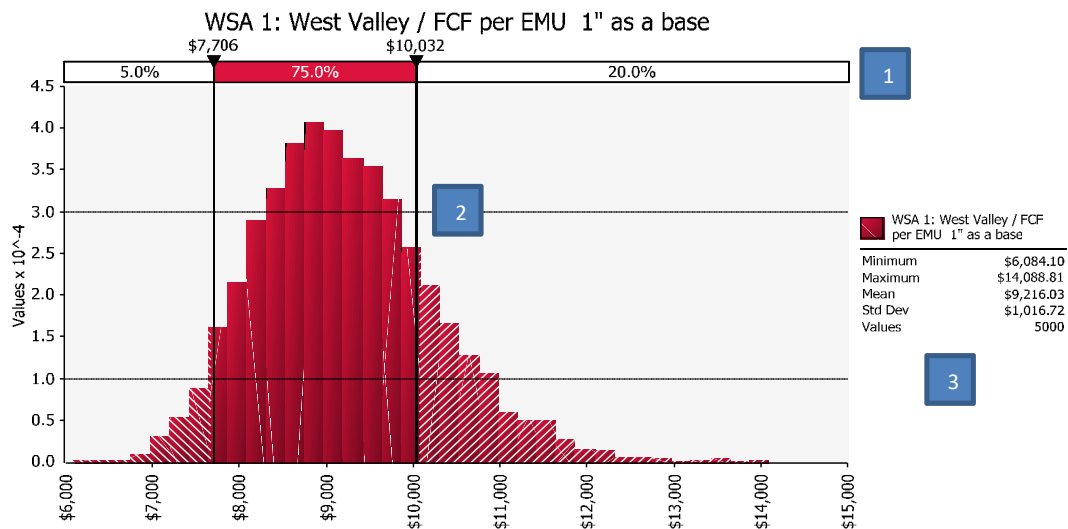
The FCF model was designed to address two of the most uncertain factors required for FCF determination: future interest rates for project financing, and the total number of equivalent meter units (“EMU”) at the completion of buildout (Note that a third factor, the timing of FCF generation is arguably the most uncertain factor but is not addressed in this FCF Update). These factors are documented in detail later in this document. For determining the number of equivalent meter units that would be installed by buildout, the population forecast for 2050 contained in the SCVWA’s current Urban Water Management Plan (UWMP) was used. In addition, two assumptions were made: 1. The ratio of people per EMU that exists today will be unchanged at buildout. 2. The existing proportion of meters by size will remain unchanged at buildout with the exception of the three smallest meter sizes: 5/8-inch, 3/4-inch, and 1-inch. These will change due to issues including building code changes, housing sizes, meter technology, and residential outdoor irrigation practices.

The model was run for 5,000 iterations of random combinations of the two variables. A frequency distribution was created to illustrate the results and is shown as Figure 1. Blue boxes with white numbers 1-3 have been added to Figure 1 to help describe the content.

Box 1 is at the top of the Figure. It is referencing three rectangles at the top of results, called confidence intervals, each with a percentage (5%, 75%, 20%, reading left to right). These are the percentages of the model outputs that occurred up to specific price points. For example, the first confidence interval of 5% has a price point of \$7,706. This means that the lowest 5% of price points (FCF results for WSA 1) occurred at \$7,706 or below. This can be interpreted as follows: Model user would have a 5% level of confidence that base fees of \$7,706 would be sufficient to collect the revenue requirement of WSA 1. There are two more confidence interval settings in Figure 1. A red 75%, which means the model user could be 75% confident that a base price between \$7,706 and \$10,032 (somewhere in that range) would be enough to collect the revenue requirement of WSA 1.

This can also be interpreted as “at 80% level of confidence base fees of \$10,032 would be sufficient to collect the revenue requirement from WSA1. Box 2 is at the 80% confidence interval as 80% of the model results have occurred up to this price point. Box 3 includes a few interesting statistics from the FCF model for a WSA1 base fee. Of the 5,000 random combinations of interest rates and growth in EMUs, the lowest price point derived was \$6,084.10 (Highest volume of growth at lowest possible cost to finance); a maximum price of \$14,088.81 (Lowest volume of growth and highest possible cost to finance); and a mean (average) price of \$9,216.

Figure 1-1 FCF Model Results for WSA1, 1" Meter Pricing



At a very high level, the calculation of FCF for each WSA is as simple formula:

$$\frac{\text{Revenue Requirement}}{\# \text{ of Equivalent Meter Units (EMU)}}$$

Costs types that are included in the FCF Revenue Requirement are:

- a. Existing, remaining debt service that has previously been allocated to growth
- b. Future estimated debt service allocated to growth
- c. Recycled water project costs
- d. Contractual obligations with the Buena Vista Water Storage District and the Rosedale-Rio Bravo Storage District for future water supply to serve growth.

Identified costs are then allocated between current system users and future users (Growth). This is accomplished by updating the current demand forecast and deducting this amount from the demand at buildout as published in the most recent Agency UWMP.

The revenue requirement for each WSA is determined by allocating costs into cost categories:

- a. **General Benefit:** The cost benefits all future users equally
- b. **Recycled Water:** Costs are not allocated to WSA3 as this area is constructing its own source of supply
- c. **Costs to specific WSAs** and costs to WSAs not equal in proportion to all WSAs as in (a.)

1.3 COMPONENTS OF THE FCF CALCULATION

The calculation of FCF requires the following:

1. The amount of demand at buildout, the expected demand for the base year, and the amount of growth in demand through buildout of the service area (Table 2-1)
2. Determination of the number of equivalent meter units at buildout (Section 3)
3. Updating the balance of existing/remaining project finance cost allocated to growth (Table 5-2)
4. List of all construction projects, their timing of construction, cost, and a determination of the percentage of need to serve current customers and future customers (Table 6-1)
5. Development of a project financing schedule including the expectations for future interest rates (Table 6-4)
6. For construction cost allocated to future customers, the costs must then be further assessed to allocate the appropriate amounts to specific Water Service Areas ("WSA"s) (Table 6-5)
7. Updating the remaining balance of the Buena Vista/Rancho Rio Bravo payments (Table 7-1)
8. Calculation of the FCF for the base meter size for each WSA (Section 9)
9. Application of the meter size ratios to the base meter FCF to derive the FCF for each meter size for each WSA (Table 9-5)

2 DETERMINATION OF REMAINING GROWTH

2.1 Introduction

One of the first steps in updating the FCFs is to estimate how much growth in demand is planned. In order to approximate the amount of growth expected to be realized, current demand must be forecast. As the FCFs are to become effective January 1, 2020 a forecast was made for the calendar year 2020. This amount was then subtracted from the published amount of demand at full buildout in 2050 as contained in the Agency's current UWMP. The difference is the amount of growth expected. Current demand and expected growth in demand are then restated in terms of a percentage of demand at full buildout as shown in Table 2-1. These percentages are then used to allocate future major construction work between current and future users.

Table 2-1 Current, Future and Total Demand

Current User Demand	66,131
Future User Demand	27,769
Total Demand 2050 from UWMP	93,900
Current User %	70%
Future User %	30%

2.2 Current Demand Forecast

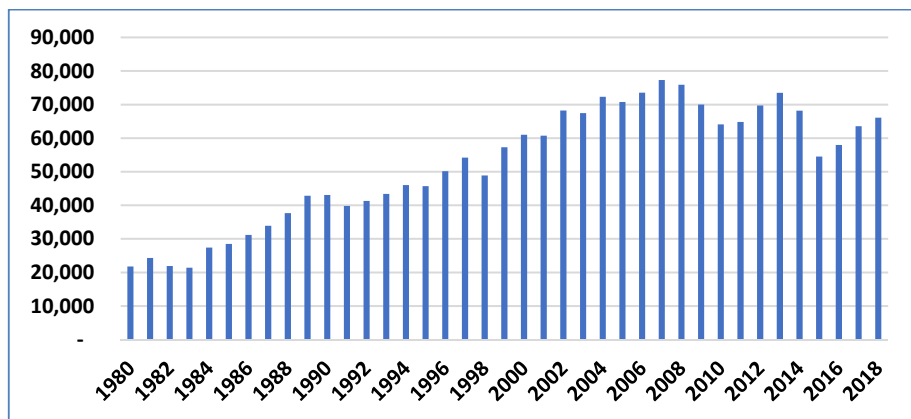
To derive a forecast for current demand, staff first reviewed the prior FCF calculation which used the most recent five-year historical average. Staff does not believe that the most recent five-year historical average is necessarily the best answer due to the large range of actual results in such a short time period. This is shown in Table 2-2

Table 2-2 Most recent five-year historical average demand

Year	Demand (AFY)
2014	68,178
2015	54,491
2016	57,966
2017	63,555
2018	66,082
Average	62,054

Staff then reviewed additional years to gain a better understanding of how demand has been trending in the Santa Clarita Valley. Table 2-3 contains the annual demand for the past 39 years. The data clearly shows the growth in demand over time, but it also shows the recent impact of drought, major economic recession, aggressive efforts to encourage conservation (including a state mandated conservation order that was in effect for portions of 2015 and 2016). For this update, staff prepared a variety of alternative demand forecasts for 2020 and reviewed them with the FCF Stakeholder Working Group to consider.

Table 2-3 Santa Clarita Valley Annual Water Demand 1980-2018

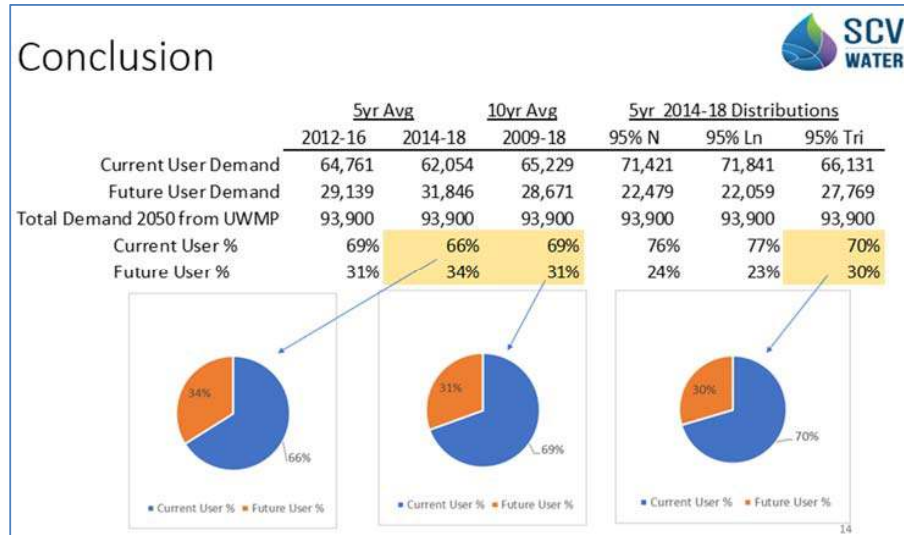


At the February 27, 2019 FCF Stakeholder Working Group Meeting, the following alternative methods to estimate current 2020 demand were presented for the Group to consider:

1. Update to the five-year historical average
2. Use a ten-year historical average
3. Use Monte Carlo simulation (Normal, Log Normal, Triangular distributions)

Figure 2.1 is a summary of these alternatives with the corresponding impact on the amount of remaining growth to buildout. Note that the larger the amount of growth remaining, the larger the amount of General Benefit costs are allocated to growth, resulting in higher FCFs.

Figure 2-1 Summary Comparison of Alternative Methods of Forecasting Demand for 2020



The FCF Stakeholder Working Group indicated a preference for the Monte Carlo simulation method using a Triangular distribution, at the 95% level of confidence. This resulted in a lowering of growth in demand from 31% in the last study to 30% in the current study.

2.3 Growth by WSA

The study involved converting projected growth at system build-out in Acre Feet per Year (“AFY”) to Equivalent Meter Units (“EMU”) for each WSA. The percentage of growth in system demand for each WSA was kept consistent with the last study. Table 2-4 lists the forecasted growth factors that have been carried forward from the previous Study. Using the prior study data is acceptable because the growth in total at buildout is consistent with the Urban Water Management Plan, and there has been no significant changes within any of the WSAs regarding planned projects that would impact the proportion of total growth attributable to each WSA.

Table 2-4 Forecasted Growth Factor by WSA

Forecasted Growth Factor	
WSA	Factor
WSA 1: West Valley	39%
WSA 2: East Valley	14%
WSA 3: Newhall Ranch	46%
WSA 4: Whittaker-Bermite	1%
	<u>100.0%</u>

Table 2-5 shows the growth in AFY and the equivalent growth in EMU for each WSA. The growth factors shown in Table 2-4 were used to create proportionate distribution of both growth in AFY and EMU for each WSA. The projected growth in EMUs are used as the denominator in each WSAs base FCF calculation.

Table 2-5: Projected Growth in Demand and EMUs at Buildout

(A) WSA	(B) Growth in AFY	(C) Growth in EMUs
WSA 1: West Valley	10,875	18,775
WSA 2: East Valley	3,880	6,740
WSA 3: Newhall Ranch	12,805	22,144
WSA 4: Whittaker -Bermite	209	481
Total	27,769	48,140

Sources of data (B) Table 2-1 multiplied by Table 2-4 (C) model forecast

3 DETERMINATION OF EQUIVALENT METER UNITS (EMU)

3.1 Alternative Approaches and Assumptions

An Equivalent Meter Unit (or EMU) is a value that reflects the relative capacity of a meter using a common reference meter size. In this case, a 1-inch meter was used as the reference size, and other meter sizes are adjusted to that equivalent using capacity factors (meter ratios) published by the American Water Works Association (AWWA). For the purposes of FCF determination, the existing inventory of meters and their sizes were translated into total number of EMU. Next, it was necessary to estimate the number of EMU that will exist by the end of buildout. Since there is some degree of uncertainty in the number and sizes of meters that will be added to the Agency's service area by the end of buildout, staff considered alternative approaches before determining the approach to take to forecast the number of EMU at buildout. The first approach reviewed was using the meter count forecast in the UWMP. The second approach was to make key assumptions about growth and model these to derive a result. The UWMP was published in 2015, and staff at the Agency expressed the need to review the methodology and assumptions used four years ago to derive this number, particularly in light of new requirements and development standards affecting future proportionate mix of the smaller meter sizes (5/8-inch, 3/4-inch, and 1-inch) that would likely be in place at buildout. As such, staff made key assumptions to modify prior projections regarding growth in EMUs.

The two key assumptions made are: 1. The overall ratio of EMU to population served (EMU/Pop) will remain fairly constant through build out. That is to say that new development will generally be similar in type as exists today. 2. The proportionate mix of meter sizes (except for the three smallest size meters) will remain intact through buildout. Staff believes these assumptions are reasonable, that the Santa Clarita Valley will remain largely similar in terms of land use mix, but the proportionate mix of the three smallest meter connection sizes will change due to building code updates, changes in housing size and product type, and more efficient usage of water by consumers. These assumptions will be monitored for relevance and reviewed in subsequent FCF updates.

3.2 EMU at Buildout

Future growth in EMU was estimated assuming that in general, the proportionate mix of meters will remain intact at build out (except for the mix of the smaller meter sizes). That is to say that the SCVWA service area will continue to be primarily similar in the proportion of residential, commercial and industrial accounts. Table 3-1 presents the projected EMU by meter size in 2050.

Table 3-1 EMU/Population at Buildout

Meter Size	5/8"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	Total EMUs at Buildout
Total EMUs	865	44,047	17,565	4,067	18,992	150	2,402	5,220	29,335	16,483	3,394	959	143,480

Table 3-2 Comparison of Meter Mix: Current vs. Buildout Forecast

Factor	43.28%	2.83%	13.25%	0.12%	1.74%	3.83%	20.36%	11.41%	2.48%	0.70%	
Year	5/8"+3/4"+1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"	EMU/Pop
2019	43.43%	2.78%	12.98%	0.13%	1.76%	3.87%	20.29%	11.30%	2.74%	0.72%	0.3349
2050	43.05%	2.80%	13.09%	0.10%	1.66%	3.60%	20.21%	11.36%	2.34%	0.66%	0.3444

3.3 Change in Mix of Smaller Meter Connections

The smallest meter connection size, 5/8-inch, is likely to be phased out for future residential use. Very little new growth is expected for this connection size. Many existing 5/8-inch meters will also be replaced with 3/4-inch in the future as they reach the end of their useful service life. There is tendency to equip a higher proportion of new residential construction with 1-inch meter connections due to residential fire sprinkler code changes that occurred in 2010 in California. However, trends in hydraulic meter efficiency, use of attached housing with a common separate sprinkler feed, as well as other efficiency factors have also resulted in some homes utilizing 3/4-inch meters. Table 3-3 lists the Agency’s current best estimate of the range of future growth parameters for the three meter sizes. As shown, 5/8-inch meters are expected to have a low case growth of 0%, a most likely case growth of 2%, and a high case of 4% growth; 3/4-inch meters are expected to range between 60% and 80% with a most likely value of 70%, and 1-inch meters are expected to range from 20% to 40% with a most likely range of 30%.

Table 3-3 Future Change in Meter Growth 5/8", 3/4", 1"

5/8"	5/8"	5/8"	3/4"	3/4"	3/4"	1"	1"	1"
MIN	ML	MAX	MIN	ML	MAX	MIN	ML	MAX
0.0%	2.0%	4.0%	60.0%	70.0%	80.0%	20.0%	30.0%	40.0%

The results of these modeling assumptions are shown in Table 3-4. Line 3 has the EMU counts for the three meter connection sizes as well as their proportionate mix when combined. In other words, in 2019 there were 2,288 5/8-inch EMU in the Agency retail service area. This represents 6% of all EMU in the combined group. The model results from using the assumptions of change shown in Table 3-3 results in line 12 of Table 3-4. These results can be read as follows: The model projects that at an 80% level of confidence, at the end of the year 2050, the 5/8-inch meters will be reduced to 865 EMU and represent only 1% of the three smaller meter sizes’ combined EMU.

Table 3-4 Changing Count 5/8", 3/4", 1" Meters at Buildout

Line	FACTOR	YEAR	POP	0.4			0.6			1			% 5/8"+3/4"+1"			TOTAL
				5/8"	3/4"	1"	5/8"	3/4"	1"	5/8"+3/4"+1"	5/8"	3/4"	1"			
1	2017	279,140	2,594	31,207	6,694	40,495	6%	77%	17%	100%						
2	2018	282,460	2,409	31,501	7,094	41,004	6%	77%	17%	100%						
3	2019	285,780	2,288	31,768	7,510	41,566	6%	76%	18%	100%						
4	2020	289,100	2,082	31,437	7,996	41,515	5%	76%	19%	100%						
5	2021	295,660	1,918	31,833	8,688	42,439	5%	75%	20%	100%						
6	2022	302,220	1,742	32,229	9,415	43,386	4%	74%	22%	100%						
7	2023	308,780	1,554	32,613	10,174	44,341	4%	74%	23%	100%						
8	2024	315,340	1,353	32,985	10,968	45,306	3%	73%	24%	100%						
9	2025	321,900	1,138	33,331	11,793	46,262	2%	72%	25%	100%						
10	2026	328,440	910	33,682	12,661	47,253	2%	71%	27%	100%						
11	2049	418,880	858	43,721	17,435	62,015	1%	71%	28%	100%						
12	2050	421,400	865	44,047	17,565	62,478	1%	71%	28%	100%						

Table 3-5 shows the model results for changes in EMU count for each meter connection size. The data in line 14 and 15 can be read as follows: The model projects that at an 80% level of confidence, at the end of the year 2050 there will be 865 remaining 5/8" EMU and compared to the year 2020, this equates to a reduction of 1,217 EMU. In total, EMU will be equal to 143,480 at the end of the year 2050 which will be the result of growth of 48,140 EMU in the Agency's service area.

Table 3-5 Summary: Quantities of Changes in EMU by Meter Connection Size

Line	FACTOR	0.4		0.6		1		2		3.2		4.6		6		10		20		32		46		86		Total EMU
		YEAR	5/8"	3/4"	1"	1 1/2"	2"	2 1/2"	3"	4"	6"	8"	10"	12"												
1	2010	2,974	29,680	4,103	2,412	11,482	83	1,650	3,290	17,060	9,728	1,978	602	85,041												
2	2011	2,969	29,852	4,109	2,434	11,421	92	1,554	2,900	17,000	9,696	1,978	602	84,606												
3	2012	2,955	29,992	4,242	2,448	11,462	101	1,530	2,940	17,400	9,760	2,024	602	85,456												
4	2013	2,938	30,188	4,569	2,490	11,622	87	1,536	3,020	17,720	9,920	2,070	688	86,849												
5	2014	2,936	30,451	5,027	2,566	11,907	101	1,518	3,700	18,520	10,368	2,254	602	89,950												
6	2015	2,880	30,676	5,680	2,600	12,022	92	1,524	3,760	18,700	10,464	2,254	602	91,255												
7	2016	2,745	30,934	6,340	2,602	12,144	106	1,524	3,770	18,940	10,528	2,254	602	92,488												
8	2017	2,594	31,207	6,694	2,618	12,211	124	1,554	3,750	19,160	10,624	2,254	602	93,392												
9	2018	2,409	31,501	7,094	2,642	12,394	133	1,542	3,730	19,280	10,752	2,668	688	94,833												
10	2019	2,288	31,768	7,510	2,656	12,426	129	1,680	3,700	19,420	10,816	2,622	688	95,702												
11	2020	2,082	31,437	7,996	2,702	12,620	99	1,596	3,469	19,492	10,952	2,255	638	95,340												
12	2021	1,918	31,833	8,688	2,762	12,900	102	1,632	3,546	19,926	11,196	2,306	652	97,461												
13	2049	858	43,721	17,435	4,037	18,851	149	2,385	5,182	29,117	16,360	3,369	952	142,416												
14	2050	865	44,047	17,565	4,067	18,992	150	2,402	5,220	29,335	16,483	3,394	959	143,480												
15		-1,217	12,611	9,569	1,364	6,372	50	806	1,752	9,842	5,530	1,139	322	48,140												

3.4 Confidence Levels and EMU Count at Buildout

In Section 1.2 Principles and Methodology, Figure 1-1 illustrated Staff's use of simulation to create a frequency distribution of FCF pricing results. The higher the level of confidence that is desired that the FCFs will cover the determined revenue requirement, the higher the FCFs must be. The model's most influential variable in fee determination is the growth in EMU. Section 3.2 documents how population growth was assumed to

impact EMU growth and illustrated how the model carried this out. Section 3.3 documents assumptions in how changes in the proportionate mix of the three smallest meter connection sizes are expected by Staff and how the model carried this out. The results of the model at an 80% level of confidence were used to illustrate the outcomes.

Table 3-6 contains actual output from the Staff FCF model at specific Levels of Confidence. For each level of confidence shown, the number of EMU and the corresponding base FCF for each WSA is listed along with the total number of EMUs of growth that is projected. For comparison purposes, WSA1 base FCF would decrease \$840 (8%) by using the model output at 80% level of confidence rather than at the 95% level of confidence. At this lower base FCF (\$9,874) the model projects greater EMU growth of 1,617 (18,775 – 17,158). Under any of the level of confidence selected the model pricing points cover the revenue requirement as the number of EMU is the denominator in the FCF calculation.

Table 3-6 Level of Confidence, Confidence Interval, Fees, and Number of EMUs

Level of Confidence		WSA 1	WSA 2	WSA 3	WSA 4	Total EMUs	
Confidence Interval	95.0%	Fee	\$10,714	\$6,233	\$9,004	\$15,381	
		EMU's	17,158	6,159	20,238	440	43,995
	92.5%	Fee	\$10,496	\$15,892	\$8,813	\$15,060	
		EMU's	17,548	6,299	20,697	450	44,994
	90.0%	Fee	\$10,339	\$5,645	\$674	\$4,826	
		EMU's	17,844	6,405	21,047	458	45,754
	87.5%	Fee	\$10,157	\$15,363	\$8,515	\$14,560	
		EMU's	18,189	6,529	21,453	466	46,637
	85.0%	Fee	\$10,055	\$15,202	\$8,425	\$14,408	
		EMU's	18,396	6,604	21,697	472	47,169
82.5%	Fee	\$9,966	\$15,061	\$8,345	\$14,275		
	EMU's	18,582	6,671	21,918	476	47,647	
80.0%	Fee	\$9,874	\$14,918	\$8,264	\$14,140		
	EMU's	18,775	6,740	22,144	481	48,140	
70.0%	Fee	\$9,595	\$14,477	\$8,015	\$13,724		
	EMU's	19,396	6,963	22,878	497	49,734	
60.0%	Fee	\$9,369	\$14,119	\$7,813	\$13,386		
	EMU's	19,933	7,156	23,511	511	51,111	
50.0%	Fee	\$9,148	\$13,772	\$7,617	\$13,059		
	EMU's	20,481	7,352	24,157	525	52,515	

4 COST ALLOCATION METHODOLOGY

4.1 Introduction

In this section of the report presents the process to determine the FCF revenue requirement. The specific cost components will be covered in later sections. There is a structure and a process to determining the revenue requirement; the amount of revenue that is necessary to cover the cost of building major infrastructure to support growth.

4.2 Cost Type

There are four major cost types included in the FCF revenue requirement:

1. Existing Debt Service: This cost type includes repayment of principal and interest on the portion of the Agency's outstanding debt attributable to growth. All remaining outstanding debt that has been previously allocated to growth is contained in this category.
2. Future Debt Service: This cost type includes the estimate of future project cost financing for major infrastructure projects. The amount varies by project and is determined based on the percentage of estimated project costs allocated to growth.
3. Recycled Water: This cost type includes the estimated cost of recycled water major infrastructure and the cost to finance the projects. It is given its own cost category and each WSA participates in the various projects differently.
4. Rosedale Rio Bravo/Buena Vista water acquisition agreement. This is a long-term water supply contract that was entered into in anticipation of growth in the service area. The costs are allocated between current and future users.

4.3 Cost Allocation between Current and Future (Growth) users

In Section 2.1 the determination of remaining growth in terms of annual demand was explained. The results of the simulation were used at the point of 95% confidence that the demand in 2020 would not exceed 66,131. This forecasted demand for 2020 was deducted from the expected demand at buildout in 2050, as contained in the Agency's 2015 UWMP (93,900) to arrive at the remaining growth expected due to growth (27,769). This information is shown in Table 4-1.

Table 4-1 Current, Future and Total Demand

Current User Demand	66,131
Future User Demand	27,769
Total Demand 2050 from UWMP	93,900
Current User %	70%
Future User %	30%

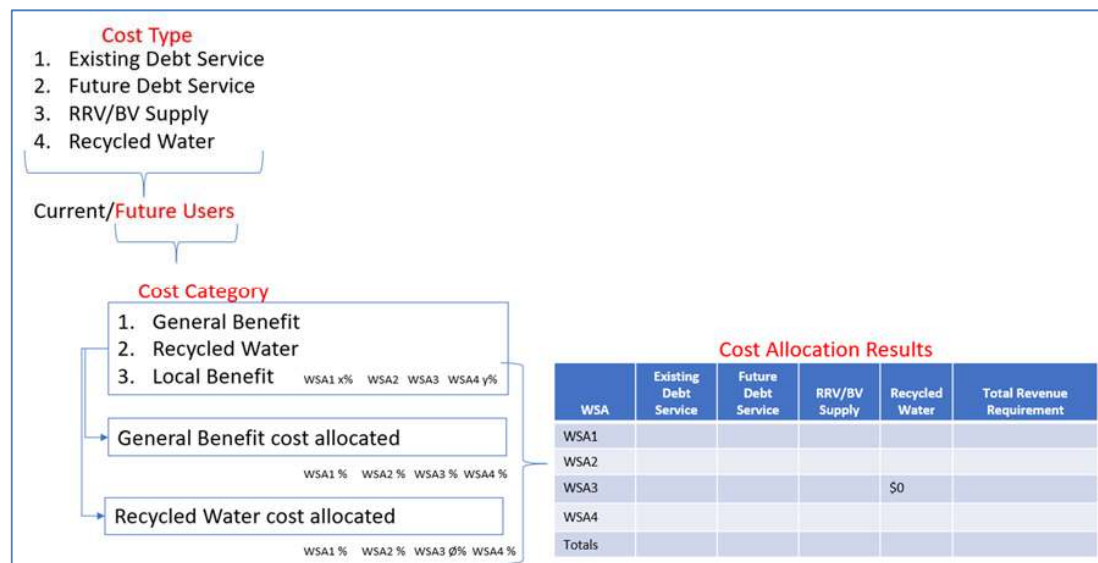
The amounts of demand that were determined for current and future users were each divided by the forecasted total demand in 2050 to arrive at 70% of total forecasted demand being attributable to current users and the remaining 30% attributable to future users. These percentages are used to allocate costs between current and future users.

4.4 Cost Category

The next level of cost allocation is by cost category. There are three cost categories:

1. **General Benefit:** Projects consist of water supply, treatment, and storage projects.
2. **Recycled Water:** Recycled water projects consist projects related to the Agency-wide recycled water system.
3. **Local Benefit (specific WSA(s)):** Projects consist of transmission projects and for WSA 3, recycled water projects. Transmission projects benefit each WSA separately because each WSA has its own specific transmission infrastructure needs. A project may have a different percentage allocated to multiple WSAs if more than one has a determined benefit from the specific project. Figure 4-4 shows an example of this process.

Figure 4-4 Cost Allocation Flow Diagram



5 EXISTING DEBT SERVICE

5.1 Introduction

Many of the Agency's large capital projects are financed with municipal bonds (debt). Repayment of these debt obligations includes principal and interest. As shown in section 4.1 of this report, project costs are allocated to current customers and growth; allocations to growth are allocated to the WSAs and collected through FCFs. Table 5-1 lists the existing debt issues, the amount of remaining debt service (principle and interest) outstanding in total, the amount of debt service remaining that has been previously allocated to growth (determined in prior FCF studies), and the percentage of remaining debt service allocated to growth. There is no need to change the previous allocations to growth for existing debt unless a project did not have work performed funded by the debt (which has not been the case), or a change in assessment of future use attributable to growth changed prior to work performed funded by the specific bond proceeds. Neither of these conditions have occurred since the previous study.

Table 5-1 Existing Debt Service (Principle and Interest) by Obligation

Debt Issue	Outstanding Debt Service (All)	Outstanding Debt Service (Growth Only)	Percentage of Debt Svc Allocated to Growth
1999 COP	\$104,450,000	\$80,896,525	77.45%
2004A COP/ 2014A	\$6,293,250	\$4,933,908	78.40%
2008A COP	\$12,147,587	\$9,523,708	78.40%
2010A COP	\$63,015,568	\$55,264,653	87.70%
2015A Revenue Bonds	\$84,733,575	\$53,127,952	62.70%
2016AN Revenue Bonds	\$55,025,750	\$21,735,171	39.50%
2016AR Revenue Bonds	\$30,169,350	\$23,366,162	77.45%
Total	\$355,835,080	\$248,848,079	69.93%

5.2 Allocation to Growth

Table 5-2 contains a detailed breakdown of the existing debt obligations allocated to growth by obligation on an annual basis. For the eleven-year period FY2020 through FY2030, annual debt service allocated to growth is at least \$18,363,082. This highlights the difficulty in determining the optimal FCFs. Annually the Agency budgets (plans) on receiving \$7,000,000 in FCF revenue. The difference between planned revenue and actual debt obligations is due to timing differences in when growth may occur, and when facilities are built, and debt issued to pay for them over time.

Table 5-2 Existing Annual Principle and Interest Cost Attributable to Growth

Line	Fiscal Year	1999 COP	2014A	2008A COP	2010A COP	2015A Revenue Bonds	2016AN Revenue Bonds	2016AR Revenue Bonds	Total
1	2019/20	\$0	\$2,466,954	\$4,761,854	\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$20,607,262
2	2020/21	\$0	\$2,466,954	\$4,761,854	\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$20,607,262
3	2021/22	\$8,089,653			\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$21,468,106
4	2022/23	\$8,089,653			\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$21,468,106
5	2023/24	\$8,089,653			\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$21,468,106
6	2024/25	\$8,089,653			\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$21,468,106
7	2025/26	\$8,089,653			\$5,024,059	\$3,125,174	\$3,105,024	\$2,124,197	\$21,468,106
8	2026/27	\$8,089,653			\$5,024,059	\$3,125,174		\$2,124,197	\$18,363,082
9	2027/28	\$8,089,653			\$5,024,059	\$3,125,174		\$2,124,197	\$18,363,082
10	2028/29	\$8,089,653			\$5,024,059	\$3,125,174		\$2,124,197	\$18,363,082
11	2029/30	\$8,089,653			\$5,024,059	\$3,125,174		\$2,124,197	\$18,363,082
12	2030/31	\$8,089,653				\$3,125,174			\$11,214,826
13	2031/32					\$3,125,174			\$3,125,174
14	2032/33					\$3,125,174			\$3,125,174
15	2033/34					\$3,125,174			\$3,125,174
16	2034/35					\$3,125,174			\$3,125,174
17	2035/36					\$3,125,174			\$3,125,174
18	2036/37								\$0
19	Total	\$80,896,525	\$4,933,908	\$9,523,708	\$55,264,653	\$53,127,952	\$21,735,171	\$23,366,162	\$248,848,079

For the purpose of FCF calculation, capital projects that were funded by the specific debt obligations were further assessed in terms of future users that will benefit from the project, resulting in the “cost category” allocation factors contained in Table 5-3. Cost category allocation factors are determined as soon as practical once financing efforts are completed.

Table 5-3 Existing Cost Category Allocation Factors

Debt Issue	General Benefit Allocation	WSA 1 Allocation	WSA 2 Allocation	WSA 3 Allocation	WSA 4 Allocation
1999 COP	89.74%	5.03%	3.71%	0.00%	1.52%
2004A COP/ 2014A	99.33%	0.42%	0.17%	0.00%	0.08%
2008A COP	89.74%	5.03%	3.71%	0.00%	1.52%
2010A COP	99.33%	0.42%	0.17%	0.00%	0.08%
2015A Revenue Bonds	29.31%	7.37%	61.54%	1.77%	0.00%
2016AN Revenue Bonds	89.74%	5.03%	3.71%	0.00%	1.52%
2016AR Revenue Bonds	80.99%	9.41%	5.79%	0.90%	2.90%

The cost category allocation factors in Table 5-3 are multiplied by the amount of debt service allocated to growth for each of the existing debt issues. This results in the cost allocations shown in Table 5-4. The totals from Table 5-4 will next be seen in Table 9-2 Summary Revenue Requirement (Existing debt service column).

Table 5-4 Existing Debt Service Allocated to Cost Categories

Debt Issue	Outstanding Debt (Growth Only)	General Benefit	WSA 1	WSA 2	WSA 3	WSA 4
1999 COP	\$80,896,525	\$72,594,674	\$4,072,541	\$2,999,261	\$0	\$1,230,050
2004A COP/ 2014A	\$4,933,908	\$4,900,994	\$20,571	\$8,229	\$0	\$4,114
2008A COP	\$9,523,708	\$8,546,356	\$479,448	\$353,094	\$0	\$144,810
2010A COP	\$55,264,653	\$54,895,980	\$230,421	\$92,168	\$0	\$46,084
2015A Revenue Bonds	\$53,127,952	\$15,573,619	\$3,914,865	\$32,694,161	\$942,698	\$2,609
2016AN Revenue Bonds	\$21,735,171	\$19,504,641	\$1,094,205	\$805,837	\$0	\$330,488
2016AR Revenue Bonds	\$23,366,162	\$18,925,113	\$2,198,982	\$1,353,968	\$211,119	\$676,984
Total	\$248,848,079	\$194,941,376	\$12,011,032	\$38,306,718	\$1,153,817	\$2,435,140

6 FUTURE DEBT SERVICE

6.1 Introduction

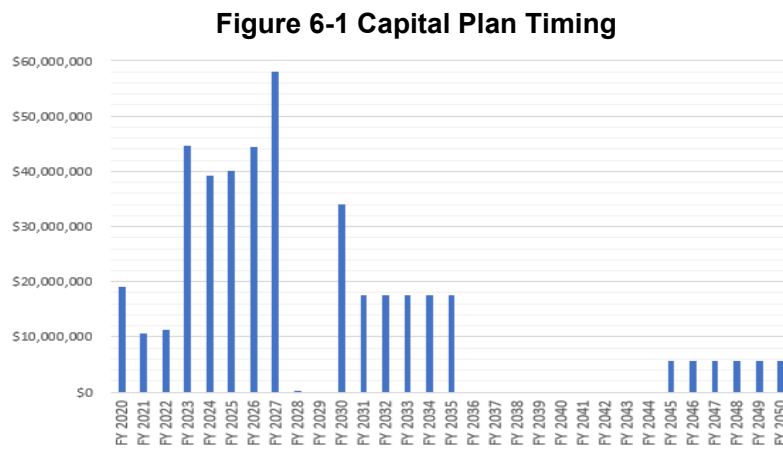
To estimate future financing needs and costs, a capital plan must be developed. Table 6-1 is a summary of the capital projects that are required to serve growth. Each project in the list is named and the planned construction period is listed along with the cost category (Benefit Type) that the costs were assigned to for FCF cost allocation, the remaining project cost, percent of remaining cost allocated to growth, and the cost allocated to growth. These costs are planned but have not yet occurred. Each FCF Study Update, this list is reviewed and updated to reflect changes in project plans (remaining planned cost, timing).

Table 6-1 contains 22 construction projects that have a remaining cost of \$423,960,736 of which \$110,520,527 is attributable to growth. These costs are in current dollars and are not inflated with expected inflationary cost increases. Exclusion of expected construction inflation costs from the FCF calculation was deemed appropriate so that FCF payers today are paying for the cost of constructing in today's dollars. **This is also important to note as the Agency is seeking approval of an annual capital cost inflation factor to be applied annually in years that a full FCF calculation is not undertaken. This is covered in Section 9 of this report.**

Table 6-1 Construction Projects, Timing of Construction, Cost to Complete, Allocation to Growth

CIP Project No.	Project Name	Start Year	End Year	Benefit Type	Total/Remaining Project Cost	Allocation to Growth	Project Cost (Growth Only)
TBD	Water Supply Banking (10,000 AF)	2030	2030	General Benefit	\$16,390,400	30.00%	\$4,917,120
TBD	Stored Water Recovery Unit Replacement	2045	2050	General Benefit	\$8,195,200	30.00%	\$2,458,560
200963	Saugus Formation Dry Year Reliability Wells	2021	2024	General Benefit	\$11,155,000	30.00%	\$3,346,500
200453	Recycled Water Program Phase II, 2A (Center Park)	2020	2024	Recycled Water	\$15,657,000	15.00%	\$2,348,550
200454	Recycled Water Program Phase II, 2B (Vista Canyon)	2020	2021	Recycled Water	\$4,820,584	15.00%	\$723,088
200455	Recycled Water Program Phase II, 2C (South End)	2020	2025	Recycled Water	\$11,869,000	15.00%	\$1,780,350
200456	Recycled Water Program Phase II, 2D (West Ranch)	2020	2020	Recycled Water	\$886,378	15.00%	\$132,957
TBD	Recycled Water Projects (Alignments A-H)	2030	2035	Recycled Water	\$105,885,000	15.00%	\$15,882,750
TBD	ESFP Storage Expansion	2045	2050	General Benefit	\$3,721,645	30.00%	\$1,116,494
TBD	Rio Vista Reservoir Expansion	2045	2050	General Benefit	\$6,957,725	30.00%	\$2,087,318
TBD	Sand Canyon Reservoir Expansion I	2021	2045	General Benefit	\$18,124,000	30.00%	\$5,437,200
TBD	Sand Canyon Reservoir Expansion II	2045	2050	General Benefit	\$8,575,252	30.00%	\$2,572,576
200525	Magic Mountain Pipelines 4	2020	2020	General Benefit	\$3,562,000	30.00%	\$1,068,600
200526	Magic Mountain Pipelines 5	2020	2020	General Benefit	\$5,339,000	30.00%	\$1,601,700
200527	Magic Mountain Pipelines 6	2020	2021	General Benefit	\$13,160,000	30.00%	\$3,948,000
200528	Magic Mountain Reservoir	2020	2024	General Benefit	\$29,865,000	30.00%	\$8,959,500
TBD	Magic Mountain Reservoir II	2021	2027	General Benefit	\$46,600,000	30.00%	\$13,980,000
TBD	Southern Service Area Storage, Pipeline and Pump Station 12 MG	2020	2027	General Benefit	\$63,273,000	30.00%	\$18,981,900
TBD	Southern Service Area Expansion	2045	2050	General Benefit	\$6,782,552	30.00%	\$2,034,766
200510	Honby Parallel (Phase 2 - ext of Phase 1)	2020	2025	Local Benefit	\$22,953,000	30.00%	\$6,885,900
200903	Castaic Conduit	2020	2025	Local Benefit	\$14,189,000	30.00%	\$4,256,700
NA	NR WSA Integration	2025	2025	Local Benefit	\$6,000,000	100.00%	\$6,000,000
	Total				\$423,960,736		\$110,520,527

Figure 6-1 illustrates the timing of the capital plan in terms of planned expenditure. This is an important visual to keep in mind when attempting to understand the complexity of reasonable and fair FCF development. This figure is showing that most of the approximate \$425 million capital outlay occurs by the Agency during the period FY2020 through **FY2027**. However, the FCF are being set to attempt to recover these costs during the period FY2020 through **FY2050**. This results in the Agency serving the role as financier (bank). As the Agency can only charge an FCF to the developer once and there is no going back to request additional funds, the risk of under collecting enough FCF revenues increases as the timing difference between Agency capital expenditure and FCF revenue realization lengthens.



6.2 Capital Expenditure Plan

Table 6-2 shows the annual capital expenditure plan that is in place as of August 2019. This information was used for determining a forecast for capital project financing requirements. The Table shows annual planned capital expenditures for each year for FY 2020-FY2027. It contains a final column for the remaining capital plan covering the period FY2028-FY2050. For these later years an estimate has been developed for the annual capital expenditure and is contained in the Appendix.

Table 6-2 Timing of Capital Project Expenditure FY2020-FY2027

CIP Project No.	Project Name	Total/Remaining Project Cost	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY2028-Buildout
TBD	Water Supply Banking (10,000 AF)	\$16,390,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,390,400
TBD	Stored Water Recovery Unit Replacement	\$8,195,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,195,200
200963	Saugus Formation/Dry Year Reliability Wells	\$11,155,000	\$0	\$380,000	\$775,000	\$5,000,000	\$5,000,000	\$0	\$0	\$0	\$0
200453	Recycled Water Program Phase II, 2A (Center Park)	\$15,657,000	\$5,000	\$5,000	\$13,990,000	\$1,652,000	\$0	\$0	\$0	\$0	\$0
200454	Recycled Water Program Phase II, 2B (Vista Canyon)	\$4,820,584	\$3,135,000	\$3,627,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
200455	Recycled Water Program Phase II, 2C (South End)	\$11,869,000	\$150,000	\$150,000	\$5,000	\$6,500,000	\$5,069,000	\$0	\$0	\$0	\$0
200456	Recycled Water Program Phase II, 2D (West Ranch)	\$886,378	\$985,000	\$578,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
TBD	Recycled Water Projects (Alignments A-H)	\$105,885,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$105,885,000
TBD	ESFP Storage Expansion	\$3,721,645	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,721,645
TBD	Rio Vista Reservoir Expansion	\$6,957,725	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,957,725
TBD	Sand Canyon Reservoir Expansion I	\$18,124,000	\$0	\$0	\$311,000	\$573,000	\$487,000	\$537,000	\$10,476,000	\$5,720,000	\$20,000
TBD	Sand Canyon Reservoir Expansion II	\$8,575,252	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,575,252
200525	Magic Mountain Pipelines 4	\$3,562,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200526	Magic Mountain Pipelines 5	\$5,339,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200527	Magic Mountain Pipelines 6	\$13,160,000	\$5,500,000	\$7,650,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0
200528	Magic Mountain Reservoir	\$29,865,000	\$170,000	\$315,000	\$3,000,000	\$16,000,000	\$10,000,000	\$380,000	\$0	\$0	\$0
TBD	Magic Mountain Reservoir II	\$46,600,000	\$0	\$0	\$200,000	\$700,000	\$700,000	\$15,000,000	\$15,000,000	\$15,000,000	\$0
TBD	Southern Service Area Storage, Pipeline and Pump Station 12 MG	\$83,273,000	\$0	\$0	\$711,000	\$1,416,000	\$1,747,000	\$3,247,000	\$18,839,000	\$37,293,000	\$20,000
200510	Honby Parallel (Phase 2 - ext of Phase 1)	\$22,953,000	\$50,000	\$150,000	\$100,000	\$546,000	\$12,084,000	\$9,869,000	\$77,000	\$77,000	\$0
200903	Castaic Conduit	\$14,189,000	\$200,000	\$200,000	\$6,259,000	\$6,500,000	\$950,000	\$80,000	\$0	\$0	\$0
NA	NR WSA Integration	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$0	\$0	\$0
Total		\$423,960,736	\$19,096,000	\$13,055,000	\$11,396,000	\$44,730,000	\$39,720,000	\$40,172,000	\$44,392,000	\$56,090,000	\$156,547,774

6.3 Project Finance

All the capital project costs shown in Table 6-2 are currently planned to be financed through debt. This debt will be secured by the Agency’s revenues. As a result of the Agency merger, this future debt will be secured by retail rate revenues. To derive an interest rate for project financing through buildout the following methodology was used: A review of historical municipal AA rated interest rates for the past 30 years were in the range of 2% to 6%. A distribution was created using the historical highest and lowest interest rates as the boundaries for rates, and 4.22% was used as the most likely as this was the average of the rates published. The historic interest rate data is shown in Table 6-3. The results of the simulation are shown in Figure 6-2.

Table 6-3 Historic 30YR Bond AA Rated Interest Rates

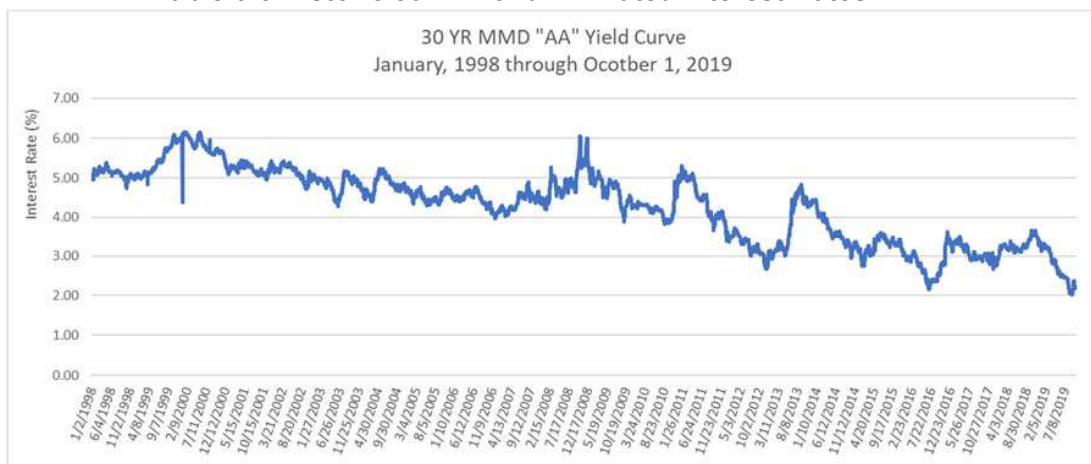


Figure 6-2 Interest rate simulation results

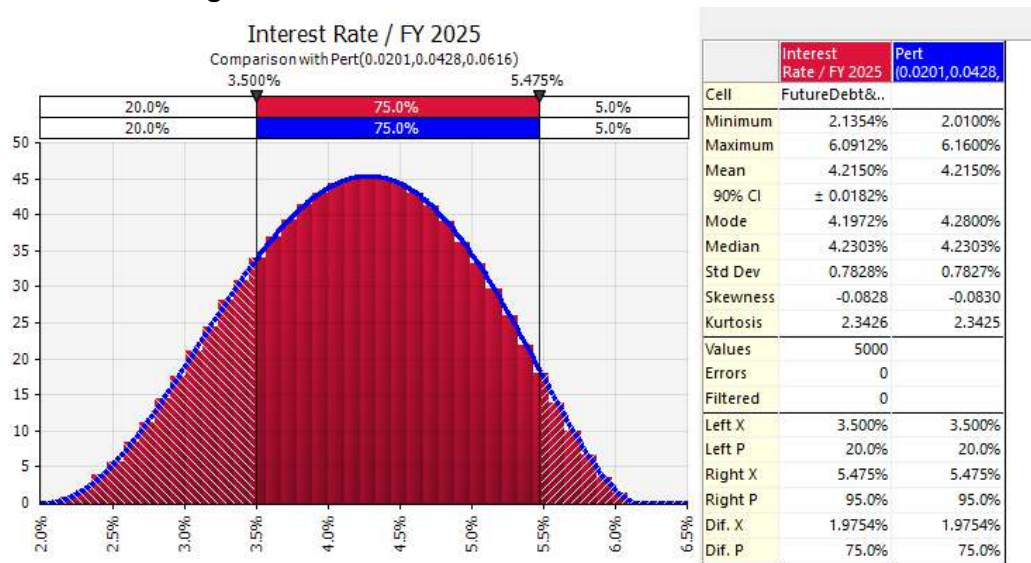


Table 6-4 shows the project financing assumptions used. The amounts listed as CIP costs for three years on line six are taken from Table 6-2. The simulation for interest rates was put through a single 5,000 iteration simulation and the results at the 20% level of confidence were used for the bond issues from 2026 through buildout. What this means is it can be expected that with an 80% level of confidence, future interest rates will be at least 3.5%. The lower side of the interest rate simulations were used to avoid accusation of over inflating financing costs. For the nearer term planned debt issuances, the Agency has used 4.5% which is closer to what is expected for the next new money issue that is being planned as of December 2019. Line 9 shows the amounts of each planned bond issue through FY2035 after taking into consideration bond issuance costs (Line 4) and interest earnings on bond proceeds prior to expenditure (Line 7). The sum of the six bond issues shown in Table 6-4 (Line 9) is approximately \$390,000,000.

Table 6-4 Project Financing Requirements Forecast FY2020-FY2035

Line	FY 2020	FY 2023	FY 2026	FY 2029	FY 2032	FY 2035
1	Proposed Debt Terms					
2	Interest Rate	4.50%	4.50%	3.50%	3.50%	3.50%
3	Term (years)	30	30	30	30	30
4	Bond Issuance Cost	0.85%	0.85%	0.85%	0.85%	0.85%
5	Interest Earning Rate	2%	2%	2%	2%	2%
6	CIP Costs for 3 Years	\$43,547,000	\$124,022,000	\$102,522,000	\$51,685,400	\$52,942,500
7	Interest on Debt Proceeds	\$0	\$716,940	\$2,360,602	\$1,068,976	\$1,343,899
8	Funding Needed for CIP	\$43,547,000	\$123,305,060	\$100,161,398	\$50,616,424	\$51,598,601
9	Proposed Debt Issue	\$43,917,150	\$124,353,153	\$101,012,769	\$51,046,664	\$52,037,189
10	Annual Debt Service	\$2,696,142	\$7,634,232	\$5,492,394	\$2,775,574	\$2,829,432

6.4 Cost Allocation

Table 6-5 Contains the annual capital expenditure for the projects from Table 6-2 that is attributable to growth for the time period FY2020 through FY2027. These amounts are in today's dollars. Financing costs have not been added at this point. The way to read the cost allocations in Table 6-5 is as follows: Column A is the Cost Category assigned to the project (see Section 4.4 Cost Category), Column B is the amount of the project's cost allocated to growth (see Section 4.3 Cost Allocation between Current and Future (Growth) users and Table 6-1).

Table 6-5 Allocation of Project Costs to Growth

CIP Project No.	Project Name	A								D	E	F	G	H
		Benefit Type	B	C	Recycled Water	WSA 1	WSA 2	WSA 3	WSA 4					
TBD	Water Supply Banking (10,000 AF)	General Benefit	\$4,917,120	100.00%										
TBD	Stored Water Recovery Unit Replacement	General Benefit	\$2,458,560	100.00%										
200963	Saugus Formation Dry Year Reliability Wells	General Benefit	\$3,346,500	100.00%										
200453	Recycled Water Program Phase II, 2A (Center Park)	Recycled Water	\$2,348,550		100.00%									
200454	Recycled Water Program Phase II, 2B (Vista Canyon)	Recycled Water	\$723,088		100.00%									
200455	Recycled Water Program Phase II, 2C (South End)	Recycled Water	\$1,780,350		100.00%									
200456	Recycled Water Program Phase II, 2D (West Ranch)	Recycled Water	\$132,957		100.00%									
TBD	Recycled Water Projects (Alignments A-H)	Recycled Water	\$15,882,750		100.00%									
TBD	ESFP Storage Expansion	General Benefit	\$1,116,494	100.00%										
TBD	Rio Vista Reservoir Expansion	General Benefit	\$2,087,318	100.00%										
TBD	Sand Canyon Reservoir Expansion I	General Benefit	\$5,437,200	100.00%										
TBD	Sand Canyon Reservoir Expansion II	General Benefit	\$2,572,576	100.00%										
200525	Magic Mountain Pipelines 4	General Benefit	\$1,068,600	100.00%										
200526	Magic Mountain Pipelines 5	General Benefit	\$1,601,700	100.00%										
200527	Magic Mountain Pipelines 6	General Benefit	\$3,948,000	100.00%										
200528	Magic Mountain Reservoir	General Benefit	\$8,959,500	100.00%										
TBD	Magic Mountain Reservoir II	General Benefit	\$13,980,000	100.00%										
TBD	Southern Service Area Storage, Pipeline and Pump Station 12 MG	Local Benefit	\$18,981,900	100.00%										
TBD	Southern Service Area Expansion	Local Benefit	\$2,034,766	100.00%										
200510	Honby Parallel (Phase 2 - ext of Phase 1)	Local Benefit	\$6,885,900						72.57%	26.02%				1.40%
200903	Castaic Conduit	Local Benefit	\$4,256,700						38.91%	13.95%				46.38%
NA	NR WSA Integration	Local Benefit	\$6,000,000											100.00%
			<u>\$110,520,527</u>											

Table 6-6 The timing of project costs FY2020-FY2027 attributable to growth

CIP Project No.	Project Name	Total/Remaining Project Growth Cost	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028-Buildout
TBD	Water Supply Banking (10,000 AF)	\$4,917,120	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,917,120
TBD	Stored Water Recovery Unit Replacement	\$2,458,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,458,560
200963	Saugus Formation Dry Year Reliability Wells	\$3,346,500	\$0	\$836,625	\$836,625	\$836,625	\$836,625	\$0	\$0	\$0	\$0
200453	Recycled Water Program Phase II, 2A (Center Park)	\$2,348,550	\$469,710	\$469,710	\$469,710	\$469,710	\$469,710	\$0	\$0	\$0	\$0
200454	Recycled Water Program Phase II, 2B (Vista Canyon)	\$723,088	\$361,544	\$361,544	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200455	Recycled Water Program Phase II, 2C (South End)	\$1,780,350	\$296,725	\$296,725	\$296,725	\$296,725	\$296,725	\$296,725	\$0	\$0	\$0
200456	Recycled Water Program Phase II, 2D (West Ranch)	\$132,957	\$132,957	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TBD	Recycled Water Projects (Alignments A-H)	\$15,882,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,882,750
TBD	ESFP Storage Expansion	\$1,116,494	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,116,494
TBD	Rio Vista Reservoir Expansion	\$2,087,318	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,087,318
TBD	Sand Canyon Reservoir Expansion I	\$5,437,200	\$0	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$3,914,784
TBD	Sand Canyon Reservoir Expansion II	\$2,572,576	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,572,576
200525	Magic Mountain Pipelines 4	\$1,068,600	\$1,068,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200526	Magic Mountain Pipelines 5	\$1,601,700	\$1,601,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200527	Magic Mountain Pipelines 6	\$3,948,000	\$1,974,000	\$1,974,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0
200528	Magic Mountain Reservoir	\$8,959,500	\$1,791,900	\$1,791,900	\$1,791,900	\$1,791,900	\$1,791,900	\$0	\$0	\$0	\$0
TBD	Magic Mountain Reservoir II	\$13,980,000	\$0	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$0
TBD	Southern Service Area Storage, Pipeline and Pump Station 12 MG	\$18,981,900	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$0
TBD	Southern Service Area Expansion	\$2,034,766	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,034,766
200510	Honby Parallel (Phase 2 - ext of Phase 1)	\$6,885,900	\$1,147,650	\$1,147,650	\$1,147,650	\$1,147,650	\$1,147,650	\$1,147,650	\$0	\$0	\$0
200903	Castaic Conduit	\$4,256,700	\$709,450	\$709,450	\$709,450	\$709,450	\$709,450	\$709,450	\$0	\$0	\$0
NA	NR WSA Integration	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$0	\$0	\$0
Total		\$110,520,527	\$11,926,973	\$12,174,972	\$9,839,428	\$9,839,428	\$9,839,428	\$12,741,193	\$4,587,368	\$4,587,368	\$34,984,366

The cost of capital projects allocated to growth will be financed. Table 6-7 shows the cost allocation of debt service for financing the portion of capital work attributed to growth. That is to say that the capital project cost allocated to growth increases from \$110,520,527 to an expected \$157,455,137 once financed.

Table 6-7 Debt Service Cost Allocation to Growth

Line	Year	General Benefit	Recycled Water	WSA 1	WSA 2	WSA 3	WSA 4	Total Debt Service
1	FY 2020	\$1,561,129	\$195,358	\$205,976	\$73,861	\$61,113	\$3,988	\$2,101,425
2	FY 2021	\$1,561,129	\$195,358	\$205,976	\$73,861	\$61,113	\$3,988	\$2,101,425
3	FY 2022	\$1,561,129	\$195,358	\$205,976	\$73,861	\$61,113	\$3,988	\$2,101,425
4	FY 2023	\$2,709,419	\$305,340	\$407,833	\$146,244	\$472,113	\$7,896	\$4,048,845
5	FY 2024	\$2,709,419	\$305,340	\$407,833	\$146,244	\$472,113	\$7,896	\$4,048,845
6	FY 2025	\$2,709,419	\$305,340	\$407,833	\$146,244	\$472,113	\$7,896	\$4,048,845
7	FY 2026	\$3,207,506	\$303,965	\$404,330	\$144,988	\$458,635	\$7,828	\$4,527,253
8	FY 2027	\$3,207,506	\$303,965	\$404,330	\$144,988	\$458,635	\$7,828	\$4,527,253
9	FY 2028	\$3,207,506	\$303,965	\$404,330	\$144,988	\$458,635	\$7,828	\$4,527,253
10	FY 2029	\$3,508,086	\$594,333	\$404,470	\$145,039	\$459,174	\$7,830	\$5,118,933
11	FY 2030	\$3,508,086	\$594,333	\$404,470	\$145,039	\$459,174	\$7,830	\$5,118,933
12	FY 2031	\$3,508,086	\$594,333	\$404,470	\$145,039	\$459,174	\$7,830	\$5,118,933
13	FY 2032	\$3,537,949	\$1,021,090	\$404,465	\$145,037	\$459,153	\$7,830	\$5,575,524
14	FY 2033	\$3,537,949	\$1,021,090	\$404,465	\$145,037	\$459,153	\$7,830	\$5,575,524
15	FY 2034	\$3,537,949	\$1,021,090	\$404,465	\$145,037	\$459,153	\$7,830	\$5,575,524
16	FY 2035	\$3,573,248	\$1,157,885	\$404,465	\$145,037	\$459,154	\$7,830	\$5,747,619
17	FY 2036	\$3,573,248	\$1,157,885	\$404,465	\$145,037	\$459,154	\$7,830	\$5,747,619
18	FY 2037	\$3,573,248	\$1,157,885	\$404,465	\$145,037	\$459,154	\$7,830	\$5,747,619
19	FY 2038	\$3,608,330	\$1,158,220	\$404,465	\$145,037	\$459,154	\$7,830	\$5,783,036
20	FY 2039	\$3,608,330	\$1,158,220	\$404,465	\$145,037	\$459,154	\$7,830	\$5,783,036
21	FY 2040	\$3,608,330	\$1,158,220	\$404,465	\$145,037	\$459,154	\$7,830	\$5,783,036
22	FY 2041	\$3,643,421	\$1,158,206	\$404,465	\$145,037	\$459,154	\$7,830	\$5,818,113
23	FY 2042	\$3,643,421	\$1,158,206	\$404,465	\$145,037	\$459,154	\$7,830	\$5,818,113
24	FY 2043	\$3,643,421	\$1,158,206	\$404,465	\$145,037	\$459,154	\$7,830	\$5,818,113
25	FY 2044	\$3,854,299	\$1,158,207	\$404,465	\$145,037	\$459,154	\$7,830	\$6,028,992
26	FY 2045	\$3,854,299	\$1,158,207	\$404,465	\$145,037	\$459,154	\$7,830	\$6,028,992
27	FY 2046	\$3,854,299	\$1,158,207	\$404,465	\$145,037	\$459,154	\$7,830	\$6,028,992
28	FY 2047	\$4,130,029	\$1,158,207	\$404,465	\$145,037	\$459,154	\$7,830	\$6,304,722
29	FY 2048	\$4,130,029	\$1,158,207	\$404,465	\$145,037	\$459,154	\$7,830	\$6,304,722
30	FY 2049	\$4,130,029	\$1,158,207	\$404,465	\$145,037	\$459,154	\$7,830	\$6,304,722
31	FY 2050	\$2,657,360	\$962,849	\$198,489	\$71,176	\$398,040	\$3,843	\$4,291,756
32	Total	\$102,657,606	\$25,595,281	\$11,746,690	\$4,212,233	\$13,015,914	\$227,413	\$157,455,137

7 BV/RRB SUPPLY

7.1 Introduction

In addition to the existing debt service for all previous COPs and revenue bonds, the Agency also has outstanding payments for the BV/RRB water supply system. The BV/RRB expansion is operating under a 30-year payment stream that is divided between existing and future users.

The Agency currently has a water acquisition agreement with the Buena Vista Water Storage District and the Rosedale-Rio Bravo Storage District to increase the water supply availability. The BV/RRB payments reflect the acquisition of water supply based on this agreement.

7.2 Cost Allocation

Table 7-1 shows the final outstanding cost of the BV/RRB system at build-out in FY 2050. The total BV/RRB costs (Column B) encompass costs for all demand (Column C), which includes the annexation contribution (Column D) and current users' demand (Column E). To determine the cost allocation to future users, anticipated growth is factored into the calculation. Column F is the percentage of the future user quantity of water remaining after recognition of planned annual growth. Column G represents the annual additional amount of demand that is shifting from future users to current users as growth occurs. Column H contains the remaining quantity of water procured for future use. This amount is divided by the total amount procured (11,000) to create the factor used for determining how much of the cost of the supply should be allocated to growth. This results in the percentage of demand remaining (Column H) to eventually be reduced to zero at the end of build out in 2050. The total in Column I is allocated amount future users in the General Benefit Cost Category as the most appropriate way to allocate this cost is by the amount of growth expected for each WSA; this can be seen in Table 9-1 of the report.

The math used for the determination of the amounts in columns (H) & (I) in Table 7-1 is as follows:

Total Demand		11,000
Less:		
Purchased for annexed properties		3,000
Initially purchased for current users		4,560
Amount initially purchased for future users		<u>3,440</u>
Less:		
Future use allocation evolved to current use due to growth		116
Available for future growth		<u>3,324 (H)</u>
Available for future growth		3,324
Divided by	÷	
Total quantity purchased		<u>11,000</u>
Cost allocation factor for growth		<u>30.22%</u>
Annual Costs	\$	7,990,482
Multiplied by the cost allocation factor for growth	x	30.22%
		<u>\$ 2,414,578 (I)</u>
Amount per schedule	\$	<u>2,414,585</u>
Difference due to rounding	\$	<u>7</u>

Table 7-1 BV/RRB Cost Allocation

	A	B	C	D	E	F	G	H	I
Line	Year	Total BV/RRB Costs	Total Demand (AF)	Annexation Contribution (AF)	Current Use Portion (AF)	Percent Allocated to Future Use	Existing Use from FY 2020 (AF)	Future Use Portion (AF)	Future Use Costs
1	FY 2020	\$7,990,482	11,000	3,000	4,560	96.63%	116	3,324	\$2,414,585
2	FY 2021	\$8,390,006	11,000	3,000	4,560	96.63%	116	3,324	\$2,535,314
3	FY 2022	\$8,809,507	11,000	3,000	4,560	93.14%	236	3,204	\$2,566,003
4	FY 2023	\$9,249,982	11,000	3,000	4,560	89.93%	346	3,094	\$2,601,396
5	FY 2024	\$9,712,481	11,000	3,000	4,560	86.72%	457	2,983	\$2,633,913
6	FY 2025	\$10,198,105	11,000	3,000	4,560	83.51%	567	2,873	\$2,663,179
7	FY 2026	\$10,708,011	11,000	3,000	4,560	80.29%	678	2,762	\$2,688,786
8	FY 2027	\$11,243,411	11,000	3,000	4,560	77.08%	788	2,652	\$2,710,297
9	FY 2028	\$11,805,582	11,000	3,000	4,560	73.87%	899	2,541	\$2,727,236
10	FY 2029	\$12,395,861	11,000	3,000	4,560	70.66%	1,009	2,431	\$2,739,093
11	FY 2030	\$13,015,654	11,000	3,000	4,560	67.45%	1,120	2,320	\$2,745,319
12	FY 2031	\$13,666,436	11,000	3,000	4,560	64.23%	1,230	2,210	\$2,745,319
13	FY 2032	\$14,349,758	11,000	3,000	4,560	61.02%	1,341	2,099	\$2,738,455
14	FY 2033	\$15,067,246	11,000	3,000	4,560	57.81%	1,451	1,989	\$2,724,042
15	FY 2034	\$15,820,608	11,000	3,000	4,560	54.60%	1,562	1,878	\$2,701,342
16	FY 2035	\$16,611,639	11,000	3,000	4,560	51.39%	1,672	1,768	\$2,669,562
17	FY 2036	\$17,442,221	11,000	3,000	4,560	48.18%	1,783	1,657	\$2,627,850
18	FY 2037	\$18,314,332	11,000	3,000	4,560	44.96%	1,893	1,547	\$2,575,293
19	FY 2038	\$19,230,048	11,000	3,000	4,560	41.75%	2,004	1,436	\$2,510,910
20	FY 2039	\$20,191,551	11,000	3,000	4,560	38.54%	2,114	1,326	\$2,433,652
21	FY 2040	\$21,201,128	11,000	3,000	4,560	35.33%	2,225	1,215	\$2,342,390
22	FY 2041	\$22,261,185	11,000	3,000	4,560	32.12%	2,335	1,105	\$2,235,917
23	FY 2042	\$23,374,244	11,000	3,000	4,560	28.91%	2,446	994	\$2,112,942
24	FY 2043	\$24,542,956	11,000	3,000	4,560	25.69%	2,556	884	\$1,972,079
25	FY 2044	\$25,770,104	11,000	3,000	4,560	22.48%	2,667	773	\$1,811,848
26	FY 2045	\$27,058,609	11,000	3,000	4,560	19.27%	2,777	663	\$1,630,663
27	FY 2046	\$28,411,540	11,000	3,000	4,560	16.06%	2,888	552	\$1,426,830
28	FY 2047	\$29,832,117	11,000	3,000	4,560	12.85%	2,998	442	\$1,198,537
29	FY 2048	\$31,323,723	11,000	3,000	4,560	9.64%	3,109	331	\$943,848
30	FY 2049	\$32,889,909	11,000	3,000	4,560	6.42%	3,219	221	\$660,694
31	FY 2050	\$34,534,404	11,000	3,000	4,560	3.21%	3,330	110	\$346,864
32	Total	\$565,412,842							\$69,434,157

8 RECYCLED WATER

8.1 Introduction

While all Agency customers benefit from the creation of recycled water, for the purposes of FCFs, WSA3 does not contribute to the cost of the capital projects in Table 8-1 as WSA3 is constructing its own source of supply and necessary infrastructure. As a result, recycled water capital projects costs are allocated between current users and future users of WSA1, WSA2, and WSA4. This is accomplished by reducing the Demand at buildout (93,900 AFY per the current UWMP) by the amount of total demand that was determined during the 2017 FCF Update Study (16,095). The result of that calculation is what the demand forecast at buildout would be if WSA3 was not included in development plans. From this number, the current demand forecast of 66,131 is deducted to arrive at the growth in demand that is attributable to WSA1, WSA2, and WSA4, 11,674 AFY which is 15% of total demand at buildout.

Table 8-1 Cost Allocation Factors for Recycled Water Projects

Recycled Water Allocation	AFY	Percentage of Total Demand
Current Demand Forecast (AFY)	66,131	85%
Demand at Buildout	93,900	
Less: WSA3 Demand at Buildout	(16,095)	
Subtotal	77,805	
New Users' Demand	11,674	15%

8.2 Cost Allocation

The 15% cost allocation factor is applied to the recycled water capital projects listed in Table 8-2. The remaining 85% of these projects' costs are allocated to current users.

Table 8-2 Recycled Water Projects and Cost Allocation

CIP Project No.	Project Name	Total/Remaining Project Cost	Allocation to Growth	Project Cost (Growth Only)
200453	Recycled Water Program Phase II, 2A (Center Park)	\$15,657,000	15.00%	\$2,348,550
200454	Recycled Water Program Phase II, 2B (Vista Canyon)	\$4,820,584	15.00%	\$723,088
200455	Recycled Water Program Phase II, 2C (South End)	\$11,869,000	15.00%	\$1,780,350
200456	Recycled Water Program Phase II, 2D (West Ranch)	\$886,378	15.00%	\$132,957
TBD	Recycled Water Projects (Alignments A-H)	\$105,885,000	15.00%	\$15,882,750
Total		\$139,117,962		\$20,867,694

The project costs included in Table 8-2 will be financed. The total/remaining project costs are obtained from the Agency's Chief Engineer, the allocation factor(s) are contained in Table 8-1. Table 6-7 shows the annual financing costs (Principle and Interest) for recycled water projects that are allocated to growth (\$25,595,281).

9 FEE CALCULATION

9.1 Introduction

In this section we will summarize the work documented in the previous sections to arrive at recommended FCFs for each WSA. The content of the data tables in this Section have been explained previously in this report. Table 9-1 provides a list of the cost allocation factors for each WSA for the Cost Categories used in the FCF calculation.

Table 9-1 Summary of Cost Allocation Factors

Cost Category	WSA 1	WSA 2	WSA 3	WSA 4
General Benefit	39.00%	14.00%	46.00%	1.00%
Recycled Water	72.22%	25.93%	0.00%	1.85%
WSA 1: West Valley	100.00%			
WSA 2: East Valley		100.00%		
WSA 3: Newhall Ranch			100.00%	
WSA 4: Whittaker-Bermite				100.00%

Recall that the General Benefit cost category includes costs that benefit all future customers equally and these costs are allocated to the WSAs based on the proportionate amount of growth each WSA is bringing to the Agency (Table 2-4). The recycled water projects are not allocated to WSA3 as this WSA is building its own source of recycled water; the distribution of recycled water costs to the remaining WSAs is based on their proportionate share of growth being added to the system. The remaining cost categories are the individual WSAs and have been referred to as Local Benefit costs elsewhere in this report.

The math used to arrive at the Recycled Water Cost Allocations in Table 9-1 are shown below:

	WSA 1	WSA 2	WSA 3	WSA 4	Total
Proportionate share of growth (Table 2-4)	39%	14%	46%	1%	100%
Recycled Water Participants (X)	x	x		x	
Excluding WSA 3 growth for a RW allocation factor	39%	14%	0%	1%	54%
Equations	.39/.54	.14/.54	0/.54	.01/.54	
Result	72.22%	25.93%	0.00%	1.85%	100.00%

Table 9-2 Summary of Revenue Requirement

Benefit Type	Existing Debt Service	BV/RRB Payments	Proposed Debt Service for CIP	Total Revenue Requirement
General Benefit	\$194,941,376	\$69,434,157	\$102,657,606	\$367,033,139
Recycled Water	\$0	\$0	\$25,595,281	\$25,595,281
WSA 1: West Valley	\$12,011,032	\$0	\$11,746,690	\$23,757,723
WSA 2: East Valley	\$38,306,718	\$0	\$4,212,233	\$42,518,951
WSA 3: Newhall Ranch	\$1,153,817	\$0	\$13,015,914	\$14,169,731
WSA 4: Whittaker -Bermite	\$2,435,140	\$0	\$227,413	\$2,662,553
Total	\$248,848,083	\$69,434,157	\$157,455,137	\$475,737,376

Table 9-2 is a summary list of the revenue requirement (costs) by Cost Type allocated to growth that are allocated to growth. Recall from Figure 4-4 that Recycled Water was identified as a Cost Type, for the purposes of this summary table those costs have been included in the Cost Type “Future Debt Service”.

9.2 Recommended Fees

Table 9-3 Summarizes the cost allocations to the WSAs. This table is showing the amount of revenue that should be collected from each WSA from the FCFs. The amounts allocated to each WSA is divided by the modeled growth in EMU to derive a base FCF for each WSA. Table 9-4 lists these FCFs.

Table 9-3 Summary of Cost Allocation

Benefit Type	Total Revenue Requirement	WSA 1	WSA 2	WSA 3	WSA 4
General Benefit	\$367,033,139	\$143,142,924	\$51,384,639	\$168,835,244	\$3,670,331
Recycled Water	\$25,595,281	\$18,485,481	\$6,635,814	\$0	\$473,987
WSA 1: West Valley	\$23,757,723	\$23,757,723	\$0	\$0	\$0
WSA 2: East Valley	\$42,518,951	\$0	\$42,518,951	\$0	\$0
WSA 3: Newhall Ranch	\$14,169,731	\$0	\$0	\$14,169,731	\$0
WSA 4: Whittaker -Bermite	\$2,662,553	\$0	\$0	\$0	\$2,662,553
Total	\$475,737,376	\$185,386,128	\$100,539,404	\$183,004,974	\$6,806,871

Table 9-4 Revenue Requirement and Proposed Base Fee by WSA

WSA	Total Revenue Requirement	Growth in EMUs	FCF per EMU 1" as a base
WSA 1: West Valley	\$185,386,128	18,775	\$9,874
WSA 2: East Valley	\$100,539,404	6,740	\$14,918
WSA 3: Newhall Ranch	\$183,004,974	22,144	\$8,264
WSA 4: Whittaker-Bermite	\$6,806,871	481	\$14,140
	\$475,737,376	48,140	

A base FCF is the fee set for 1-inch meter connections. In order to derive FCFs for the other meter connection sizes, the American Water Works Association’s hydraulic capacity ratios are used. By aligning the FCFs to the hydraulic capacity of the meter connections, the fees are proportionate to the capacity that the new service could demand from the Agency’s infrastructure. Table 9-5 lists the proposed FCFs for each WSA, for each meter connection size.

Table 9-5 Proposed Facility Capacity Fee Table

Proposed Fees based on 1" as a base					
Meter Size	Meter Ratio	WSA 1	WSA 2	WSA 3	WSA 4
5/8"	0.40	\$3,950	\$5,967	\$3,306	\$5,656
3/4"	0.60	\$5,925	\$8,951	\$4,958	\$8,484
1"	1.00	\$9,874	\$14,918	\$8,264	\$14,140
1-1/2"	2.00	\$19,749	\$29,835	\$16,528	\$28,279
2"	3.20	\$31,598	\$47,737	\$26,445	\$45,247
2-1/2"	4.60	\$45,422	\$68,621	\$38,015	\$65,043
3"	6.00	\$59,246	\$89,506	\$49,585	\$84,838
4"	10.00	\$98,743	\$149,177	\$82,642	\$141,397
6"	20.00	\$197,486	\$298,354	\$165,283	\$282,795
8"	32.00	\$315,977	\$477,366	\$264,453	\$452,471
10"	46.00	\$454,218	\$686,214	\$380,151	\$650,427
12"	86.00	\$849,189	\$1,282,922	\$710,718	\$1,216,017

10 CONCLUSION

This the first time that FCFs have been fully updated since the formation of the new Santa Clarita Valley Water Agency in 2018. Determination of fair and reasonable FCFs using financial simulation modeling that result in providing results that can be interpreted with levels of confidence is new to the Agency. It is appropriate for a large retail water purveyor, with aspirations of becoming “Best in class”, to fully consider uncertainty and risk when determining a fair and reasonable fee.

Staff identified and modeled key areas of uncertainty that must be considered when developing FCFs. The model was used to simulate 5,000 independent iterations of randomly selected variations of the interest rates and levels of growth within prescribed boundaries. Staff has recommended a set of FCFs that were produced by their model at an 80% level of confidence that the revenue generated from the FCFs would cover the determined revenue requirement.

It is important to mention again that the risk parameters used in the model are not financially conservative (slanted) towards the Agency. For example, when determining the remaining amount of growth in the Santa Clarita Valley at buildout, the first step was to develop the demand forecast for 2020. This effort was explained in detail to the FCF Key Stakeholder Working Group using the same approach as the past study plus several other alternatives. The FCF Key Stakeholder Working Group agreed to use the results from a financial simulation at a 95% level of confidence that the demand in 2020 would not exceed 66,131 AF (Section 2, Table 2-1). This level of confidence for current demand resulted in a lower amount of growth in demand and a correspondingly lower percentage of capital costs being allocated to growth.

Another example is the interest rate used for financing capital expenditures. A conservative financing rate for the Agency would have been at the higher end of the observed historic values (6.1% as shown in the Statistics Grid of Figure 6.2). The Staff model used rates for future financing that averages 3.63% through buildout, compared to the observed average rate observed 4.22% resulting in lower debt service costs built into the FCFs. These decisions show that the Agency has not only taken steps to address risk in its decision making but has also kept in mind the fee setting objectives of fairness and reasonableness.

The costs associated with growth, while identified, are not guaranteed to be recovered fully through the FCFs. The quantity and sizes of meter connections that will ultimately be added is unknown. Economic conditions, regulatory mandates, technological and cultural changes over the next 30 years will contribute to modifications to full buildout meter connection count. This risk is most appropriately managed by carefully considering the number of EMUs that will be developed. For the 2020 FCF Study Update, financial simulation was used to derive a quantity of EMUs that can be expected at a selected level of confidence. Given the uncertainty recognized by all involved with this Study, as the level of confidence rises, the number of EMUs is reduced (Table 3-5 Level of Confidence, Fees, and Number of EMUs).

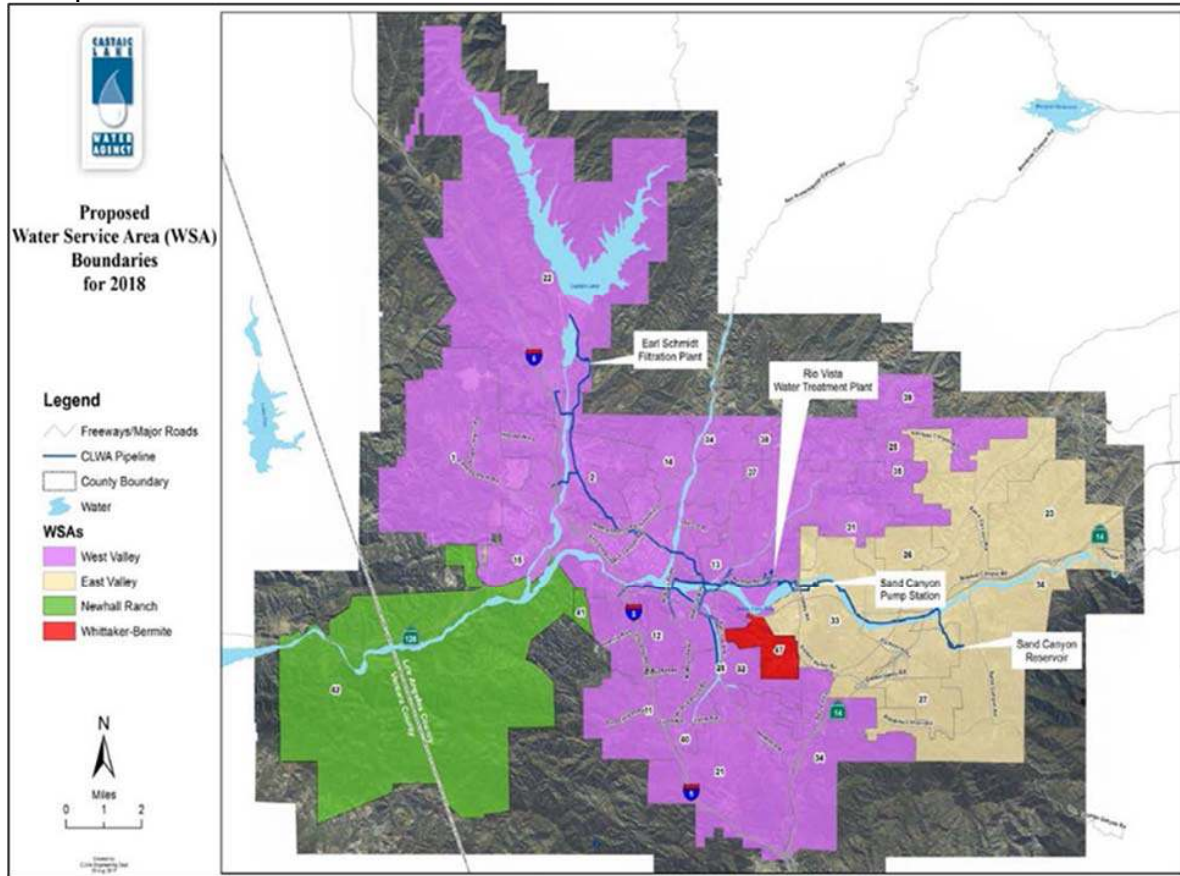
Finally, the recommendation by Staff is to use the modeled FCFs that result in an 80% level of confidence that they would collect the proper amount of revenue has been thoroughly explained in this document. The Agency's Ratepayer Advocate has reviewed the model and its underlying assumptions and has made the following statement in its December 18, 2019 report to the Board of Directors of the Agency:

“...RDN found the FCF model developed by the Agency comprehensive and effective. We believe that the EMU forecasting methodology is defensible.”

However, the model was designed to produce results at other levels of confidence (Table 3-6). There is not a single correct set of FCFs; it is a question of risk tolerance. An acceptable level of risk tolerance for FCF performance will be set by updating the existing FCFs. It is Staff's opinion that more importantly than having the recommended fees approved, output from the model be used as making a risk informed financial decision is a key indicator of growth towards becoming a “Best in Class” Agency.

APPENDIX

Map of the Four Water Service Areas



Total Capital Projects

Line	CIP Project No.	Project Name	Total/Remaining Project Cost	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
1	TBD	Water Supply Banking (10,000 AF)	\$16,390,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,390,400
2	TBD	Stored Water Recovery Unit Replacement	\$8,195,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	200963	Saugus Formation Dry Year Reliability Wells	\$11,155,000	\$0	\$380,000	\$775,000	\$5,000,000	\$5,000,000	\$0	\$0	\$0	\$0	\$0	\$0
4	200453	Recycled Water Program Phase II, 2A (Center Park)	\$15,657,000	\$5,000	\$5,000	\$5,000	\$13,990,000	\$1,652,000	\$0	\$0	\$0	\$0	\$0	\$0
5	200454	Recycled Water Program Phase II, 2B (Vista Canyon)	\$4,820,584	\$3,135,000	\$3,627,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	200455	Recycled Water Program Phase II, 2C (South End)	\$11,869,000	\$150,000	\$150,000	\$5,000	\$5,000	\$6,500,000	\$5,059,000	\$0	\$0	\$0	\$0	\$0
7	200456	Recycled Water Program Phase II, 2D (West Ranch)	\$886,378	\$985,000	\$578,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	TBD	Recycled Water Projects (Alignments A-H)	\$105,885,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,647,500
9	TBD	ESFP Storage Expansion	\$3,721,645	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	TBD	Rio Vista Reservoir Expansion	\$6,957,725	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	TBD	Sand Canyon Reservoir Expansion I	\$18,124,000	\$0	\$0	\$311,000	\$573,000	\$487,000	\$537,000	\$10,476,000	\$5,720,000	\$20,000	\$0	\$0
12	TBD	Sand Canyon Reservoir Expansion II	\$8,575,252	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	200525	Magic Mountain Pipelines 4	\$3,562,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	200526	Magic Mountain Pipelines 5	\$5,339,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	200527	Magic Mountain Pipelines 6	\$13,160,000	\$5,500,000	\$7,650,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	200528	Magic Mountain Reservoir	\$29,865,000	\$170,000	\$315,000	\$3,000,000	\$16,000,000	\$10,000,000	\$380,000	\$0	\$0	\$0	\$0	\$0
17	TBD	Magic Mountain Reservoir II	\$46,600,000	\$0	\$0	\$200,000	\$700,000	\$700,000	\$15,000,000	\$15,000,000	\$15,000,000	\$0	\$0	\$0
18	TBD	Southern Service Area Storage, Pipeline and Pump Station 12 MG	\$63,273,000	\$0	\$0	\$711,000	\$1,416,000	\$1,747,000	\$3,247,000	\$18,839,000	\$37,293,000	\$20,000	\$0	\$0
19	TBD	Southern Service Area Expansion	\$6,782,552	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	200510	Honby Parallel (Phase 2 - ext of Phase 1)	\$22,953,000	\$50,000	\$150,000	\$100,000	\$546,000	\$12,084,000	\$9,869,000	\$77,000	\$77,000	\$0	\$0	\$0
21	200903	Castaic Conduit	\$14,189,000	\$200,000	\$200,000	\$6,259,000	\$6,500,000	\$950,000	\$80,000	\$0	\$0	\$0	\$0	\$0
22	NA	NR WSA Integration	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$0	\$0	\$0	\$0	\$0
23	Total		\$423,960,736	\$19,096,000	\$13,055,000	\$11,396,000	\$44,730,000	\$39,120,000	\$40,172,000	\$44,392,000	\$58,090,000	\$40,000	\$0	\$34,037,900

FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045	FY 2046	FY 2047	FY 2048	FY 2049	FY 2050
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,365,867	\$1,365,867	\$1,365,867	\$1,365,867	\$1,365,867	\$1,365,867
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$17,647,500	\$17,647,500	\$17,647,500	\$17,647,500	\$17,647,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$620,274	\$620,274	\$620,274	\$620,274	\$620,274	\$620,274
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,159,621	\$1,159,621	\$1,159,621	\$1,159,621	\$1,159,621	\$1,159,621
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,429,209	\$1,429,209	\$1,429,209	\$1,429,209	\$1,429,209	\$1,429,209
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,130,425	\$1,130,425	\$1,130,425	\$1,130,425	\$1,130,425	\$1,130,425
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$17,647,500	\$17,647,500	\$17,647,500	\$17,647,500	\$17,647,500	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,705,396	\$5,705,396	\$5,705,396	\$5,705,396	\$5,705,396	\$5,705,396

Total Capital Projects Allocated to Growth

Line	CIP Project No.	Project Name	Total/Remaining Project Growth Cost	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030
1	TBD	Water Supply Banking (10,000 AF)	\$4,917,120	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,917,120
2	TBD	Stored Water Recovery Unit Replacement	\$2,458,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	200963	Saugus Formation Dry Year Reliability Wells	\$3,346,500	\$0	\$836,625	\$836,625	\$836,625	\$836,625	\$0	\$0	\$0	\$0	\$0	\$0
4	200453	Recycled Water Program Phase II, 2A (Center Park)	\$2,348,550	\$469,710	\$469,710	\$469,710	\$469,710	\$469,710	\$0	\$0	\$0	\$0	\$0	\$0
5	200454	Recycled Water Program Phase II, 2B (Vista Canyon)	\$723,088	\$361,544	\$361,544	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	200455	Recycled Water Program Phase II, 2C (South End)	\$1,780,350	\$296,725	\$296,725	\$296,725	\$296,725	\$296,725	\$296,725	\$0	\$0	\$0	\$0	\$0
7	200456	Recycled Water Program Phase II, 2D (West Ranch)	\$132,957	\$132,957	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	TBD	Recycled Water Projects (Alignments A-H)	\$15,882,750	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,647,125
9	TBD	ESFP Storage Expansion	\$1,116,494	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	TBD	Rio Vista Reservoir Expansion	\$2,087,318	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	TBD	Sand Canyon Reservoir Expansion I	\$5,437,200	\$0	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488	\$217,488
12	TBD	Sand Canyon Reservoir Expansion II	\$2,572,576	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	200625	Magic Mountain Pipelines 4	\$1,068,600	\$1,068,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14	200526	Magic Mountain Pipelines 5	\$1,601,700	\$1,601,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	200627	Magic Mountain Pipelines 6	\$3,948,000	\$1,974,000	\$1,974,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	200528	Magic Mountain Reservoir	\$8,959,500	\$1,791,900	\$1,791,900	\$1,791,900	\$1,791,900	\$1,791,900	\$0	\$0	\$0	\$0	\$0	\$0
17	TBD	Magic Mountain Reservoir II	\$13,980,000	\$0	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$1,997,143	\$0	\$0	\$0
18	TBD	Southern Service Area Storage, Pipeline and Pump Station 12 MG	\$18,981,900	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$2,372,738	\$0	\$0	\$0
19	TBD	Southern Service Area Expansion	\$2,034,766	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
20	200510	Honby Parallel (Phase 2 - ext of Phase 1)	\$6,885,900	\$1,147,650	\$1,147,650	\$1,147,650	\$1,147,650	\$1,147,650	\$1,147,650	\$0	\$0	\$0	\$0	\$0
21	200903	Castaic Conduit	\$4,256,700	\$709,450	\$709,450	\$709,450	\$709,450	\$709,450	\$709,450	\$0	\$0	\$0	\$0	\$0
22	NA	NRWSA Integration	\$6,000,000	\$0	\$0	\$0	\$0	\$0	\$6,000,000	\$0	\$0	\$0	\$0	\$0
23	Total		\$110,520,527	\$11,926,973	\$12,174,972	\$9,839,428	\$9,839,428	\$9,839,428	\$12,741,193	\$4,587,368	\$4,587,368	\$217,488	\$217,488	\$7,781,733

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Monthly Financial Report

DECEMBER 2019

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Statements of Revenues and Expenses

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SCV Water - Regional
Statement of Revenues and Expenses
For the 6th Period Ending 12.31.19

(in \$000)

	(A)		(B)		(C)		(D)	(E)		(F)		(G)	
	Actual	Budget	Actual	Budget	Variance	Actual		Budget	Variance	Percent			
(1)	\$1,643	\$1,754			(\$111)		\$13,914	\$12,881	\$1,033		8%	(1)	
(2)	\$1,643	\$1,754			(\$111)		\$13,914	\$12,881	\$1,033		8%	(2)	
(3)	330	148	182				1,113	910	203		22%	(3)	
(4)	447	457	(10)				2,402	2,853	(451)		(16%)	(4)	
(5)	251	123	128				892	781	111		14%	(5)	
(6)	326	315	11				1,474	1,730	(256)		(15%)	(6)	
(7)	123	93	30				561	531	30		6%	(7)	
(8)	1,680	2,377	(697)				4,475	4,543	(68)		(1%)	(8)	
(9)	548	426	122				2,870	2,622	248		9%	(9)	
(10)	\$3,705	\$3,939	(\$234)				\$13,787	\$13,970	(\$183)		(1%)	(10)	
(11)	(\$2,062)	-\$2,185	\$123				\$127	-\$1,089	\$1,216		(112%)	(11)	
(12)	\$12,069	\$12,811	(\$742)				\$16,151	\$18,700	(\$2,549)		(14%)	(12)	
(13)	(5,391)	(1,477)	(3,914)				(2,699)	(8,862)	6,163		(70%)	(13)	
(14)	(4)	(16)	12				(19,998)	(20,023)	25		(0%)	(14)	
(15)	\$6,674	\$11,318	(\$4,644)				(\$6,546)	(\$10,185)	\$3,639		(36%)	(15)	
(16)	\$4,612	\$9,133	(\$4,521)				(\$6,419)	(\$11,274)	\$4,855		(43%)	(16)	

Operating Revenues

Water Sales
Total Operating Revenues

Operating Expenses

Management
Administration
Engineering
Maintenance
Water Quality & Regulatory Affairs
Water Resources
Water Treatment Operations
Total Operating Expenses

Net Operating Revenues (Expenses)

Non-Operating Revenues and (Expenses)

Non-Operating Revenues
Capital Improvement Projects
Debt Service
Net Non-Operating Revenues and (Expenses)

Increase (Decrease) in Net Position

Large Disbursement Check Registers

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SCV Water - Regional Division
 Ten Largest Disbursements
 From: Dec 1, 2019 to Dec 31, 2019

No.	Vendor Name	Check Number	Check Date	Description	Amount
	DEPARTMENT OF WATER RESOURCES	41120	12/17/2019	OCTOBER 2019 VARIABLE	850,205.00
1	DEPARTMENT OF WATER RESOURCES				850,205.00
	COUNTY SANITATION DISTRICT NO. 32	41156	12/17/2019	DROUGHT GRANT #17	794,484.55
2	COUNTY SANITATION DISTRICT NO. 32				794,484.55
	SOUTHERN CALIFORNIA EDISON	41161	12/17/2019	ELECTRICITY-OTHER	6,706.40
				ELECTRICITY-PUMPING	169,035.46
				ELECTRICITY-TREATMENT PLANTS	13,239.03
				ELECTRICITY - WELLS	16,691.05
3	SOUTHERN CALIFORNIA EDISON				205,671.94
	X-ACT TECHNOLOGY SOLUTIONS, INC.	41294	12/24/2019	SAN REPLACEMENT P1	90,000.00
				SAN REPLACEMENT P2	45,000.00
4	X-ACT TECHNOLOGY SOLUTIONS, INC.				135,000.00
	NOSSAMAN LLP	41296	12/26/2019	PERCHLORATE NOV 2019-NWD	31,629.85
				PERCHLORATE NOV 2019-SCWD	30,929.85
				PERCHLORATE NOV 2019-VWD	31,629.85
				PERCHLORATE NOV 2019	33,490.35
5	NOSSAMAN LLP				127,679.90
	VALENCIA COMMERCE CENTER ASSOC.	41284	12/24/2019	P5-S1 LL TURF REMOVAL	68,588.00
				P5-S2 LL TURF REMOVAL	52,572.00
6	VALENCIA COMMERCE CENTER ASSOC.				121,160.00
	NOSSAMAN LLP	41297	12/31/2019	PERCHLORATE OCT 2019-NWD	26,091.62
				PERCHLORATE OCT 2019-SCWD	26,091.62
				PERCHLORATE OCT 2019-VWD	26,091.62
				PERCHLORATE OCT 2019	26,091.65
7	NOSSAMAN LLP				104,366.51
	CITY OF SANTA CLARITA	41114	12/17/2019	CF 20-0003 REFUND-SCWD	14,494.00
				CF 20-0003 REFUND	57,976.00
8	CITY OF SANTA CLARITA				72,470.00
	BEST BEST & KRIEGER LLP	41217	12/24/2019	CLWA CELL SITE	780.00
				GENERAL LEGAL NOV	1,080.00
				EMPLOYEE BENEFITS NOV	1,365.00
				VISTA CANYON NOV	4,740.00
				GENERAL LEGAL NOV	4,834.92
				PUB RECORDS REQUEST	5,660.00
				GENERAL LEGAL OCT	11,671.14
				WATERSHED INITIATIVE	28,074.00
				VWC DISSOLUTION NOV	546.00
				WATERFIX LITIGATION	325.00
				CASTAIC CONDUIT OCT	335.40
9	BEST BEST & KRIEGER LLP				59,411.46
	GOLDMAN SACHS RENEWABLE POWER OPERATII	41275	12/24/2019	NOV 2019 SERVICE	28,796.70
				NOV 2019 SERVICE-SCWD	28,796.69
10	GOLDMAN SACHS RENEWABLE POWER OPERATING CO., LLC/SOLAR STAR CALIFORNIA XXVIII LLC				57,593.39
	Summary				2,528,042.75
Largest Ten Vendor Payments as Compared to Total					65%
Summary-All Checks Issued During December 2019					3,884,025.13

SCV Water-Newhall Water Division
 Ten Largest Disbursements
 December 1, 2019 to December 31, 2019

Vendor Name	Check Number	Check Date	Description	Amount
SCV WATER	113801	12/04/2019	DUE TO/FROM - SHARED PAYROLL AND SERVICES 10/19	377,162.32
			LAB FEES 11/19	1,476.00
1 SCV WATER				378,638.32
SCV WATER	113841	12/19/2019	PURCHASED WATER 11/19	43,103.20
			PURCHASED WATER 11/19 - SAUGUS WELL # 1 & 2	15,400.56
			FIXED WATER CHARGE 11/19	133,872.30
2 SCV WATER				192,376.06
EDISON CO	113787	12/04/2019	A/C # 2-40-708-3856 10/19	63,802.37
3 EDI SON CO				63,802.37
EDISON CO	113856	12/26/2019	A/C # 2-40-708-3344 11/19	11,884.24
			A/C # 2-40-708-3856 11/19	41,477.42
4 EDI SON CO				53,361.66
X-ACT TECHNOLOGY SOLUTIONS INC	113849	12/19/2019	HOST REPLACEMENT, SUBSCR LICENSES & WARRANTY 300-	35,000.00
			SWITCH REPLACEMENTS & ENTERPRISE SUPPORT 300-1077	10,000.00
			WIFI REPLACEMENTS 300-1077	7,500.00
5 X-ACT TECHNOLOGY SOLUTI ONS I NC				52,500.00
SWRCB ACCOUNTING OFFICE	113867	12/26/2019	WATER SYSTEM FEES - NEWHALL 7/1/19-6/30/20	17,418.50
			WATER SYSTEM FEES - CASTAIC 7/1/19-6/30/20	10,122.75
			WATER SYSTEM FEES - PINETREE 7/1/19-6/30/20	13,537.70
6 SWRCB ACCOUNTI NG OFFI CE				41,078.95
ROBERT HARRIS INSURANCE AGENCY INC	113818	12/12/2019	POLLUTION INSURANCE POLICY RENEWAL	20,285.90
7 ROBERT HARRI S I NSURANCE AGENCY I NC				20,285.90
SKAUG TRUCK BODY WORKS	113865	12/26/2019	(1) UTILITY BODY - UNIT # 61 300-1051	16,731.00
8 SKAUG TRUCK BODY WORKS				16,731.00
LAYNE CHRISTENSEN COMPANY	113837	12/19/2019	(1) SUBMERSIBLE PUMP/MOTOR - PINETREE BSTR 300-1071	15,971.76
9 LAYNE CHRI STENSEN COMPANY				15,971.76
AMERICAN EXPRESS	113809	12/12/2019	OFFICE SUPPLIES, WEB SERVICES, GIFT CARDS 11/19	11,697.42
10 AMERI CAN EXPRESS				11,697.42
Summary				846,443.44

SCV WATER
Santa Clarita Water Division
Ten Largest Disbursements
From: December 1, 2019 to December 31, 2019

#	Vendor Name	Transaction Description	Transaction Amount
	SANTA CLARITA VALLEY WATER AGENCY	FIXED NOVEMBER 2019	\$650,408.39
		NOVEMBER 2019 LAB	\$2,534.00
		NOVEMBER 2019 SAUGUS	\$42,000.00
		NOVEMBER 2019 VARIABLE	\$365,252.87
		SERVICE - GOLDEN VALLEY SHERIFF STATION	\$96.00
1	SANTA CLARITA VALLEY WATER AGENCY		\$1,060,291.26
	SO. CALIFORNIA EDISON CO.	ACCOUNT 4652 DECEMBER 2019	\$2,963.19
		ACCOUNT 4652 NOVEMBER 2019	\$57,428.56
		ACCOUNT 7457 NOVEMBER 2019	\$92,957.52
		ACCOUNT 7457 DECEMBER 2019	\$17.10
		OFFICE DECEMBER 2019	\$1,992.35
		WAREHOUSE DECEMBER 2019	\$1,335.76
2	SO. CALIFORNIA EDISON CO.		\$156,694.48
	AQUA METRIC SALES CO.	1 1/2" OMNI T-2 METER	\$5,944.07
		1" I-PERL T/R METER	\$15,560.38
		2" OMNI T-2 100 CU FT METER	\$27,895.13
		3" & 4" OMNI 100 CU FT METER	\$11,717.03
		3/4" I-PERI TR/PL METERS	\$14,662.48
		8" OMNI T-2 METER	\$28,645.20
		MXU520MDP T/C MODULE	\$11,389.61
		OMNI T-2 METERS	\$2,845.50
3	AQUA METRIC SALES CO.		\$118,659.40
	E&M ELECTRIC AND MACHINERY, INC.	DEVELOPMENT LICENSE AND SUPPORT	\$16,811.67
		WORK FOR VALENCIA WATER DIVISION - WONDERWARE LICENSE	\$2,136.95
		WORK FOR VALENCIA WATER DIVISION - DEVELOPMENT LICENSE AND SUPPORT	\$32,103.34
		WORK FOR NEWHALL WATER DIVISION - WONDERWARE LICENSE	\$2,136.94
		WORK FOR NEWHALL WATER DIVISION - DEVELOPMENT LICENSE AND SUPPORT	\$32,103.32
		FY 19/20 SCADA	\$2,136.95
		FY 19/20 SCADA	\$15,291.67
4	E&M ELECTRIC AND MACHINERY, INC.		\$102,720.84
	WOODARD & CURRAN INC	SERVICE - GOLDEN VALLEY SHERIFF STATION	\$16,483.20
		TR 73858 - PLUM CANYON LOT 1	\$57,961.50
5	WOODARD & CURRAN INC		\$74,444.70
	SWRCB ACCOUNTING OFFICE	ANNUAL FEES 7/19 - 6/20	\$34,501.85
		ANNUAL FEES 7/19 - 6/20	\$34,501.84
6	SWRCB ACCOUNTING OFFICE		\$69,003.69
	CIVILTEC ENGINEERING INC.	TR 60922 - SKYLINE RANCH	\$29,227.00
		16" TRANS MAIN - SIERRA HWY	\$1,248.75
		DEANE TANKS	\$745.00
7	CIVILTEC ENGINEERING INC.		\$31,220.75

SCV WATER
Santa Clarita Water Division
Ten Largest Disbursements
From: December 1, 2019 to December 31, 2019

#	Vendor Name	Transaction Description	Transaction Amount
	NEWHALL WATER DIVISION-SCVWA	EMPLOYEE GIFT CARDS	\$2,840.31
		EQUIPMENT - AUMOND STREET LEAK	\$513.00
		FMIS DEMO CATERING	\$462.72
		HOLIDAY LUNCHEON	\$105.57
		OCTOBER 2019 EQUIPMENT	\$594.00
		OCTOBER 2019 LABOR	\$5,851.13
		OCTOBER 2019 LABOR - OVERTIME	\$2,248.59
		PARTS - AUMOND STREET LEAK	\$658.20
		REPAIR 14' MAIN EQUIPMENT	\$522.50
		SERVICE GOLDEN VALLEY SHERIFF STATION - EQUIPMENT	\$135.00
		SERVICE GOLDEN VALLEY SHERIFF STATION - EQUIPMENT	\$1,851.00
		SERVICE GOLDEN VALLEY SHERIFF STATION - MATERIALS	\$2,717.27
		PFAS STUDY - EQUIPMENT	\$168.00
		SERVICE LEAK 11/10 EQUIPMENT	\$70.00
		VALVE BOOSTER STATIONS	\$4,033.53
		WATER QUALITY SUPPLY	\$4,134.16
		WATER QUALITY SUPPLY	\$2,968.75
8	NEWHALL WATER DIVISION-SCVWA		\$29,873.73
	INFOSEND, INC.	ADDITIONAL SALES TAX	(\$22.80)
		ADDITIONAL SALES TAX	(\$21.89)
		NOVEMBER 2019 E-BILLING	\$552.43
		NOVEMBER 2019 BILLING	\$3,363.87
		NOVEMBER 2019 POSTAGE	\$10,344.54
		OCTOBER 2019 E-BILLING	\$3,508.97
		OCTOBER 2019 POSTAGE	\$10,957.89
9	INFOSEND, INC.		\$28,683.01
	STAATS CONSTRUCTION INC.	FY 19/20 TANK OVERFLOW IMPROVEMENTS	\$21,540.00
10	STAATS CONSTRUCTION INC.		\$21,540.00

Summary - Largest Ten Payments Made During the Month **\$1,693,131.86**

Summary - All Vendors Paid During the Month **\$1,979,467.56**

Largest Ten Vendor Payments as Compared to Total Monthly Check Register **86%**

Santa Clarita Valley Water Agency

Valencia Water Division

Ten Largest Disbursement

December 31, 2019

	Vendor Name	Description	Total
	SANTA CLARITA VALLEY WATER AGENCY	Due to Regional Div, Oct19	449,943.46
		Lab testing-Nov Water Soften'g	80.00
		Due to Regional, PD 13	719,992.35
		Qtr Pymnt Acq Interfund Loan	1,179,398.75
		Fixed water charge, Nov 2019	474,570.71
		Variable water, Nov 019	349,361.66
		LAB FEES, NOV	5,994.00
		ALLOCATIONS NOV	75,220.00
1	SANTA CLARITA VALLEY WATER AGENCY Total		3,254,560.93
	RC BECKER & SON INC.	NRR/Dickason Mainline Repair	259,150.54
		NRR/Bouquet Cyn Rd Main Repair	51,130.24
2	RC BECKER & SON INC. Total		310,280.78
	SOUTHERN CALIFORNIA EDISON CO	Purchased Power 11/19	156,715.02
3	SOUTHERN CALIFORNIA EDISON CO Total		156,715.02
	EVOQUA WATER TECHNOLOGIES LLC	Filtration media service J8147	108,162.36
4	EVOQUA WATER TECHNOLOGIES LLC Total		108,162.36
	SANTA CLARITA WATER DIVISION	March 19 -June 19 Payroll	44,367.68
5	SANTA CLARITA WATER DIVISION Total		44,367.68
	CORE & MAIN LP	3/4x7 HiCap Meters (12)	3,485.12
		(50) 90 Bend Couplings	725.99
		(2) Adj Valve Oper Wrenches	318.71
		(56) B9X Meter Box Body	1,866.10
		3" & 4" Octave Meter, encoders	4,155.18
		(2) Valve Key	307.87
		Meter #196 service & repair	158.77
		Gen'l mtce tools	686.00
		(4) Front/Rear Coupling	834.21
		W201 FLG RW DI GL OL ON	1,437.61
		Meter #72 test and repair	247.09
		3/4X7 BL06 Meter CF3G (60)	13,603.85
		5/8X3/4X1 BMV IPSXMN (20)	2,397.62
		6X6 Hydrant riser 6H (3)	207.74
		850 CLOW Hydrants 93)	4,971.26
		Meter #216 test, repair	359.46
		Meter Cover 50	491.78
		3/4 Meter Washers	203.00
6	CORE & MAIN LP Total		36,457.36
	STYLO GROUP L.L.P.	MISSION VILLAGE TRACT 61105-01	2,125.00
		PM , PLAN REVIEW NOV.	10,025.00
		Nov svcs	10,825.00
		MISSION V. DEMINERALIZATION	1,237.50

Santa Clarita Valley Water Agency

Valencia Water Division

Ten Largest Disbursement

December 31, 2019

	Vendor Name	Description	Total
7	STYLO GROUP L.L.P. Total		24,212.50
	TRC SOLUTIONS	PM services thru 103119	21,339.00
8	TRC SOLUTIONS Total		21,339.00
	DATAPROSE, LLC	Customer Records PO# R52539	12,586.36
9	DATAPROSE, LLC Total		12,586.36
	ROYAL INDUSTRIAL SOLUTIONS	Hasley Tank mtce parts	214.61
		Commerce Booster parts,supply	141.10
		Commerce Tank,parts &supply	269.55
		Tools for SCADA	-
		J6737 Parts & Supply	2,944.59
		Well 206 mtce parts	175.87
		Parts for emergency power upgr	402.30
		1P 15A CB	89.93
		(1) Clamp	6.53
		Cable Ties/Presley Booster	81.81
		V2 SCADA parts, supplies	331.91
		Emergency Power parts,supplies	2,730.23
		Fuses for N Well	896.31
		Well S6 parts, supply	663.47
		V2 SCADA/parts, supplies	261.20
		V2 SCADA, parts and supplies	94.77
10	ROYAL INDUSTRIAL SOLUTIONS Total		9,304.18
	Grand Total		3,977,986.17

Grand Total	4,029,367.70
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Top Ten Percentage Compared to Total Monthly Check Payments	99%
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Director Stipends

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Director Lynne Plambeck

Date	Meeting	Amount
12/02/19	ACWA 2019 Fall Conference	\$228.15
12/03/19	ACWA 2019 Fall Conference	\$228.15
12/04/19	ACWA 2019 Fall Conference	\$228.15
12/05/19	ACWA 2019 Fall Conference	\$228.15
12/06/19	ACWA 2019 Fall Conference	\$228.15
12/09/19	Special Engineering and Operations Committee Meeting	\$228.15
12/17/19	Regular Board Meeting	\$228.15
	Stipend Total	\$1,597.05
	Total Paid Days	7
	Total Meetings	7

TOTAL PAID DAYS	77
TOTAL MEETINGS	82
TOTAL STIPENDS	\$17,567.55

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Director Reimbursements

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CA Govt. Code Section 53065.5

List of Reimbursement for "Individual Charges" = \$100 or more

Annual Disclosure for Fiscal Year **AP Transactions Updated as of: 12/31/2019**

cash.

DIRECTORS

Date of Reimbursement	Recipient of Reimbursement	Reason for Reimbursement	Amount
12/23/19	Campbell, Thomas	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/6/19 Expense (Lodging)	1,313.12
12/23/19	Campbell, Thomas	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/6/19 Travel Expense (Mileage & Parking)	328.28
12/23/19	Colley, Kathy	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/6/19 Expense (Lodging & Meals)	846.50
12/23/19	Colley, Kathy	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/6/19 Travel Expense (Mileage)	14.96
12/23/19	Cooper, Bill	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/6/19 Expense (Lodging & Meals)	1,072.34
12/23/19	Cooper, Bill	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/6/19 Travel Expense (Mileage & Parking)	319.80
12/23/19	DiPrimio, Robert	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/5/19 Expense (Lodging & Meals)	519.43
12/23/19	DiPrimio, Robert	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/5/19 Travel Expense (Parking)	70.00
12/23/19	Ford, Jeff	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/5/19 Expense (Meals & Lodging)	844.13
12/23/19	Ford, Jeff	ACWA 2019 Fall Conference, San Diego - 12/3/19-12/5/19 Travel Expense (Mileage & Parking)	368.64
12/23/19	Gladbach, Edward	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Expense (Meals)	86.98
12/23/19	Gladbach, Edward	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Travel Expense (Mileage, Parking)	97.22
12/23/19	Gladbach, Edward	ACWA Board Meeting, Sacramento - 11/22/19 - Travel Expense (Taxi, Airfare, Mileage, Parking)	636.62
12/23/19	Gladbach, Edward	NWRA Conference, Houston, Texas - 11/5/19 - 11/8/19 - Expense (Lodging, Meals)	1,019.89
12/23/19	Gladbach, Edward	NWRA Conference, Houston, Texas - 11/5/19 - 11/8/19 - Registration	695.00
12/23/19	Gladbach, Edward	NWRA Conference, Houston, Texas - 11/5/19 - 11/8/19 - Travel Expense (Mileage, Parking, Shuttle, Airfare, Uber)	1,384.02
12/23/19	Gutzeit, Maria	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Expense (Lodging, Meals)	560.89
12/23/19	Gutzeit, Maria	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Travel Expense (Mileage, Parking)	340.12
12/23/19	Kelly, R.J.	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Expense (Lodging, Meals)	1,013.14
12/23/19	Kelly, R.J.	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Travel Expense (Mileage, Parking)	417.94
12/23/19	Martin, Gary	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Expense (Lodging, Meals)	1,211.99

12/23/19	Martin, Gary	ACWA 2019 Fall Conference, San Diego - 12/4/19 - 12/6/19 - Travel Expense (Mileage, Parking)	353.64
12/23/19	Plambeck, Lynne	ACWA 2019 Fall Conference, San Diego - 12/2/19 - 12/6/19 - Expense (Lodging, Meals)	971.23
12/23/19	Plambeck, Lynne	ACWA 2019 Fall Conference, San Diego - 12/2/19 - 12/6/19 - Travel Expense (Mileage, Parking)	212.92
01/27/20	Mortensen, Daniel	ACWA Fall Conference, San Diego 12/3/19-12/6/19 - Expense (Meals, Lodging)	756.11
01/27/20	Mortensen, Daniel	ACWA Fall Conference, San Diego 12/3/19-12/6/19 - Travel Expense (Mileage, Parking)	299.88

15,754.79

Investment Reports

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Regional Division
Cash and Investment Summary
12/31/19

	Balance	Percent of Total	Average Remaining Life Days	Weighted Average Yield
<u>Agency Funds</u>				
Cash & Sweep Account	\$ 1,177,338	0.69%	-	1.504%
LAIF - Regional (excludes Retail Divisions)	31,952,884	18.68%	-	2.043%
LACPIF	66,654,890	38.96%	-	1.830%
State and Local Agencies	7,494,893	4.38%	1,515	2.645%
Federal Agencies	53,500,000	31.27%	354	1.579%
Total Agency	<u>160,780,005</u>			
<u>Capital Improvement Project Funds</u>				
Cash & Sweep Account	\$ 7,092,815	4.14%	-	1.504%
LAIF	3,214,956	1.88%	-	2.043%
Federal Agencies	-	0.00%	0	0.000%
Total CIP	<u>10,307,771</u>			
Total Cash and Investment	<u><u>\$ 171,087,776</u></u>	<u>100.00%</u>		1.815%

Restricted State Water Project Cash / Invest: 66,672,900 Included in totals above.

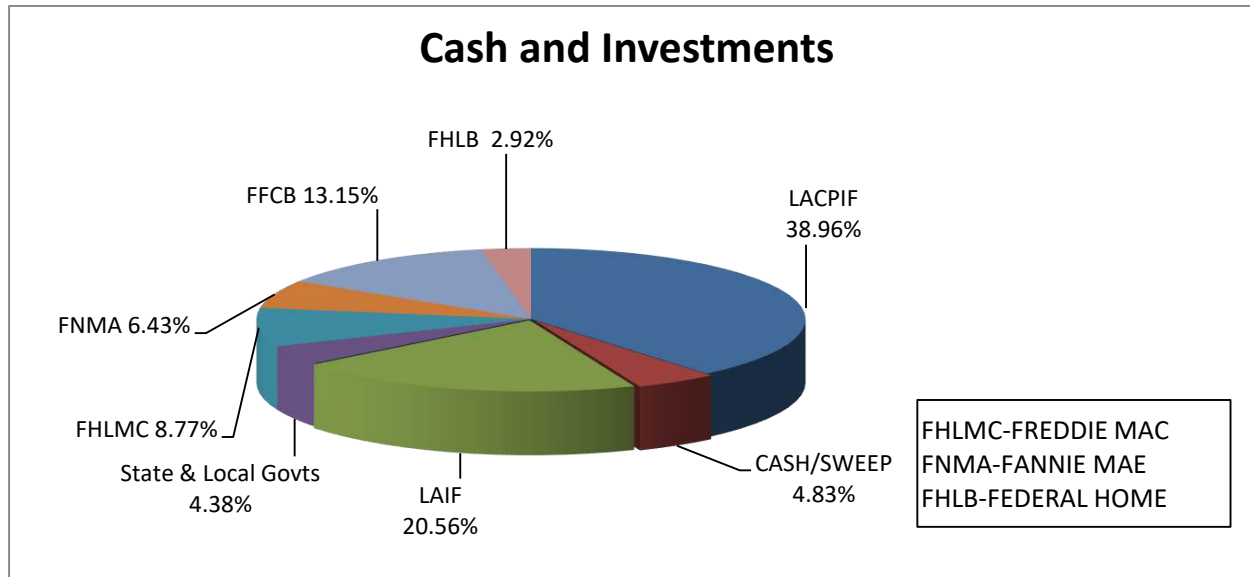
I certify that all investment actions executed since the last investment report have been made in full compliance with the Investment Policy as adopted by the Board of Directors, and that the Agency will meet its expenditure obligations for the next 6 months as required by Government Code Section 53646(b)(2) and (3), respectively.



Rochelle Patterson
Treasurer/Director of Finance & Administration



Amy Aguer
Controller



12/31/19

Regional Division General Funds Invested:

<u>Description</u>	<u>Cost</u>	<u>Rate</u>	<u>Yield</u>	<u>Purchase Date</u>	<u>Maturity Date</u>	<u>Life Days</u>	<u>Rem. Days</u>	<u>Average Interest</u>
State and Local Agency Investment Portfolio								
State of California GO Bonds	1,946,780	2.250%	2.862%	01/25/19	10/01/23	1710	1370	43,803
State of California GO Bonds	3,098,130	2.890%	2.890%	05/28/19	04/01/24	1770	1553	89,536
Semitropic Improvement District	1,302,044.80	2.262%	2.262%	10/30/19	12/01/23	1493	1431	29,452
San Diego Successor Agency	1,147,938.00	3.000%	2.052%	10/23/19	09/01/24	1775	1706	34,438
	<u>\$ 7,494,893</u>						<u>6060</u>	<u>197,229</u>
		Weighted Avg Yield	<u>2.645%</u>			Avg Remaining Life	<u>1,515</u>	Days

Federal Government Agency Investment Portfolio

FFCB	2,500,000	1.240%	1.240%	07/13/16	01/13/20	1279	13	31,000 #
FFCB	5,000,000	1.360%	1.360%	05/18/16	02/18/20	1371	49	68,000 #
FHLB	5,000,000	1.450%	1.450%	03/30/16	03/30/20	1461	90	72,500 #
FFCB	5,000,000	1.470%	1.470%	06/29/16	06/29/20	1461	181	73,500 #
FNMA	6,000,000	1.500%	1.500%	06/30/16	09/29/20	1552	273	90,000 #
FHLMC	5,000,000	1.750%	1.750%	04/26/17	10/26/20	1279	300	87,500 #
FFCB	5,000,000	1.350%	1.350%	11/02/16	11/02/20	1461	307	67,500 #
FFCB	5,000,000	1.440%	1.440%	07/16/16	01/19/21	1648	385	72,000 #
FNMA	5,000,000	1.550%	1.550%	08/24/16	08/24/21	1826	602	77,500 #
FHLMC	5,000,000	2.000%	2.000%	04/27/17	04/27/22	1826	848	100,000 #
FHLMC	5,000,000	2.100%	2.100%	04/27/17	04/27/22	1826	848	105,000 #
	<u>\$ 53,500,000</u>						<u>3896</u>	<u>844,500</u>
		Weighted Avg Yield	<u>1.579%</u>			Avg Remaining Life	<u>354</u>	Days

Regional Division CIP Funds Invested:

<u>Description</u>	<u>Par Value</u>	<u>Rate</u>	<u>Yield</u>	<u>Purchase Date</u>	<u>Maturity Date</u>	<u>Life Days</u>	<u>Rem. Days</u>	<u>Average Interest</u>
Federal Government Agency Investment Portfolio								
	<u>\$ -</u>						<u>0</u>	<u>0</u>
		Weighted Avg Yield	<u>#DIV/0!</u>			Avg Remaining Life	<u>#DIV/0!</u>	Days


Callable
Cash & Sweep Account, LAIF, and LACPIF are liquid investments.

Newhall Water Division
Cash and Investment Summary
As of December 31, 2019

<u>Operating and Reserve Funds</u>	Balance	Percent of Total	Average Remaining Life Days	Weighted Avg. Yield
Cash & Sweep Account	\$ 3,474,368	24.97%		1.50%
LAIF	7,721,415	55.49%		2.04%
UBS Certificates of Deposit	2,720,000	19.54%	859	2.25%
Total	\$ 13,915,783	100.00%		
Total Cash and Investment	\$ 13,915,783	100.00%		

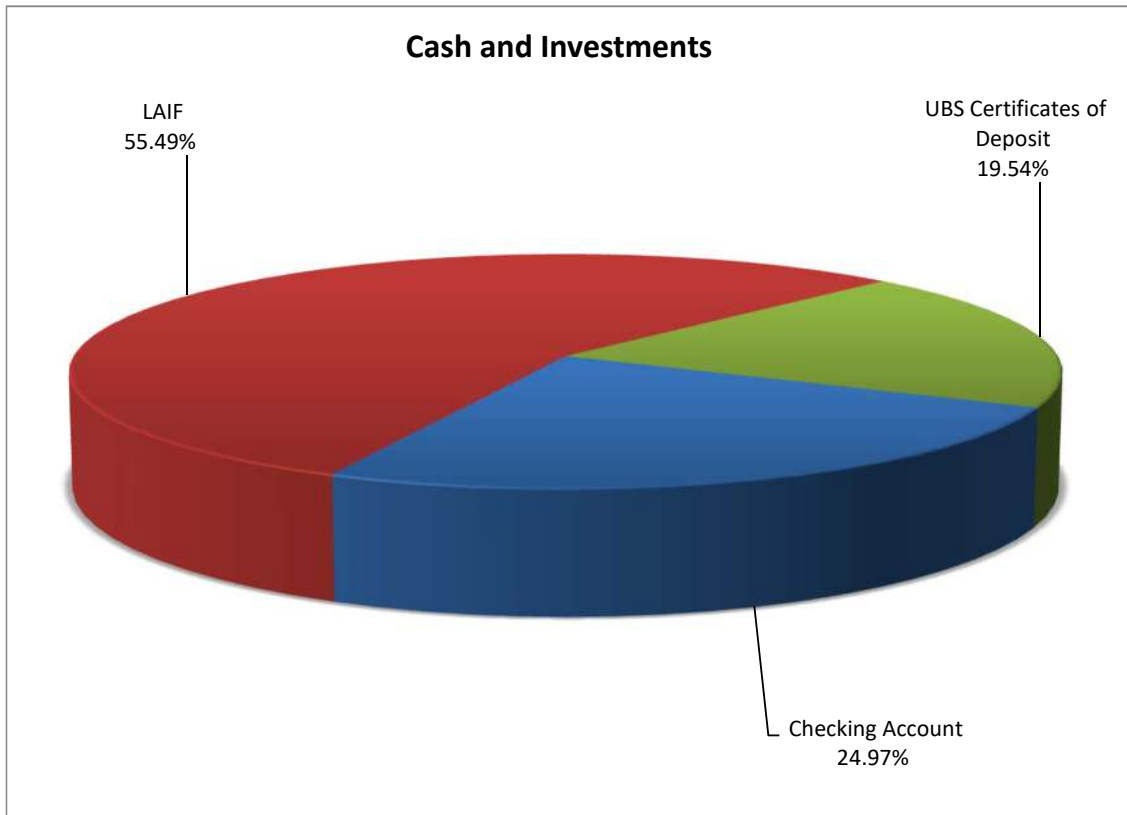


Rochelle Patterson
Director of Finance and Administration/Treasurer



Amy Aguer
Controller

I certify that the investments of the Newhall Water Division are in compliance with the Investment Policy as adopted by the Board of Directors, and that the Division has the ability to meet the expenditure requirements for the next 6 months.



NEWHALL WATER DIVISION
As of December 31, 2019

<u>Description</u>	<u>Rate</u>	<u>Yield</u>	<u>Market Value</u>
Wells Fargo Bank Cash & Sweep	1.50%	1.50%	\$ 3,474,368
Local Agency Investment Fund (LAIF)	2.04%	2.04%	7,721,415
			<u>\$ 11,195,783</u>

<u>Description</u>	<u>Par</u>	<u>Rate</u>	<u>Yield</u>	<u>Purchase Date</u>	<u>Maturity Date</u>	<u>Average Remaining Days</u>	<u>Average Interest</u>
<u>UBS Certificates of Deposit</u>							
MUFG Union Bank NA CA US	200,000	2.85%	2.85%	10/11/18	10/16/20	289	5,700
BMW Bank UT US	200,000	2.20%	2.20%	10/29/15	10/16/20	289	4,400
Compass Bank AL US	200,000	2.95%	2.95%	10/11/18	10/19/20	291	5,900
American Express C UT US	200,000	2.25%	2.25%	10/29/15	11/04/20	308	4,500
Capital One Bank VA US	200,000	2.15%	2.15%	10/29/15	11/04/20	455	4,300
World's Foremost B NE US	200,000	1.80%	1.80%	03/24/16	03/31/21	455	3,600
JP Morgan Chase Bank DE US	100,000	1.70%	1.70%	09/26/16	09/30/21	638	1,700
Wells Fargo Bank NA SD US	200,000	1.75%	1.75%	10/27/16	11/02/21	671	3,500
State Bank of India NY US	200,000	2.25%	2.25%	01/30/17	02/09/22	770	4,500
Goldman Sachs Bank NY US	200,000	2.35%	2.35%	10/24/17	11/01/22	1,035	4,700
Bank of Fordward ND US	210,000	2.90%	2.90%	03/29/19	03/20/24	1,571	6,090
HSBC Bank USA NA VA US	210,000	2.00%	2.00%	10/08/19	09/23/24	1,726	4,200
First United B&T CO OK US	200,000	2.05%	2.05%	10/31/19	10/11/24	1,744	4,100
Sallie Mae Bank UT US	200,000	1.95%	1.95%	11/22/19	11/20/24	1,784	3,900
	<u>\$ 2,720,000</u>					<u>859</u>	<u>\$ 61,090</u>

NWD Total Cash and Investments

13,915,783

SCV Water
 Santa Clarita Water Division
 Cash and Investment Summary
 As of December 31, 2019

SCWD*	Balance	Percent of Total	Maximum Concentration Allowed	Average Remaining Life Days	Weighted Avg. Yield
Retail Division Cash and Sweep	9,614,704	18.55%	n/a		1.50%
Wells Fargo Government I 1751 MMF	6,325,144	12.20%	10%		1.53%
FNMA Bond	2,000,000	3.86%	100%	116	1.63%
FHLB Bond	3,500,000	6.75%	100%	250	1.59%
FHLMC Bond	3,290,000	6.35%	100%	503	2.40%
LAIF	21,052,863	40.62%	State Max	-	2.04%
California State Taxable Municipal Bond	1,500,000	2.89%	30%	275	2.30%
Wells Fargo Certificates of Deposit	4,550,000	8.78%	30%	368	2.45%
Total	51,832,710	100.00%			
Total Cash and Investment**	51,832,710	100.00%			

* See SCWD Portfolio on next page for detailed descriptions.

** Total for SCWD includes estimated \$2,569,003 in refundable Developer Deposits.

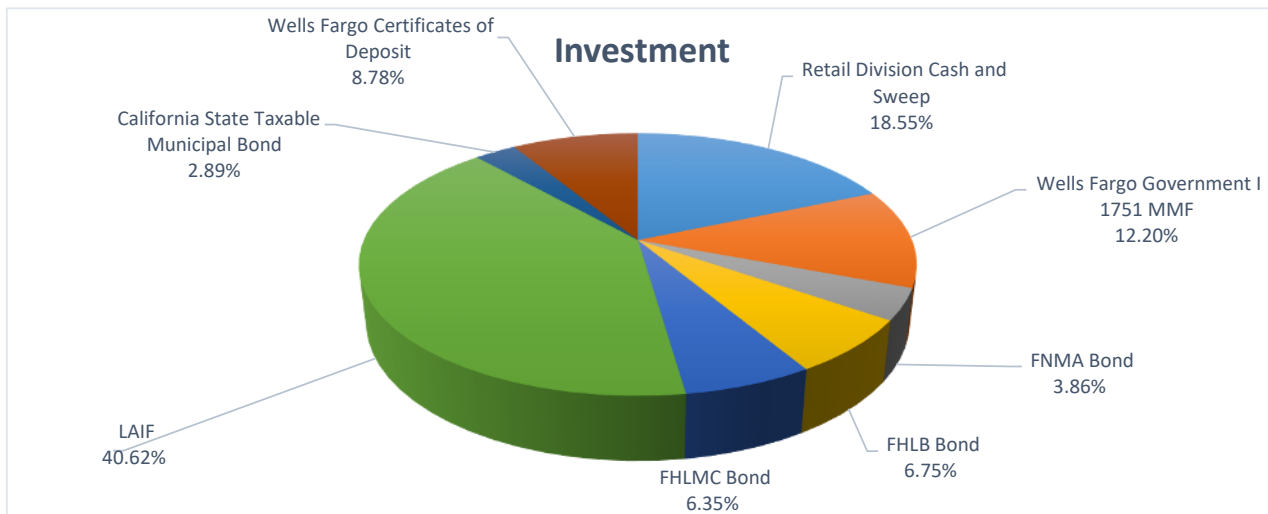
I certify that the investments of the Santa Clarita Water Division are in compliance with the Investment Policy as adopted by the Board of Directors, and that the Division has the ability to meet the expenditure requirements for the next 6 months.



Rochelle Patterson
 Director of Finance and Administration/Treasurer



Elizabeth Ooms-Graziano
 Retail Administrative Officer



SCV Water
Santa Clarita Water Division
Cash and Investment Summary
As of December 31, 2019

<u>Description</u>	<u>Balance</u>	<u>Rate</u>	<u>Yield</u>
Cash and Sweep (Cash in Bank)	9,614,704	1.50%	1.50%
Local Agency Investment Fund (LAIF)	21,052,863	2.04%	2.04%
Wells Fargo Government I 1751 Money Market Fund (MMF)	6,325,144	1.53%	1.53%
	<u>36,992,710</u>		

<u>Description</u>	<u>Par</u>	<u>Rate</u>	<u>Yield</u>	<u>Purchase Date</u>	<u>Maturity Date</u>	<u>Life Days</u>	<u>Remaining Days</u>	<u>Average Interest</u>
<u>Federal Government Agency Investment Portfolio</u>								
Fannie Mae [†] (FNMA)	1,000,000	1.50%	1.50%	12/16/16	03/16/20	1,187	76	15,000
Federal Home Loan Bank [†] (FHLB)	2,000,000	1.75%	1.75%	01/30/17	07/30/20	1,278	212	35,000
Fannie Mae [†] (FNMA)	1,000,000	1.75%	1.75%	12/28/16	09/28/20	1,371	272	17,500
Federal Home Loan Bank [†] (FHLB)	1,500,000	1.38%	1.38%	07/13/16	10/13/20	1,554	287	20,625
Freddie Mac (FHLMC)	2,000,000	2.50%	2.50%	07/24/19	01/24/22	1,081	597	50,000
Freddie Mac (FHLMC)	1,290,000	2.25%	2.25%	07/08/19	07/08/22	1,097	913	29,025
	<u>8,790,000</u>						<u>393</u>	<u>\$ 167,150</u>

[†] Callable

<u>Description</u>	<u>Par</u>	<u>Rate</u>	<u>Yield</u>	<u>Purchase Date</u>	<u>Maturity Date</u>	<u>Life Days</u>	<u>Remaining Days</u>	<u>Average Interest</u>
California State Taxable Municipal Bond	1,500,000	2.30%	2.30%	1/29/2018	10/1/2020	976	275	\$ 34,500
	<u>1,500,000</u>						<u>275</u>	<u>\$ 34,500</u>

Note: Cash and Sweep, LAIF and Wells Fargo Money Market Fund are liquid investments.

SCV Water
Santa Clarita Water Division
Cash and Investment Summary
As of December 31, 2019

<u>Description</u>	<u>Par</u>	<u>Rate</u>	<u>Yield</u>	<u>Purchase Date</u>	<u>Maturity Date</u>	<u>Life Days</u>	<u>Remaining Days</u>	<u>Average Interest</u>
<u>Wells Fargo Certificates of Deposit</u>								
Allegiance Bank Texas	250,000	2.50%	2.50%	01/23/19	01/23/20	206	23	6,250
US Bank Natl Assoc	250,000	2.55%	2.55%	01/23/19	01/23/20	206	23	6,375
Safra National Bank	250,000	2.80%	2.80%	12/27/18	04/15/20	320	106	7,005
Gothenburg State Bank & Trust	250,000	2.80%	2.80%	11/28/18	05/28/20	363	149	7,000
Capital One Bank, NA	50,000	2.30%	2.30%	07/23/15	07/29/20	425	211	1,150
Capital One Bank USA, NA	250,000	1.85%	1.85%	12/07/16	12/07/20	556	342	4,625
Pinnacle Bank TN	250,000	3.05%	3.05%	12/14/18	12/14/20	563	349	7,625
Mercantile Commerce Bank	250,000	1.90%	1.90%	12/16/16	12/16/20	565	351	4,750
Ally Bank	250,000	2.15%	2.15%	12/21/17	12/21/20	570	356	5,375
Morgan Stanley Bank	250,000	2.15%	2.15%	12/21/17	12/21/20	570	356	5,375
Merrick Bank	250,000	2.25%	2.25%	01/30/18	01/29/21	609	395	5,625
Eagle Bank	250,000	2.85%	2.85%	09/07/18	03/08/21	647	433	7,125
Enerbank USA	250,000	2.40%	2.40%	04/12/19	04/12/21	682	468	6,000
Synovus Bank GA	250,000	2.40%	2.40%	04/17/19	04/16/21	686	472	6,000
Cenetury Next Bank	250,000	2.40%	2.40%	04/24/19	04/23/21	693	479	6,000
First Internet Bank	250,000	2.20%	2.20%	12/18/17	12/17/21	931	717	5,500
Sally Mae Bank/Salt Lke	250,000	2.60%	2.60%	04/10/19	04/11/22	1,046	832	6,500
American Express Bank FSB	250,000	2.35%	2.35%	05/03/17	05/03/22	1,068	854	5,875
Citibank	250,000	3.00%	3.00%	05/16/18	05/23/22	1,088	74	7,500
	4,550,000						368	\$ 111,655
SCWD Total Cash and Investments	51,832,710							

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SCV WATER
Valencia Water Division
As of December 31, 2019
Investment Report

	Current Balance	Percent of Total	Average Remaining Life Days	Weighted Average Yield
Wells Fargo Cash and Sweep	\$16,543,502	70.1%	n/a	1.50%
LAIF	\$3,802,931	16.1%	n/a	2.04%
Certificates of Deposit	\$1,250,000	5.3%	397	2.87%
US Treasury Bill	\$2,000,000	8.5%	556	2.56%
Total Cash and Investment**	<u>\$23,596,433</u>	<u>100.0%</u>		

** Total for VWD includes estimated \$3,000,975.00 in refundable Developer Deposits, and \$504,996.00 of NWD water customer payments transferred to NWD in January 2020.

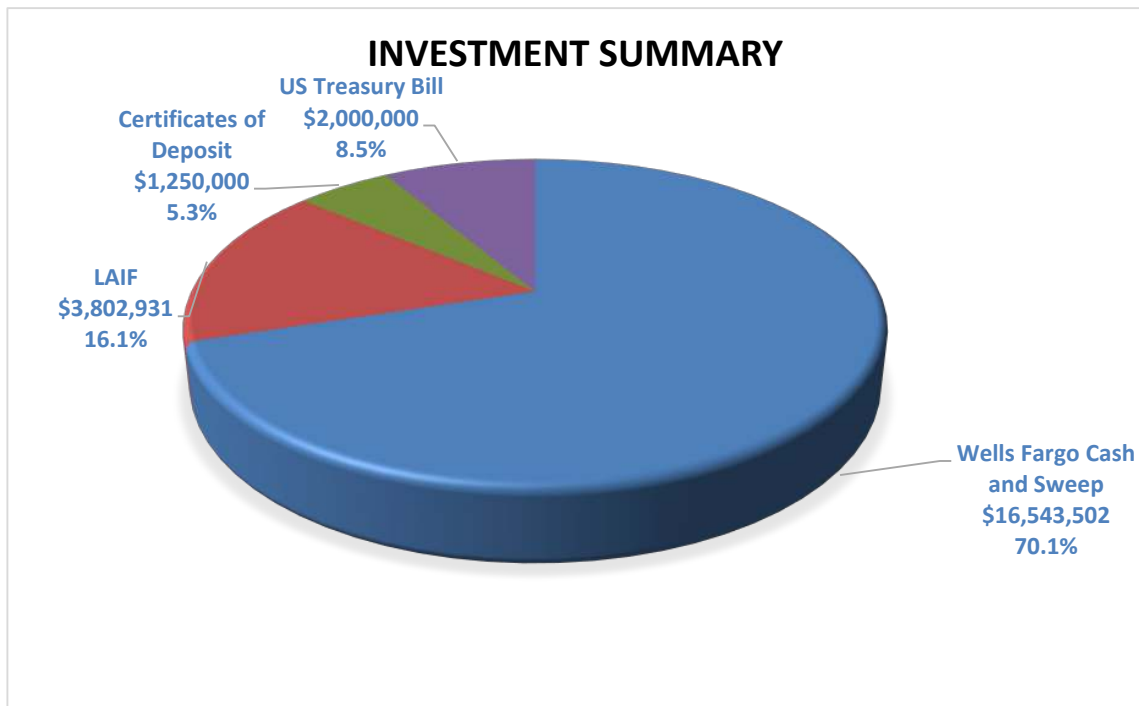
I certify that the investments of the Valencia Water Division are in compliance with the Investment Policy as adopted by the Board of Directors, and that the Division has the ability to meet the expenditure requirement for the next 6 months.



Rochelle Patterson
 Director of Finance and Administration, Treasurer



Elizabeth Ooms-Graziano
 Retail Administrative Officer



SCV WATER
Valencia Water Division
Cash and Investment Summary
As of December 31, 2019

Description	Balance	Rate	Yield	GASB 72 Fair Value Hierarchy
Wells Fargo Cash and Sweep	16,543,502	1.50%	1.50%	2
Local Agency Investment Fund (LAIF)	3,802,931	2.04%	2.04%	2
	<u>20,346,433</u>			

Description	Par	Rate	Yield	Purchase Date	Maturity Date	Life Days	Remaining Days	Average Interest	GASB 72 Fair Value Hierarchy
							12/31/2019		
Certificates of Deposit									
DRUMMOND COMMUNITY BANK	250,000	2.600%	2.600%	9/25/2018	3/25/2020	547	85	6,500	1
IBERIABANK/LA	250,000	2.850%	2.850%	11/28/2018	5/28/2020	547	149	7,125	1
BNY Mellon NA	250,000	2.800%	2.800%	9/24/2018	9/24/2020	731	268	7,000	1
STEARNS BANK NA	250,000	2.950%	2.950%	7/6/2018	7/6/2021	1096	553	7,375	1
COMENITY CAPITAL BANK	250,000	3.150%	3.150%	7/16/2018	7/18/2022	1463	930	7,875	1
	<u>1,250,000</u>						<u>397</u>	<u>35,875</u>	
Corporate Bond									
	<u>0</u>						<u>909</u>	<u>90,000</u>	
US Treasury Bill									
United States Treasury Note	1,000,000	2.500%	2.500%	2/12/2019	1/31/2021	719	397	25,000	1
United States Treasury Note	1,000,000	2.625%	2.625%	12/17/2018	12/15/2021	1094	715	26,250	1
	<u>2,000,000</u>						<u>556</u>	<u>51,250</u>	
VWD Total Cash and Investments	<u><u>\$23,596,433.17</u></u>								

GASB 72 Fair Value Hierarchy:

Level 1 - inputs are quotes prices in active markets for identical assets.

Level 2- inputs are significant other observable inputs.

Level 3 - inputs are significant unobservable inputs.

Credit Card Registers

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**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
2COCOM KOFAX.COM	179.00
Software purchase for Susana Rave. PC replaced needed to replace Nuance ecopy PDF software currently published by Nuance but sold through Kofax as the parent company.	179.00
7-ELEVEN 33154	37.79
Fuel upon car rental return from CSDA Board Secretary Conference	37.79
8870 ROYAL	1,674.37
Cable for CL2 sensors	286.69
Data crimper for truck I-67	65.95
Electric meter for Dirks H. truck I-63	486.20
Electrical ko seals supply for truck I67	82.09
O-Cal parts for chemical Rm	200.05
Photocells for lighting.	29.74
PLC Batteries - Sand Cyn Pump Station Generator Controls	331.52
Wire, Tie Wraps, Bases - Sand Canyon and Princess Booster Panel Upgrade	192.13
ABM ONSITE WESTFIELD MALL	5.00
Whittaker Mediation parking fee	5.00
ACROBAT PRO SUBS	179.88
Adobe Acrobat Professional DC Subscription for April Jacobs. Upgrading to new Windows 10 computer.	179.88
ALBERTSONS 1360	16.99
Executive Staff Meeting 11/26/19	16.99
AMAZON.COM 3K0RF8393 AMZN	185.04
Fuel Tanks Bought For Honda Generators for SCADA	185.04
AMAZON.COM 3T0QS04Z3	27.82
Hose adapters for gas sniffers	27.82
AMAZON.COM 8D6KL8DY3 AMZN	189.97
Flexi Core Drain Cleaner Cable	189.97
AMAZON.COM 9L6K90883 AMZN	18.59
New signage for visitor entrance at pine	18.59
AMAZON.COM CD9FW7KM3 AMZN	189.97
Flexi Core Drain Cleaner Cable	189.97
AMAZON.COM DL9S09F63 AMZN	42.53
Kitchen Supplies	42.53
AMAZON.COM DU7UB13U3 AMZN	49.25
Whirlpool Refrigerator Water Filter for Summit Circle - CA B and G Dept.	49.25
AMAZON.COM J17TS8NH3 AMZN	327.41
Keurig K155 Commercial Coffee Maker - CF/WR	327.41
AMAZON.COM J44LP3HJ3	22.89
Smead Classification Folders - LM for AA/ACCTG	22.89
AMAZON.COM O056Q7BG3 AMZN	64.49
Office Supplies Pine Street Location - Coffee	64.49
AMAZON.COM P37K94X13 AMZN	16.87
Magnetic Data Card Holders for Storage Racks - BL/ADM	16.87
AMAZON.COM PT5WY6RD3	90.53
Mechanical Time Switch for Truck Stock	90.53
AMAZON.COM TC6SR81K3 AMZN	83.04
Restock Coffee	83.04
AMAZON.COM T18XH8723 AMZN	8.18
Avery Printable Greeting Cards - EK/WR	8.18
AMAZON.COM W39NP3K53	189.97
Flexi Core Drain Cleaner Cable	189.97
AMZN MKTP US 006BK9FE3	189.42
Drywall Gun for Buildings and Grounds	189.42
AMZN MKTP US 2F8BV0GS3	8.65
Office Supplies	8.65
AMZN MKTP US 691WO0M43 AM	40.07
OBD tool for truck diagnostics	40.07
AMZN MKTP US 8S0QX31Q3 AM	21.69
Kitchen Supplies	21.69

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
AMZN MKTP US C40G76MI3	50.47
Confidential Interoffice Envelopes - HR Dept.	50.47
AMZN MKTP US DC1CJ15V3	29.50
Critical replacement gaskets for older Dell computers used to mount case fans.	29.50
AMZN MKTP US DQ80472Q3 AM	19.60
Vertical File Folder for Administration Conference Room - KG/ACCTG	19.60
AMZN MKTP US E80CH8LE3 AM	228.90
Kitchen and Office Supplies	228.90
AMZN MKTP US GH93S6833 AM	656.99
Office Equipment Pine Street - Coffee	656.99
AMZN MKTP US HK7CO2OF3 AM	59.35
Office Supplies	59.35
AMZN MKTP US I82P22UO3 AM	67.86
Portable LED Work Lights.	67.86
AMZN MKTP US J02RK4IP3 AM	32.84
Vornado Vortex Space Heater - BL/ADM for Supply	32.84
AMZN MKTP US KS1GU9BD3	164.20
Hip Waders for Russ 15	164.20
AMZN MKTP US LH0W83GV3	203.14
Flow Valve for RVWTP Admin Bldg HVAC System.	203.14
AMZN MKTP US LL00V2313 AM	83.49
9x12 White Catalog Envelopes - Supply, Vornado Vortex Heater - Supply	83.49
AMZN MKTP US M38ZA1250	67.08
Fittings Bought For Honda Generators for SCADA	67.08
AMZN MKTP US N353Y6C13 AM	229.95
LED Replacement Light Bulbs.	229.95
AMZN MKTP US OO6HC75H3 AM	73.30
Office Supplies Pine Street - Coffee	73.30
AMZN MKTP US Q22W33AP3	84.88
Replace safety ice holder	84.88
AMZN MKTP US RC8PM5EA3	13.85
Pilot Clicker Erasable Gel Pens - KG/FIN	13.85
AMZN MKTP US RH6GY1FD3 AM	191.55
LED Corn Bulb.	191.55
AMZN MKTP US YL7JE3CI3 AM	80.47
Kitchen and Office Supplies	80.47
APPLE.COM/BILL	224.85
Jump Desktop application for Production iPads. For field SCADA access.	224.85
ASSOCIATION OF CALIFORNI	(650.00)
ACWA Fall Conference - Registration - 12/3-6/19 - San Diego - Director Atkins	(650.00)
AUTOMATIONDIRECT.COM	953.75
Magnetic Flow Meter.	953.75
AVANGATE.COM	(179.00)
Refund from Kofax due to problems using their activation server.	(179.00)
AWWA.ORG	684.80
AWWA survey results on water and waste water rates AWWA bench marking and performance metrics books	684.80
BEST BEST AND KRIEGER LLP	75.00
SEI Form 700 Training - Registration - 11/6/19 - Webinar - A. Jacobs	75.00
BEST BUY 00001131	1,449.68
Refrigerator for Golden Triangle	1,313.99
Refrigerator for Mike Alvord- Golden Triangle	98.53
Wireless mouse request: Kim Grass	18.58
Wireless mouse request: Liza Moncada	18.58
BLACK BOX CORPORATION	182.07
Glass cleaner	182.07
BOB HOPE AIRPORT	48.00
SWCs Monthly Meeting - Parking - 11/20-21/19 - Sacramento - M. Stone	48.00

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
BOX, INC.	575.00
Box.com FTP site	575.00
BUDGET RENT-A-CAR	178.56
Car rental to drive to Seaside, CA for CSDA Board Secretary Conference	178.56
CALIFORNIA SOCIETY OF MUN	110.00
CSMFO Membership Renewal for Ari Mantis	110.00
CA-NV SECTION, AWWA	375.00
Seminar attendee Julia Grothe	375.00
CARID.COM	261.14
New floor mat s for new dump truck #84	261.14
CHI CHI'S PIZZA - SAUGUS	111.74
FMIS Software Conversion Working Lunch-Inventory Standardization. L. Moncada, J. Woodworth, S. Hobberchalk, T. Tucker & A. Aguer	111.74
COCOS BAKERY RESTAURANT	61.95
October/November Birthday/Anniversary and supplies for Thanksgiving potluck	61.95
CORNER BAKERY 0208	396.45
Credit back from Corner Bakery for missing item not delivered	(65.00)
Executive Staff Meeting 11 26 19	371.36
NWD Billing conversion testing breakfast - Customer Care Dept	20.98
NWD Billing conversion testing lunch - Customer Care Dept	69.11
COSTCO DELIVERY 653	886.17
Office Supplies - Non Taxable	251.55
Office Supplies - Non Taxable - JM/EDC	20.95
Office Supplies - Taxable	613.67
COSTCO WHSE #0447	52.19
Office Supplies - Non Taxable - Coffee	12.79
Office Supplies - Taxable - Batteries	39.40
DAPPER DANS CARWASH	64.90
Car wash for Truck S41	15.00
Dapper Dan's car washes # N55	29.95
Monthly Car Wash Fee - Unit# N73	19.95
DEL AMO CHEMICAL CO	396.44
Isopropyl Alcohol for Cleaning Ozone Generators at ESFP.	396.44
DIGICERT INC	995.00
Web services for legacy VWD	995.00
DISPUTE-HAIR ZONE BEAUTY	(500.00)
Credit for Fraudulent Charge	(500.00)
DKC DIGI KEY CORP	53.80
3 Pressure transmitter ICs for Hach 5500 AMC motherboards	53.80
DNH GODADDY.COM	167.88
Website services for network	167.88
DNH SUCURI WEBSITE SECURI	9.99
SCV Website Maintenance	9.99
DROPBOX 2X3S21K9PY9N	119.88
Storage/share files	119.88
DT DULUTH TRADING CO	62.39
Contractors Bag - Jim Moreno	62.39
EIG CONSTANTCONTACT.COM	295.00
Social Media - eNews	295.00
FASTENAL COMPANY 01CAVAE	253.04
Bolts, nuts and washers.	250.85
Metric Hardware - Sand Cyn and Princess Booster Panel Upgrade	2.19
FREDPRYOR CAREERTRACK	597.00
Fred Pryor Seminar: Business Writing for Results - Brent Payne and Josephine Ngoon	398.00
Fred Pryor Seminar: Business Writing for Results - Elaine Blanford	199.00
HABIT RYE CANYON#13	58.91
Lunch for the Customer Care Dept at Rockefeller.	58.91
HAIR ZONE BEAUTY SUP	500.00

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
Fraudulent Charge	500.00
HALFMOON EDUCATION	578.00
Seminar: Retaining Wall Design and Slope Stabilization Techniques - Brent and Josephine	578.00
HYATT REGENCY SACRAMENTO	238.48
SWCs Monthly Meeting - Lodging - 11/20-21/19 - Sacramento - M. Stone	238.48
ISLAND REST 040	38.64
Lunch Meeting with K Abercrombie and M Stone regarding Operations review.	38.64
JOHNSTONE SUPPLY VALENCIA	144.84
Air filters and thermometers.	144.84
KARMA INDIAN CUSINE	25.79
Lunch with Matt	25.79
KLEEN-RITE CORPORATION	124.84
High Pressure swivels bought for Hose Reels on Ditch Witch Equipment	124.84
LIONS GATE HOTEL	890.50
OCT Water Quality Academy - Water Treatment Certification - E Doss	520.36
OCT Water Quality Academy - Water Treatment Certification - V Titiriga	370.14
LOGMEIN OPENVOICE	22.40
Open voice for goto meeting	22.40
LOWES #00907	252.82
Microwave oven for HR Department.	105.03
Whirlpool Refrigerator Water Filters for Summit Circle - CA B and G Dept.	147.79
LOWES #01510	1,003.83
250W Lamp - Truck I58	12.02
4 foot lights for pine street office.	38.30
5 gal bucket, chisels, water cooler	69.47
Cement, drill bits	68.24
Drywall supplies for Pine street Camera project.	26.97
Fitting for HVAC Balimo valve.	47.26
Internet cord slicer	7.82
Paint pans.	6.50
Power strips.	15.31
Quick set cement and bucket for installation of SCADA cabinet - Valencia V2	13.06
Sanding supplies	67.80
Tool Purchases	97.39
Tools for S29	123.67
Torx timer for stock.	64.61
Truck Unit #157 small tools.	312.86
Wall anchors.	32.55
LOWES #01972	520.39
Shop tools and supplies	214.40
Tool Purchases	305.99
LYFT RIDE THU 8AM	32.68
Taxi - Sites Reservoir Meeting Sacramento 11/21/19	32.68
MARRIOTT SACRAMENTO RA	317.40
Hotel - Delta Conveyance Meeting Sacramento 11/13/19 - 11/15/19	317.40
MCDONALD'S F31292	85.76
Breakfast for crews who worked all night	85.76
MCMASTER-CARR	217.57
Heat Shrink, Hardware - S6 Well VFD Cabinet Install	56.37
Rivet Nuts, Bolts - Sand Cyn. and Princess Booster Panel Upgrades	29.04
Tie Wraps, Bases - Truck I58 Stock	132.16
MODERN PARKING LOC 155	9.00
Parking for Leadership Conference in Pasadena	9.00
MONNIT	39.00
Climate monitoring system for Rockefeller server room.	39.00
NAPA AUTO PARTS	102.10
Shear pins for Rio Vista Sludge tanks wiper Gear Drive.	102.10
NATIONAL INSITUTE OF GOVE	370.00

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
NIGP 2020 MEMBERSHIP RENEWAL	370.00
NEWHALL HARDWARE	4.34
Parts for sample taps at Newhall Tank 7	4.34
NEWHALL VALENCIA LOCK K	37.45
Keys	37.45
PANERA BREAD #204228	292.87
Active Shooter Awareness Training - Rockefeller Location	292.87
PANERA BREAD #204228 P	101.74
NWD Billing conversion testing breakfast - Customer Care Dept	101.74
PANERA BREAD #204229	401.17
Active Shooter Awareness Training - Golden Triangle Location	246.38
Executive Staff Meeting	154.79
PARTY CITY 1517	237.88
SCV Water Thanksgiving Potluck - Pine Street Location	119.07
Thanksgiving Luncheon decoration	84.71
Thanksgiving Potluck paper goods/tablecloths Summit Circle	34.10
PAYPAL ASSOCIATION	28.00
American Water Works Association of Ventura County Breakfast - Registration - 11/21/19 - Ventura - M. Gutzeit	28.00
PAYPAL EBAY SJSKOMMERCI	302.35
Restock trenching shovels Great price	302.35
PEPBOYS STORE 808	26.58
Gasket maker for Unit 5	26.58
PUNCH BOWL SOCIAL DALLAS	14.99
Lunch - M. Alvord	14.99
RALPHS #0147	47.22
Snacks for Finance and Administration Committee Meeting	28.72
Snacks for Vending Machine	18.50
RATTLERS BAR B QUE - 1	171.81
Halloween Carving Contest BBQ	137.95
Lunch Meeting with K Abercrombie and G Haggin regarding Operations Updates	33.86
SAMS CLUB #4824	501.60
Office Supplies	280.67
Office supply	37.87
Snacks for Vending Machine	183.06
SAMSCLUB #4824	(8.98)
Return of Expired Item - vending machine snack	(8.98)
SHELL OIL 57427678008	43.41
Fuel upon leaving Seaside, CA from CSDA Board Secretary Conference	43.41
SHERATON DALLAS	132.53
Breakfast for Mike	18.16
Meals for Ryan Bye, Dean Takashima, and Mike A at WQTC	114.37
SMART AND FINAL 468	98.68
October/November Birthday/Anniversary	98.68
SOUTHWES 5262136316666	509.96
Delta Conveyance Partnering Session #3 - Airfare - 10/31/19 - Sacramento - M. Stone	509.96
SOUTHWES 5262137950811	509.96
Airfare - Sites Reservoir Meetings Sacramento 11/21/19	509.96
SOUTHWES 5262139440042	11.20
Accidental use of Agency Card - Employee will reimburse agency	11.20
SOUTHWES 5262140603067	509.96
Airfare - Delta Conveyance Meeting Sacramento 11/13/19-11/15/19	509.96
SOUTHWES 5262141068609	509.96
SWCs Monthly Meeting - Airfare - 11/20-21/19 - Sacramento - M. Stone	509.96
SOUTHWES 5262144839990	509.96
CSDA Committee Meetings - Airfare - 2/5/20 - Sacramento - Director Martin	509.96
SOUTHWES 5262144843447	509.96
SWCs Monthly Meeting - Airfare - 12/18-19/19 - Sacramento - M. Stone	509.96

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
SPICE IN THE CITY	57.88
Dinner for Ryan Bye, Dean Takashima, and Mike A at WQTC	57.88
SPUDNUTS BAKERY CROISSANT	39.98
Landscape Education November class-snacks	39.98
SQ KESH CAB SERVIC	43.70
Taxi - Delta Conveyance Meeting Sacramento - 11/7/19	43.70
SQ TIKI LOCO DEEP ELLUM	50.73
Dinner for Dean Takashima and Ryan Bye during the AWWA WQTC Conference in Dallas	19.30
Lunch for Ryan Bye, Dean Takashima, and Mike A at WQTC	31.43
STATERBROS130	4.56
Executive Staff Meeting - 11 26 19	4.56
THE CITIZEN HOTEL	291.65
Hotel - Delta Conveyance Meeting Sacramento - 11/6/19 - 11/7/19	291.65
THE FLAG COMPANY	848.58
Indoor and Outdoor U.S./California State Flags.	848.58
THE HOME DEPOT #0653	518.15
Fiber cable	21.74
Paint and supplies for camera project at Pine street	67.90
Power strip, Flashlight and Rags in a box	183.86
Rope, Twine, Bucket - Truck I58	25.36
SCVWA crew truck - material stock	44.13
Tool Purchases	22.95
Unit 50 small tool replacement	152.21
THE HOME DEPOT #1055	1,862.37
Circuit Breakers - New Tank Mixer Install - Honby Tank 1/2	79.98
Cordless drill.	163.16
Electrical fittings	8.67
Electrical fittings, conduit for installation of wired chlorine leak detectors in RVWTP - Chlorine Building	52.83
Paint for CL2 Sensor job	13.07
Silicone and gloves.	39.97
Small tools - saw blades for truck I67	61.22
Small tools - torpedo level, nut drivers, pliers and insulated screw driver for truck I67	138.93
Storage cabinets for new modular and warehouse supplies	1,149.66
Storage tote for truck I-67	19.67
Trowel, concrete premix, clamps and a pulley to install SCADA radio cabinet at Valencia V2 turnout	135.21
THE HOME DEPOT 1055	508.98
Saw and battery for truck I-67	249.66
Tools for S29	259.32
THE HOME DEPOT 653	1,071.03
Parts and tools for unit 25	301.16
Small tool replacement unit 50	422.33
Tools for S29	347.54
THE RITZ CARLTON MRN D	380.40
World Water Tech Summit - hotel	341.40
World Water Tech Summit - parking	39.00
TLF BLOOMIES FLORIST	93.08
NWD Billing conversion testing, flowers - Customer Care Dept	93.08
TOPPERS PIZZA PLACE VALEN	73.56
FMIS Oracle/Emtec Confirmation Session Lunch - Core Team & Consultants	73.56
UBER TRIP	50.93
Delta Conveyance Partnering Session #3 - Uber - 10/31/19 - Sacramento - M. Stone	19.92
SWCs Monthly Meeting - Uber - 11/20-21/19 - Sacramento - M. Stone	31.01
UNITED 0161534664580	(12.00)
Refund of preferred seating - charged in Sept	(12.00)
UNITED 0161534664581	(12.00)
Refund of preferred seating - charged in Sept	(12.00)
V.S.P. PARKING BURBANK	104.00
Delta Conveyance Partnering Session #3 - Parking - 10/31/19 - Sacramento - M. Stone	13.00

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
Parking at Burbank Airport - Delta Conveyance Meeting Sacramento 10/30/19	13.00
Parking at Burbank Airport - Delta Conveyance Meeting Sacramento 11/13/19 -11/15/19	39.00
Parking at Burbank Airport - Delta Conveyance Meeting Sacramento 11/6/19 -11/7/19	26.00
Parking at Burbank Airport - Sites Reservoir Meeting Sacramento 11/21/19	13.00
VALLEY INDUSTRIAL ASSOCIA	165.00
VIA event - Registration	15.00
VIA Monthly Luncheon - Registration - 11/19/19 - Director Atkins	50.00
VIA Monthly Luncheon - Registration - 12/17/19 - Director Martin	50.00
VIA Monthly Luncheon Meeting - Registration	50.00
VONS #3325	323.82
Castaic Dam Downstream Valve Refurbishment Meeting	80.46
Employee Thanksgiving Luncheon-Regional	43.36
Halloween Carving Contest winners gift cards	200.00
WAL-MART #3523	30.64
EO and Public Outreach Committee Snacks - November 2019	21.68
Water Resources Office Supplies	8.96
WESTERN BAGEL TOO 4	44.05
Landscape Education November class-snacks	44.05
WHICH WICH 0002	21.32
Lunch at WQTC - M. Alvord	10.01
Lunch for Ryan Bye during the AWWA WQTC Conference in Dallas	11.31
WHOLEFDS VAL 10178	10.00
October/November Birthday/Anniversary	10.00
WOLF CREEK RESTAURANT & B	85.18
FMIS Lunch Meeting - Rochelle P, Amy A, Erica Burles-Consultant, Christina Schueneman-Consultant - Project Code 300300	85.18
WPONCALL.COM	49.00
GSA Website	49.00
WSJ CONFERENCES	895.00
Registration for cyber security seminar-J.Herbert	895.00
WWW COSTCO COM	75.96
Meeting snacks	75.96
Subtotal	33,262.60

Employee Meals

Merchant Name and Description	Total
ALBERTSONS 1360	468.60
11/01/2019 Team building BBQ-Regional	281.93
11/15/2019 Team building BBQ-Regional	186.67
CALI PIZZA KITC INC #260	85.52
Working lunch with Kathie Martin regarding strategic plan objective milestones and performance metrics	38.38
Working lunch with Mike Alvord regarding strategic plan objective milestones and performance metrics	47.14
CORNER BAKERY 0208	471.42
VENDOR LUNCH for IGOE Consultant. HR Department, Ari Mantis, Linda Pointer, Jenny Joo, JoAnna Brison and Suzanne Carapella.	110.39
WR and Educational staff team-building meeting	361.03
GOOGIE GRILL	37.14
Dinner Nov 11 during CSDA Board Secretary Conference - ED	37.14
JOSE'S MEXICAN FOOD	19.11
Dinner Nov 14 during CSDA Board Secretary Conference - ED	19.11
LAZY DOG RESTAURANT 5	111.68
HR Dept - Staff Development Lunch- R.Patterson, A.Mantis, J.Joo, L.Pointer, J.Brison, S-Temp	111.68
MIMIS CAFE 36	83.53
Breakfast Meeting with Directors Cooper, Gutzeit and Martin and M. Stone Regarding the GM Review	83.53
PANERA BREAD #204228 P	47.24
Bagels - Welcome NWD CC to Rockefeller	47.24

**SCV Water - Regional Division
Credit Card Charges
Paid in December 2019**

Merchant Name and Description	Total
RALPHS #0147	50.66
Board Meeting Cookies and Whip Cream	13.57
Snacks and Sodas for Board Meetings	37.09
RATTLERS BAR B QUE - 1	84.96
Lunch meeting - S. Cole & K. Helm	35.16
Working lunch planning discussion with Rochelle Patterson and Cris Perez	49.80
SAMS CLUB #4824	9.98
Supplies for Board Meeting	9.98
SAMSCLUB #4824	39.98
Jenny Joo's Baby Shower Cake	39.98
SILVER TIDE	38.81
Dinner Nov 13 during CSDA Board Secretary Conference - ED	38.81
STARBUCKS STORE 09233	14.30
Whittaker Mediation Breakfast- S.Cole, M. Stone & K. Abercrombie	14.30
WOOD RANCH VALENCIA	627.22
Dinner for the 11/19/19 Regular Board Meeting	627.22
Subtotal	2,190.15
 Grand Total	 35,452.75

NWD Credit Card Register - American Express
For the month ending December 31, 2019

Merchant Name	Description	Total
Amazon Web Services	AWS Service	8.28
GoDaddy.com	Web Hosting	2.99
Stonefire Grill	Lunch Meeting - HCM/Payroll Functional Requirements	450.56
Sam's Flaming Grill	Holiday Luncheon - Finance, HR and Administration Staff	586.49
EIG*Constant Contact	Monthly Electronic Newsletter Database	125.00
WEB*Networksolutions	Web Hosting & Web Forwarding	13.98
Audible US	Audio Book	12.95
Amazon	Office Supplies	40.50
Amazon	Points Credit	(40.50)
Total American Express		1,200.25

SCV WATER
Santa Clarita Water Division
Credit Card Register
From: December 1, 2019 - December 31, 2019

Merchant Name	Description	Amount
Amazon	Supplies - Pine Street	\$358.08
	Mailbox for USPS - Pine Street	\$262.78
	Kitchen and office supplies	\$203.88
	Office supplies	\$131.49
	Kitchen supplies	\$49.99
AMAZON TOTAL		\$1,006.22
Ashley Homestore	Furniture for on-call room	\$1,079.98
ASHLEY HOMESTORE TOTAL		\$1,079.98
Auto Key SCV Compueze	Replacement key - unit #V75	\$183.66
AUTO KEY SCV COMPUEZE TOTAL		\$183.66
Best Buy	Television for on-call room	\$368.33
BEST BUY TOTAL		\$368.33
Costco Warehouse	Snacks and beverages for vending machine	\$313.82
	Snacks for various meetings	\$136.14
COSTCO WAREHOUSE TOTAL		\$449.96
Dapper Dan's Car Wash	Car wash - unit #S41	8.00
DAPPER DAN'S CAR WASH TOTAL		\$8.00
Grand Hyatt	ACWA Conference, San Diego - lodging for K. Abercrombie 12/3/19-12/7/19	835.39
GRAND HYATT TOTAL		\$835.39
Halfmoon Education	Registration for Retaining Wall Design and Slope Stabilization Techniques seminar	\$289.00
HALFMOON EDUCATION TOTAL		\$289.00
John M. Ellsworth Co.	Replacement hoses and vacuum valve for fuel tank - unit #105 Vactron	\$324.49
JOHN M. ELLSWORTH CO. TOTAL		\$324.49
Metals Depot	Special pipe for repair - unit #105 Vactron	\$400.63
METALS DEPOT TOTAL		\$400.63
Nothing Bundt Cakes	December 2019 birthday and anniversary celebration	\$66.00
MOTHING BUNDT CAKES TOTAL		\$66.00
Papillon International Bakery	Holiday breakfast	\$35.08
PAPILLON INTERNATIONAL BAKERY TOTAL		\$35.08
Party City	Supplies for Operations breakfast	\$10.37
PARTY CITY TOTAL		\$10.37
Regal Edwards Valencia	<i>Dark Waters</i> movie tickets for Water Quality re: PFAS chemicals and improving customer outreach/service	\$48.00
REGAL EDWARDS VALENCIA TOTAL		\$48.00
Sit 'n Sleep	Bed for on-call room	\$1,428.06
SIT 'N SLEEP TOTAL		\$1,428.06
Smart and Final	Snacks and beverages for vending machine	\$350.92
SMART AND FINAL TOTAL		\$350.92
The Home Depot	Remodeling for break room/kitchen	\$465.55
	Tools - unit #19	\$206.65
	Aluminum wheel chocks - units #19 & #25	\$118.50
	40D nails for USA Marking/Cat Whiskers	\$64.32
	Warehouse materials	\$59.84
THE HOME DEPOT TOTAL		\$914.86
United States Postal Service	Mailed a tool out for repair services	\$9.80
UNITED STATES POSTAL SERVICE TOTAL		\$9.80

SCV WATER
Santa Clarita Water Division
Credit Card Register
From: December 1, 2019 - December 31, 2019

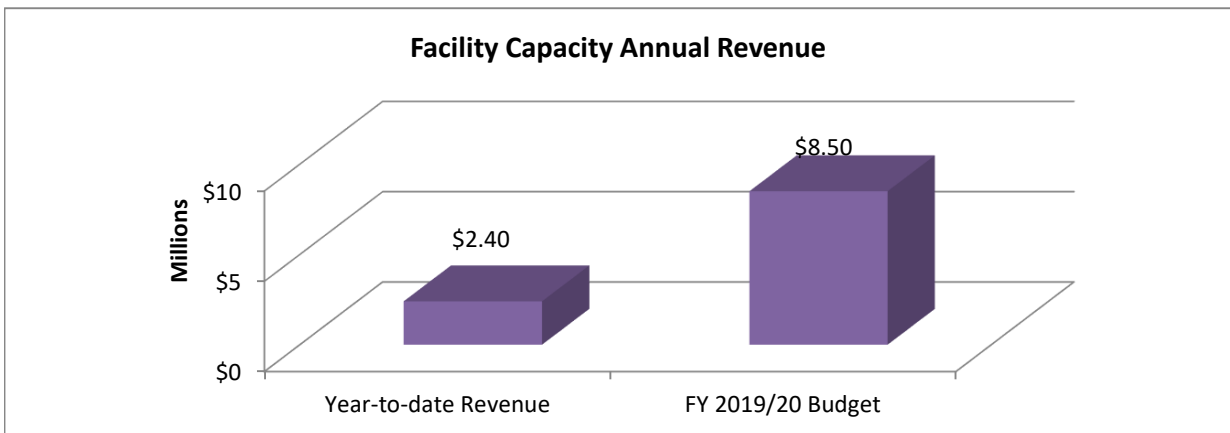
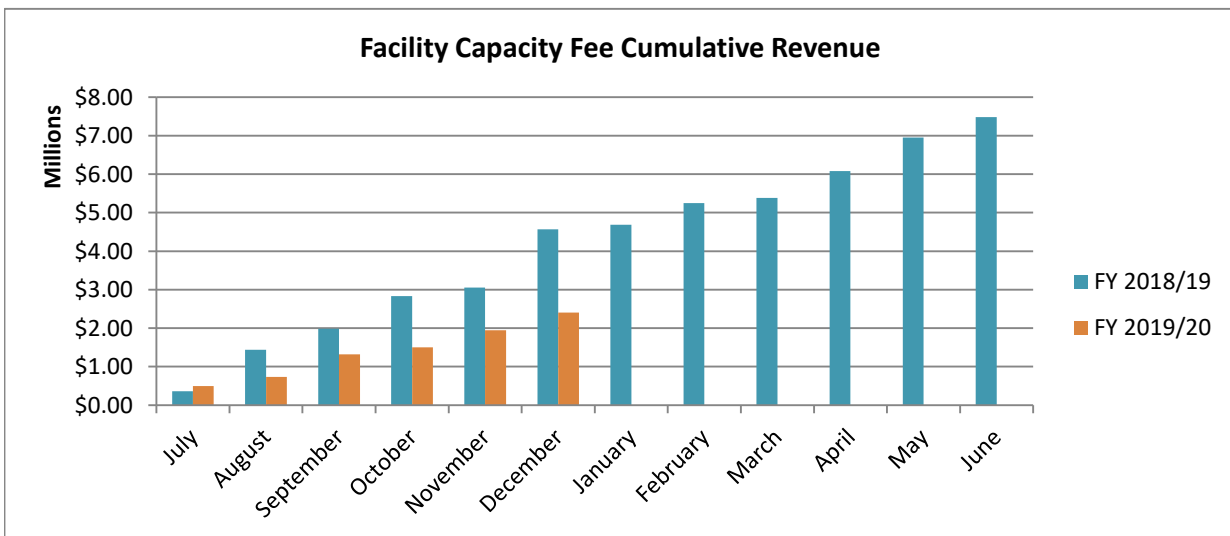
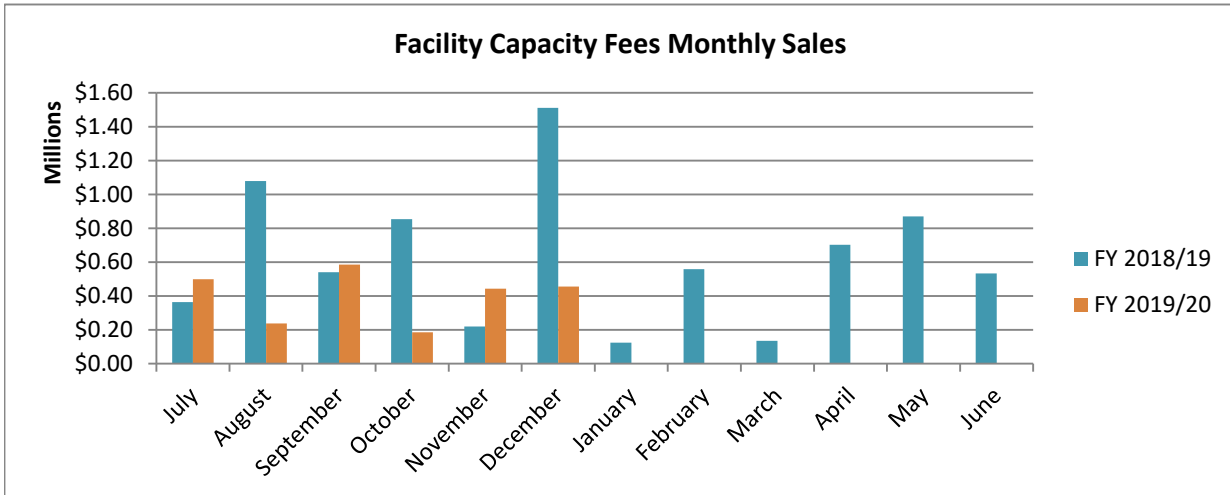
Merchant Name	Description	Amount
Vanair Manufacturing	Air/oil filter for compressor - unit #19	\$156.00
VANAIR MANUFACTURING TOTAL		\$156.00
Vons	November and December 2019 birthday and anniversary celebration - Pine Street	\$26.36
VONS TOTAL		\$26.36
Walmart	Supplies for on-call room	\$81.82
WALMART TOTAL		\$81.82
Employee Meals	CORNER BAKERY - Operations breakfast	\$450.63
	CORNER BAKERY - Active Shooter Awareness training - Rockefeller	\$255.93
	JIMMY DEANS - November and December 2019 birthday and anniversary celebration - Pine Street	\$410.41
	RATTLERS BAR B QUE - Lunch meeting to discuss operational needs - R. Hitchen and foremen	\$145.84
	RED LOBSTER - Business Writing for Results seminar lunch - B. Payne, E. Blanford, and J. Ngoon	\$56.81
	SEASONS 52 - ACWA Conference, San Diego dinner - K. Abercrombie, S. Cole, K. Martin, B. D. and D. M.	220.79
	THE OLD TOWN JUNCTION - Lunch meeting regarding reserves - K. Abercrombie and B. Johnson	\$46.70
EMPLOYEE MEALS TOTAL		\$1,587.11
CREDIT CARD GRAND TOTAL		\$9,660.04

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Facility Capacity Fee Revenues

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REGIONAL DIVISION FACILITY CAPACITY FEE REVENUES FY 2019/20 as of December 31, 2019



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Variable Rate Demand Obligations

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2008A VRDO Performance


Date	Bond Rate	Bond Rate including fees	Rate Decrease**
7/16/2014	0.04%	4.10%	
7/23/2014	0.05%	4.11%	
7/30/2014	0.05%	0.60%	Swap termination.
1/3/2018	1.40%	1.95%	2.16%
1/10/2018	1.28%	1.83%	2.28%
1/17/2018	1.15%	1.70%	2.41%
1/24/2018	1.04%	1.59%	2.52%
1/31/2018	0.99%	1.54%	2.57%
2/7/2018	0.88%	1.43%	2.68%
2/14/2018	0.93%	1.48%	2.63%
2/21/2018	1.00%	1.55%	2.56%
2/28/2018	1.03%	1.58%	2.53%
3/7/2018	1.04%	1.59%	2.52%
3/14/2018	1.11%	1.66%	2.45%
3/21/2018	1.28%	1.83%	2.28%
3/28/2018	1.46%	2.01%	2.10%
4/4/2018	1.53%	2.08%	2.03%
4/11/2018	1.58%	2.13%	1.98%
4/18/2018	1.67%	2.22%	1.89%
4/25/2018	1.64%	2.19%	1.92%
5/2/2018	1.51%	2.06%	2.05%
5/9/2018	1.35%	1.90%	2.21%
5/16/2018	1.20%	1.75%	2.36%
5/23/2018	0.95%	1.50%	2.61%
5/30/2018	0.83%	1.38%	2.73%
6/6/2018	0.83%	1.38%	2.73%
6/13/2018	1.15%	1.70%	2.41%
6/20/2018	1.30%	1.85%	2.26%
6/27/2018	1.30%	1.85%	2.26%
7/4/2018	0.95%	1.50%	2.61%
7/11/2018	0.90%	1.45%	2.66%
7/18/2018	0.85%	1.40%	2.71%
7/25/2018	0.69%	1.24%	2.87%
8/1/2018	1.09%	1.64%	2.47%
8/8/2018	1.22%	1.77%	2.34%
8/15/2018	1.26%	1.81%	2.30%
8/22/2018	1.28%	1.83%	2.28%
8/29/2018	1.28%	1.83%	2.28%
9/5/2018	1.25%	1.80%	2.31%
9/12/2018	1.24%	1.79%	2.32%
9/19/2018	1.24%	1.79%	2.32%
9/26/2018	1.29%	1.84%	2.27%
10/3/2018	1.27%	1.82%	2.29%
10/10/2018	1.26%	1.81%	2.30%
10/17/2018	1.29%	1.84%	2.27%
10/24/2018	1.29%	1.84%	2.27%
10/31/2018	1.28%	1.83%	2.28%
11/7/2018	1.28%	1.83%	2.28%
11/14/2018	1.32%	1.87%	2.24%
11/21/2018	1.34%	1.89%	2.22%
11/28/2018	1.35%	1.90%	2.21%
12/5/2018	1.29%	1.84%	2.27%
12/12/2018	1.28%	1.83%	2.28%

2008A VRDO Performance

Date	Bond Rate	Bond Rate including fees	Rate Decrease**
12/19/2018	1.33%	1.88%	2.23%
12/26/2018	1.38%	1.93%	2.18%
1/2/2019	1.30%	1.85%	2.26%
1/9/2019	1.00%	1.55%	2.56%
1/16/2019	1.00%	1.55%	2.56%
1/23/2019	1.00%	1.55%	2.56%
1/30/2019	1.21%	1.76%	2.35%
2/6/2019	1.25%	1.80%	2.31%
2/13/2019	1.45%	2.00%	2.11%
2/20/2019	1.52%	2.07%	2.04%
2/27/2019	1.56%	2.11%	2.00%
3/6/2019	1.47%	2.02%	2.09%
3/13/2019	1.42%	1.97%	2.14%
3/20/2019	1.37%	1.92%	2.19%
3/28/2019	1.30%	1.85%	2.26%
4/3/2019	1.29%	1.84%	2.27%
4/10/2019	1.33%	1.88%	2.23%
4/17/2019	1.80%	2.35%	1.76%
4/24/2019	2.20%	2.75%	1.36%
5/1/2019	1.85%	2.40%	1.71%
5/8/2019	1.28%	1.83%	2.28%
5/15/2019	1.09%	1.64%	2.47%
5/22/2019	1.03%	1.58%	2.53%
5/29/2019	1.03%	1.58%	2.53%
6/5/2019	1.02%	1.57%	2.54%
6/12/2019	1.41%	1.96%	2.15%
6/19/2019	1.41%	1.96%	2.15%
6/26/2019	1.41%	1.96%	2.15%
7/3/2019	1.05%	1.60%	2.51%
7/10/2019	0.92%	1.47%	2.64%
7/17/2019	1.10%	1.65%	2.46%
7/24/2019	1.29%	1.84%	2.27%
7/31/2019	1.29%	1.84%	2.27%
8/7/2019	1.11%	1.66%	2.45%
8/14/2019	1.15%	1.70%	2.41%
8/21/2019	1.19%	1.74%	2.37%
8/28/2019	1.19%	1.74%	2.37%
9/4/2019	1.10%	1.65%	2.46%
9/11/2019	1.12%	1.67%	2.44%
9/18/2019	1.18%	1.73%	2.38%
9/25/2019	1.27%	1.82%	2.29%
10/2/2019	1.26%	1.81%	2.30%
10/9/2019	1.22%	1.77%	2.34%
10/16/2019	1.05%	1.60%	2.51%
10/23/2019	0.97%	1.52%	2.59%
10/30/2019	0.89%	1.44%	2.67%
11/6/2019	0.81%	1.36%	2.75%
11/13/2019	0.83%	1.38%	2.73%
11/20/2019	0.79%	1.34%	2.77%
11/27/2019	0.80%	1.35%	2.76%
12/4/2019	0.71%	1.26%	2.85%
12/11/2019	0.70%	1.25%	2.86%
12/18/2020	0.80%	1.35%	2.76%
12/25/2020	1.15%	1.70%	2.41%



BOARD MEMORANDUM

DATE: January 14, 2020
TO: Board of Directors
FROM: Eric Campbell 
Chief Financial and Administrative Officer
SUBJECT: Approve a Community Facility District Policy

SUMMARY

At the September 16, 2019 Finance and Administration Committee meeting, staff and the Committee discussed the creation of a Community Facility District (CFD) Policy that would establish requirements that must be met for the Santa Clarita Valley Water Agency (Agency) to participate in financing infrastructure costs through a CFD.

The policy describes the conditions that will determine if the Agency will participate in a CFD financing, how risk to the Agency is managed, and the CFD structures that the Agency may elect to participate in.

DISCUSSION

CFDs are often created for establishing a method of financing public improvements, fees, or services by imposing a "special tax" on real property in a defined geographic area. CFDs issue bonds, repaid by homeowners through an annual levy of the CFD special tax. The special tax is commonly referred to as a "Mello-Roos" tax. The Agency has historically not facilitated capacity fees or regional facilities for new development to be financed through a CFD, whether the CFD was created by the Agency or an overlapping public agency.

Some public agencies, such as school districts, utilize CFDs to accelerate funding of fees or improvements. Theoretically, financing fees through a CFD should result in lower housing prices in the development area as the related infrastructure costs that are financed are excluded from the housing development costs.

The attached policy has been reviewed by the Agency's general counsel.

On January 13, 2020, the Finance and Administration Committee considered staff's recommendation to approve the attached proposed CFD policy.

FINANCIAL CONSIDERATIONS

None at this time.

RECOMMENDATION

The Finance and Administration Committee recommends that the Board of Directors approve the attached proposed CFD policy.

Attachment

EC

Handwritten initials "MGS" in blue ink on a light gray rectangular background.



POLICIES, RULES AND REGULATIONS	
Title: COMMUNITY FACILITY DISTRICT (CFD) FINANCING POLICY	
Approval Date: February 2020	Effective Date: February 2020
Approved By: Board of Directors	DMS #19530

COMMUNITY FACILITY DISTRICT (CFD) POLICY

1.0 INTRODUCTION

This policy has been developed to formally establish requirements that must be met for the Santa Clarita Valley Water Agency (Agency or SCV Water) to participate in financing infrastructure costs through a Community Facility District (CFD). Community Facility Districts are often created for establishing a method of financing public improvements, fees, or services by imposing a “special tax” on real property in a defined geographic area. CFDs issue bonds, repaid by homeowners through an annual levy of the CFD special tax. The special tax is commonly referred to as a “Mello-Roos” tax. SCV Water has not utilized CFDs in the past, whether the CFD was created by the Agency or another public agency. The Agency’s primary benefit of participating in CFDs is that CFDs are a source of financing critical infrastructure that would not impact its existing debt coverage ratios. A secondary benefit of CFD financing is that it ensures that the new development property owners pay their share of the cost of growth in the Agency’s capacity to serve its customers.

This policy describes the conditions that will determine if the Agency will participate in a CFD financing, how risk to the Agency is managed, and the CFD structures that SCV Water may elect to participate in.

2.0 STATEMENT OF PURPOSE

The purpose of SCV Water’s Community Facilities District Financing Policy is to ensure the Agency’s: prudent management of risk; financial stability; access to an additional financing tool during a period of significant infrastructure investment, while managing the equitable allocation of costs to its customers.

3.0 LIMITS AND CONSTRAINTS FOR CFD PARTICIPATION

For the Agency to consider participating in a CFD, the following conditions must be met:

1. Facility Capacity Fees will not be financed
2. On a case by case basis, there must be a benefit to the Agency’s customers as determined by the sole discretion of the Board
3. Staff time must be available to carry out the Agency’s responsibilities in establishing and administering the CFD, and the Agency’s ongoing administration costs must be included in the special tax
4. A Deposit and Reimbursement Agreement between the Agency and the developer must be agreed upon whereby the developer pays all the Agency’s costs, including third party consultant and legal costs
5. Prior to the formation of the CFD or the issuance or sale of special tax bonds, the Agency and Developer will have a completed an Acquisition Agreement, setting forth the terms upon which the Agency will acquire the specific infrastructure to be funded by the CFD and acquired using proceeds of the special taxes and/or bonds



POLICIES, RULES AND REGULATIONS	
Title: COMMUNITY FACILITY DISTRICT (CFD) FINANCING POLICY	
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- 6. All Agreements shall be governed by, construed and enforced under the Constitution and laws of the State of California. Venue for any legal actions involving this Agreement shall rest with the Superior Court, County of Sacramento
- 7. Another public agency must be the primary administrator (School District, California Statewide Communities Development Authority (“CSCDA”)).

4.0 PRUDENT MANAGEMENT OF RISK

- a. The Agency will not allow its Facility Capacity Fees (FCFs) to be included in CFD Financing. FCFs must be paid by the developer when building permits are issued. CFDs may only be used to pay for the costs of infrastructure.
- b. There will be no obligation or requirement for the Agency to pay the bonds.
- c. The CSCDA works with advisors, consultants, and an underwriter to determine the credit quality of the developer/landowner and economic viability of the proposed project to be financed.
- d. Specific credit quality requirements are mandated and documented in Section 53345.8 of Mello-Roos Community Facilities Act of 1982. (Bonding requirements)
- e. In order to enhance the credit quality of bond issues, the CSCDA will require that each bond issue be secured by a reserve fund, funded in an amount no less than the least of: (a) 10% of the original proceeds of the bond issue, (b) maximum annual debt service on the bonds of such issue, or (c) 125% of the average annual debt service on the bonds of such issue.
- f. Prior to the issuance of any CFD bonds, all environmental and/or land-use planning approvals, special permits (e.g. permits required by the Army Corps of Engineers, California Fish and Game, and other agencies), and approval by the city or county in whose jurisdiction the development lies of a tentative map must be obtained.
- g. As CFD bonds are secured by real property owned by the Developer and ultimately by the purchaser of the developed property, CFD debt has no impact on Agency financial metrics or credit capacity.
- h. The Agency will not be forming any CFDs, therefore the Agency will not be associated with any debt issued by such CFDs.
- i. To ensure that the Agency will be reimbursed for all costs incurred related to CFD creation, the Agency will enter into a “Deposit and Reimbursement Agreement” with the Developer requiring the Developer to deposit an initial amount of funds into an account for the Agency to use to pay preliminary incidental costs and expenses incurred in connection with proceedings to implement a CFD. Should the account be drawn down to a determined amount,



POLICIES, RULES AND REGULATIONS	
Title: COMMUNITY FACILITY DISTRICT (CFD) FINANCING POLICY	
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Approved By: Board of Directors	DMS #19530

the Agency will notify the Developer to provide an additional deposit to enable continuing payments of preliminary expenses. Limited administrative costs may also be recovered from special tax proceeds.

- j. The total tax burden (that is, the maximum annual CFD special tax, together with ad valorem property taxes, special assessments, special taxes for any overlapping CFD , and any other taxes, fees and charges payable from and secured by the property) on any residential owner-occupied parcel in a CFD, shall not exceed 2% (the basic property tax levy of 1%, plus 1%) of the expected assessed value of such parcel upon completion of the public and private improvements relating thereto.

(Originally adopted February 2020)

DRAFT

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BOARD MEMORANDUM

DATE: March 3, 2020

TO: Board of Directors

FROM: Brian Folsom, P.E.
Chief Engineer 

SUBJECT: Approve Purchasing of Treatment Media for the N Wells PFAS Groundwater Treatment Project

SUMMARY

The site construction work for the N Wells PFAS Groundwater Treatment Project is currently underway. At the October 1, 2019 Board meeting, the funding to purchase the treatment vessels was authorized and the material acquisition is in progress. The treatment vessels are being manufactured and are scheduled for delivery in May 2020. After the vessels are delivered, the treatment media will need to be installed to start-up the treatment facility. Staff is recommending that the Board of Directors authorize the General Manager to purchase the treatment media for the vessels.

DISCUSSION

In July 2019, the SCV Water Board of Directors authorized a contract with Water Quality Technology Systems, Inc. (WQTS) to perform bench scale testing of two commercially available ion exchange resins for the removal of PFAS at the N Wells. The resins are DOWEX PSR2+ by Evoqua Water Technologies, LLC. (Evoqua) and PFA694E by Purolite.

In February 2020, staff requested and received proposals from Evoqua and Purolite to provide media for either two, four, or six vessels. Staff is in the process of evaluating their proposals. To meet the June 2020 startup of the PFAS treatment facility, staff is recommending that the Board of Directors authorize the General Manager to purchase the treatment media for the vessels.

CEQA DETERMINATION

In October 2019, the Agency filed a Notice of Exemption for construction of the Wellfield Treatment System with Los Angeles County, Ventura County and the State Clearinghouse. The Notice of Exemption described construction of the treatment system, including that resin would be used in the treatment system. No challenges to the Notice of Exemption were filed, and the proposed action is consistent with the previously filed Notice of Exemption. Therefore, the action of purchasing resin is covered under the existing Notice of Exemption and no further CEQA analysis is required.

FINANCIAL CONSIDERATIONS

In order to meet the aggressive timeline of having treatment in place by summer 2020, staff is recommending the General Manager be authorized to purchase treatment media for an amount not to exceed \$900,000. The project is currently not budgeted in the Agency's FY 2019/20 Budget. Funds from the Agency's Reserves will be utilized to fund the project.

RECOMMENDATION



That the Board of Directors authorize the General Manager to purchase the treatment media for the N Wells PFAS Groundwater Treatment Project for an amount not to exceed \$900,000.

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ITEM NO.
8.1

BOARD MEMORANDUM

DATE: February 7, 2020
TO: Board of Directors
FROM: Brian J. Folsom, Chief Engineer 
Keith Abercrombie, Chief Operating Officer 
SUBJECT: February 6, 2020 Engineering and Operations Committee Meeting

The Engineering and Operations Committee met at 5:30 PM on Thursday, February 6, 2020 in the Summit Circle Training Room located at 26521 Summit Circle. In attendance were Committee Chair Tom Campbell; Directors Ed Colley, Bill Cooper, Jeff Ford, Gary Martin and Lynne Plambeck; General Manager Matt Stone; Chief Operating Officer Keith Abercrombie; Chief Engineer Brian Folsom; Safety Officer Mark Passamani; Safety Specialist Jon Wallace; Emergency Preparedness and Safety Coordinator Jose Diaz and Administrative Analyst Elizabeth Gallo. Two members of the public were present. A copy of the agenda is attached.

Item 1: Public Comments – There was public comment.

Item 2: Quarterly Safety Presentation – Mark Passamani and Jon Wallace reviewed the Agency's Safety Program for the second quarter of FY 2019/20.

Item 3: Operations and Production Report – Staff and the Committee reviewed the Operations and Production Report.

Item 4: Capital Improvement Projects Construction Status Report – Staff and the Committee reviewed the Capital Improvement Projects Construction Status Report.

Item 5: Third Party Funded Agreements Quarterly Report – Staff and the Committee reviewed the Third Party Funded Agreements Quarterly Report.

Item 6: Committee Planning Calendar – Staff and the Committee reviewed the FY 2019/20 Committee Planning Calendar.

Item 7: General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities – Keith Abercrombie provided an update on PFAS related activities and the upcoming DWR Shutdown in late February.

Item 8: General Report on Engineering Services Section Activities – Brian Folsom updated the Committee on the recent organizational move of the Water Quality Laboratory from the Engineering Services Section to the Treatment, Distribution, Operations, Maintenance and Safety Section.

Item 9: Adjournment – The meeting adjourned at 6:15 PM.

BJF/KA

Attachment



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Date: January 27, 2020

To: **Engineering and Operations Committee**
Tom Campbell, Chair
Ed Colley
William Cooper
Jeff Ford
Gary Martin
Lynne Plambeck

From: Brian J. Folsom, Chief Engineer *BJF*
Keith Abercrombie, Chief Operating Officer *KA*

The **Engineering and Operations Committee** is scheduled to meet on **Thursday, February 6, 2020 at 5:30 PM at Summit Circle** located at 26521 Summit Circle, Santa Clarita, CA 91350 in the Training Room.

MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments	
2.	Quarterly Safety Presentation	
3. *	Operations and Production Report	1
4. *	Capital Improvement Projects Construction Status Report	59
5. *	Third Party Funded Agreements Quarterly Report	61
6. *	Committee Planning Calendar	65
7.	General Report on Treatment, Distribution, Operations and Maintenance Services Section Activities	
8.	General Report on Engineering Services Section Activities	
9.	Adjournment	

- * Indicates attachments
- ◆ To be distributed

NOTICES:

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by telephoning (661) 297-1600, or writing to Santa Clarita Valley Water Agency at 27234 Bouquet Canyon Road, Santa Clarita, CA 91350. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that Agency staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the Agency to provide the requested accommodation.


Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, California 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on January 28, 2020.

M65



BOARD MEMORANDUM

DATE: February 13, 2020
TO: Board of Directors
FROM: Steve Cole 
Assistant General Manager
SUBJECT: February 12, 2020 Water Resources and Watershed Committee Meeting

The Water Resources and Watershed Committee met on Wednesday, February 12, 2020 at 6:00 PM in the Summit Circle Training Room. In attendance were Committee Chair Maria Gutzeit, Directors Tom Campbell, Kathy Colley, William Cooper and Jerry Gladbach. Staff members present were Assistant General Manager Steve Cole, Conservation Manager Matthew Dickens, Associate Water Resources Planner Sarah Fleury, Director of Water Resources Dirk Marks, Associate Water Resources Planner Rick Vasilopoulos and Associate Water Resources Planner Ernesto Velazquez. Two members of the public were present. A copy of the Agenda is attached.

Item 1: Public Comment – There was no public comment.

Item 2: Water Resources Director's Report

- 2.1 **Status of Water Supplies** – Staff updated the Committee on the Status of Water Supplies.
- 2.2 **Status of Activities to Recover Stored Water from Existing Water Banking or Exchange Programs to Meet 2020 Imported Water Demands** – Staff reported on the Status of Activities to Recover Stored Water from Existing Water Banking or Exchange Programs to Meet 2020 Imported Water Demands.
- 2.3 **Devil's Den Semi-Annual Report** – Staff and Committee reviewed the Devil's Den Semi-Annual Report.
- 2.4 **Status of Upper Santa Clara River Salt and Nutrient Management Plan** – Staff updated the Committee on Status of Upper Santa Clara River Salt and Nutrient Management Plan.
- 2.5 **Status of Devil's Den Solar Generation Facilities** – Staff reported on the Status of Devil's Den Solar Generation Facilities
- 2.6 **Other Staff Activities** – Staff provided brief updates on the Sites Reservoir project, the Delta Conveyance negotiations, the New Drop permitting strategy and the status of the Groundwater Recharge Project.

Item 3: Resource Conservation Manager's Report

- 3.1 **Update on Conservation Activities and Performance** – Staff updated the Committee on Conservation Activities and Performance.

February 13, 2020
Page 2 of 2

Item 4: Committee Planning Calendar – The Committee reviewed the Planning Calendar.

The meeting adjourned at 7:15 PM.

Attachment

MBS



Date: February 5, 2020

To: Water Resources and Watershed Committee
 Maria Gutzeit, Chair
 Tom Campbell
 Kathy Colley
 William Cooper
 Robert DiPrimio
 Jerry Gladbach

From: Steve Cole, Assistant General Manager *SC*

The **Water Resources and Watershed Committee** is scheduled to meet on **Wednesday, February 12, 2020 at 6:00 PM** in the Summit Circle Training Room located at 26521 Summit Circle, Santa Clarita, CA 91350.

MEETING AGENDA

<u>ITEM</u>	<u>PAGE</u>
1. Public Comments	
2. Water Resources Director's Report	
2.1 Status of Water Supplies	
* 2.2 Status of Activities to Recover Stored Water from Existing Water Banking or Exchange Programs to Meet 2020 Imported Water Demands	3
* 2.3 Devil's Den Semi-Annual Report	7
* 2.4 Status of Upper Santa Clara River Salt and Nutrient Management Plan	9
* 2.5 Status of Devil's Den Solar Generation Facilities	11
2.6 Other Activities	
3. Resource Conservation Manager's Report	
* 3.1 Update on Conservation Activities and Performance	13
4. * Committee Planning Calendar	19
5. Adjournment	
* Indicates attachment	
● To be distributed	

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Posted on February 5, 2020.



ITEM NO.
8.3

BOARD MEMORANDUM

DATE: February 21, 2020
TO: Board of Directors
FROM: Steve Cole 
Assistant General Manager
SUBJECT: February 20, 2020 Public Outreach and Legislation Committee Meeting

The Public Outreach and Legislation Committee met at 5:30 PM on Thursday, February 20, 2020 in the Training Room at 26521 Summit Circle. In attendance were Committee Chair Jerry Gladbach; Directors Kathy Colley, R. J. Kelly, and Lynne Plambeck and; Assistant General Manager Steve Cole; Consultants Hunt Braly from Poole Shaffery. Consultants Anthony Molina from California Advocates and Consultant Geoff Bowman from Van Scoyoc Associates participated by video conference and members of the public. A copy of the agenda is attached.

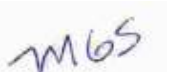
Item 1: Public Comments – There was no public comment.

Item 2: Legislative Consultant Reports – Staff and the Committee reviewed the federal legislative report and legislative strategic outline by Geoff Bowman, state legislative report by Anthony Molina and local legislative report by Hunt Braly.

Item 3: Public Information Officer Activities – Staff updated the Committee on the Washington D.C. Advocacy Trip and the SCV Water Agency Water Summit. Staff and the Committee reviewed the following information: Outreach Matrix – December 2019, Legislative Tracking Spreadsheet 2020, Sponsorship Tracking Spreadsheet FY 2019/20, Public Outreach Events Calendar 2020 and Public Outreach and Legislation Committee Planning Calendar 2020.

Item 4: Adjournment – The meeting adjourned at 6:35 PM.

Attachment



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Date: February 13, 2020

To: **Public Outreach and Legislation Committee**
Jerry Gladbach, Chair
B.J. Atkins
Kathy Colley
R.J. Kelly
Gary Martin
Lynne Plambeck

From: Steve Cole, Assistant General Manager *SM*

The **Public Outreach and Legislation Committee** is scheduled to meet on **Thursday, February 20, 2020 at 5:30 PM** at **Summit Circle Training Room** located at 26521 Summit Circle, Santa Clarita, CA. 91350.

MEETING AGENDA

<u>ITEM</u>		<u>PAGE</u>
1.	Public Comments	
2.	Legislative Consultant Report:	
*	2.1 Van Scoyoc Associates	1
*	2.2 California Advocates	7
*	2.3 Poole & Shaffery	13
3.	Public Information Officer Activities:	
	3.1 Washington D.C. Advocacy Trip	
	3.2 SCV Water Agency – Water Summit Update	
*	3.3 Monthly Outreach Matrix	15
*	3.4 Legislative Tracking	17
*	3.5 Sponsorship Tracking FY 2020/21	19
*	3.6 Public Outreach Event Calendar 2020	21
*	3.7 Committee Planning Calendar 2020	25
4.	Adjournment	

February 13, 2020

Page 2 of 2

- * Indicates attachments
- ◆ To be distributed

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Pursuant to Government Code Section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Santa Clarita Valley Water Agency, located at 27234 Bouquet Canyon Road, Santa Clarita, California 91350, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Website, accessible at <http://www.yourscvwater.com>.

Posted on February 13, 2020



BOARD MEMORANDUM

DATE: February 17, 2020
TO: Board of Directors
FROM: Brian J. Folsom, P.E. Chief Engineer 
SUBJECT: Engineering Services Section Report

CAPITAL IMPROVEMENT PROJECTS (CIP) CONSTRUCTION

Project	Contractor	Contract Amount	Scheduled Completion	Notes
Magic Mountain Pipeline Phase 4	FivePoint/Toro Enterprises	\$3,378,855.72	4/01/20	Construction is 90% complete.
Magic Mountain Pipeline Phase 5	FivePoint/Toro Enterprises	\$3,269,978.85	4/01/20	Construction is 90% complete.
Magic Mountain Pipeline Phase 6A	FivePoint/Toro Enterprises	\$7,168,844.85	8/05/20	Construction is 5% complete.
PFAS Vessel Purchase	Evoqua Water Technologies, LLC	\$1,727,960	5/27/20	Vessel manufacturing is 10% complete.
PFAS Site Construction	Pacific Hydrotech Corp.	\$4,515,000	9/17/20	Construction is 2% complete.

CAPITAL IMPROVEMENT PROJECTS (CIP) DESIGN

1. ESFP Washwater Return and Sludge Collection System – Design plans and specifications are being finalized. The Operating Permit amendment application has been submitted to the State Water Resources Control Board Division of Drinking Water (DDW) for approval. DDW completed initial review of plans and specifications. Staff is finalizing bid documents in preparation to advertise project.
2. Castaic Conduit Bypass – Design is 90% complete. Staff is in the process of acquiring a pipeline easement from the City of Santa Clarita. Staff is also securing a permit from the California Department of Fish and Wildlife.
3. Magic Mountain Pipeline Phase 6B – Staff submitted the request for the project approval of alternative to water main separation requirements to DDW on January 30, 2020. After DDW approval, the construction documents will be finalized for construction bidding.
4. Magic Mountain Reservoir – California Environmental Quality Act (CEQA) documents are being prepared. After CEQA, staff will solicit final design proposals.
5. Replacement Wells – Kick-off meeting with Richard C. Slade and Associates for well design was held on May 16, 2019. Design documents are complete. Design of the

pipeline along Commerce Center Drive that will connect the wells to the Magic Mountain Pipeline is complete. Following approval by DDW, bidding will be performed by FivePoint.

6. Groundwater Treatment Improvements – Advisian is preparing the necessary National Contingency Plan documents and is scheduled to be completed in spring 2020.
7. Recycled Water Central Park (Phase 2A) – The project’s Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP) was adopted by the CLWA Board of Directors at its December 13, 2017 regular Board meeting. Design is on hold pending resolution of recycled water permitting and regulatory issues.
8. Recycled Water Vista Canyon (Phase 2B) – On July 17, 2017, the Department of Water Resources (DWR) approved repurposing \$2.7 million in Proposition 84 Grant Funding from the Saugus Formation Dry Year Wells Project to the Vista Canyon Recycled Water Project. The CLWA Board of Directors adopted the MND/MMRP on November 20, 2017. The SCV Water Board of Directors approved a resolution for a construction contract for the pipeline on February 4, 2020. Staff are working with geotechnical consultants for additional field investigations to evaluate design requirements for slope stability of the currently proposed tank site and suitability of a nearby alternative site. Tank design plans are on-hold pending outcome of geotechnical investigations.
9. Recycled Water South End (Phase 2C) – The Preliminary Design Report (PDR) has been completed. NCWD, as the CEQA Lead Agency, certified the recirculated MND on August 10, 2017. The project MND/IS was adopted by the CLWA Board of Directors on August 23, 2017. Plans and technical specifications are complete. Grant application for a Proposition 1 Grant was submitted the week of December 2, 2019.
10. Recycled Water West Ranch (Phase 2D) – The PDR has been completed. On July 17, 2017, DWR approved repurposing \$1.8 million in Proposition 84 Grant Funding from the Saugus Formation Dry Year Wells Project to the Phase 2D Project. The CLWA Board of Directors adopted the MND/MMRP on July 28, 2017. Construction bids were received and opened on December 9, 2019. SCV Water Board approved the construction of the project during its board meeting on February 4, 2020. The Contractor’s Notice of Award was issued on February 10, 2020. Contractor is executing the contract agreement, bonds, and insurance documents.

DEVELOPMENT PROJECTS – DESIGN, CONSTRUCTION AND INSPECTION

Project Developer	Development Size	Infrastructure (Estimated at Build-out)	Schedule	Status
Skyline Ranch Pardee	1220 Dwelling Units	17 miles of pipelines, 3 pump stations, and 4 tanks.	Construction of Phase 1 backbone and in-tract pipelines were completed in fall 2019. Construction of Phase 1 Bension pump station is online. Construction of Phase 1 Skyline Ranch Zone tanks is scheduled to be completed by summer 2020.	Phase 1 backbone/in-tract pipelines are complete with ongoing meter installations by developer. Phase 1 Bension pump station startup testing was completed on February 4 and 5, 2020 and is online. Fabrication of Phase 1 Skyline Ranch tanks has started. Construction of tank ring wall foundations are underway. Plans for tank site grading/piping are being finalized. Design of various Phase 2 in-tract planning area pipelines is underway.
Vista Canyon JSB Development	1100 Dwelling Units	5 miles of potable and recycled pipelines.	Construction of Phase 1 Potable and Recycled Water Systems are complete. Construction of Phase 2 is under way with completion by developer expected in February 2020.	Construction of Phase 1 pipelines are complete. Construction of Phase 2 in-tract recycled and potable water pipelines are 80% complete.
Sheriff Station City of Santa Clarita	44,300 Square Feet	1 mile of pipeline.	Construction of main pipeline was completed November 7, 2019. Construction under LADWP aqueduct is expected to be done in second quarter 2020 pending LADWP approvals.	Construction of main line in Golden Valley Road was completed November 2019, with temporary bypass crossing over LADWP aqueduct. Final plans for construction of undercrossing is pending LADWP approval.

Project Developer	Development Size	Infrastructure (Estimated at Build-out)	Schedule	Status
Mission Village Phase 1 FivePoint	3138 Dwelling Units	6.9 miles of new pipeline, 1 pressure reducing station (Petersen), 2 booster stations (Petersen potable & recycled), 1 booster station upgrade (Magic Mtn.), and 3 tanks (Petersen potable & recycled and Magic Mtn. No. 2 potable).	DS 542 pipelines to be constructed by March 2020. Magic Mountain Tank No. 2 to be constructed by April 2020. Petersen Tanks and Booster Stations to complete design by May 2020.	Magic Mountain Tank No. 2, DS 542 recycled and potable water pipelines, Phases 1A, 1B, 1C, 1D, and in-tract potable and recycled water pipelines are in construction. Petersen potable and recycled water tanks and booster stations are under design. Well 206/207 is in construction.
Landmark Village (Tract 53108) FivePoint	1444 Dwelling Units	3.5 miles of piping pressure reducing station, 2MG Zone IA Tank, and 2 Hwy 126 crossings.	TBD.	Design is on-hold.
Needham Ranch Trammell Crow Co.	2,550,000 Square Feet Industrial and Commercial	4 miles of pipelines, 1 pump station, 2 tanks, and 2 pressure reducing stations.	Phase 1 to come online March 2020.	Phase 1 tank construction is 95% complete. The tank has been filled with water and the onsite work has started. Pump station and pipeline construction are 99% complete. The pump station has passed all of initial testing. SCADA still needs to be integrated into all sites.
Castaic High School Rasmussen	250,000 Square Feet	2 miles of pipelines, 1 tank, and 1 pump station.	Construct facilities to meet scheduled school opening in fall 2019.	Construction is complete, except for punch list items. Easement documents are being prepared.
Spring Canyon Tract (48086)	492 Dwelling Units	1 tank, 1 pump station, and 1 pressure reducing valve, Mammoth Lane upgrades and lift station upgrades.	Mammoth Lane upgrades must be complete prior to commencement of development.	Design of in-tract pipelines are 100% complete. Reservoir plans are 97% complete. Pump Station plans are 100% complete.
Aidlin Hills Tract (52796) Lennar	102 Dwelling Units	2 tanks, 1 pump station, ±7670' of potable pipelines, and 9 public fire hydrants.	TBD.	Project is on-hold by developer.

MISCELLANEOUS PROJECTS – DESIGN, CONSTRUCTION AND INSPECTION

Project / Facility	Scope of Work / Details	Status
College of the Canyons Valencia Campus	Relocation of approximately 1,015' of 16" pipeline.	The pipeline has been installed and construction is complete. Waiting for COC to prepare the easement documents. The pipe is in service.
Skyblue Tanks	SCWD's Skyblue tanks main electrical service from SCE is not on SCVWA property or easement.	SCVWA does not have the rights to grant an easement to the homeowner. Operations will need to relocate the power line to the Skyblue tanks.
AT&T cell sites	No current work at any SCVWA sites.	Plans have been returned to AT&T and we are waiting on the carrier.
T-Mobile cell sites	Antennas swap at Newhall tank 2 and Pinetree tank 3.	Pre-construction meetings have been completed. Waiting on T-Mobile to schedule work.
Verizon cell site	Cell tower at Newhall tank 2.	Verizon pulled plans and is going to redesign.
Dig Alerts and Fire Flow Tests		During December 2019, SCVWA inspection staff completed 92 dig alerts and responded to 0 fire flow requests.

PERCHLORATE CONTAMINATION PROGRAM MANAGEMENT

The last monthly Technical Committee meeting was held on February 12, 2020. The Whittaker-Bermite Multi-Jurisdictional Task Force was held on November 13, 2019. The Settlement Agreement among SCVWA (former CLWA and retail purveyors), Whittaker-Bermite (Whittaker) and the insurance carriers is in effect. Reimbursement requests for operational and maintenance (O&M) costs through December 2019 have been submitted.

As a result of the detection of perchlorate at Well V-201, modifications are being made to the Department of Toxic Substances Control (DTSC) Remedial Action Plan (RAP) and the perchlorate project DDW 97-005 Engineering Report. A perchlorate removal facility has been constructed and resumption of Well V-201 service will occur following successful completion of testing and State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) approval. Until DDW approval is obtained, the perchlorate removal system is operating, and the treated water is being discharged to the Santa Clara River.

In late December 2017, perchlorate was detected at Well V-205 just above the maximum contaminant level for drinking water of 6 ppb. A confirmation sample taken in March 2018 indicated a level of 8.1 ppb. The well was previously taken out of service in 2012. Staff is determining the course of action to pursue to return the well to service and potential cost recovery under the terms of the Settlement Agreement.

In May 2019, for the first time since 2005, perchlorate was detected in Alluvial Aquifer Well Q-2 at the maximum contaminant level of 6 µg/L. No drinking water quality standards were violated, but the well was removed immediately from service. Monthly water quality monitoring will continue during the idle period. The most recent sample taken during February 2020, when the well was offline, had a perchlorate level of 15 µg/L. Design has been completed on retrofitting treatment vessels. Bids to supply new treatment vessels were received on December 9, 2019 and a contract was awarded to Evoqua Water Technologies, LLC on December 12, 2019. Six bids for the site work were received on January 7, 2020 and a contract was awarded to Pacific Hydrotech Corp. on January 9, 2020.

WATER QUALITY LABORATORY

The California Environmental Laboratory Accreditation Program (ELAP) has begun the formal rulemaking process for implementing new laboratory regulations. Once the new regulations are adopted, probably sometime in 2020, laboratories will have three years to comply with all of the new requirements. The new regulations primarily add a large number of documentation requirements to laboratory operations, and additional expenses related to accreditation and auditing requirements.

FACILITY CAPACITY FEES (FCFs) AND CONNECTION FEES

Month	Regional	Distribution	Total
July 2019	\$498,300	\$109,260	\$607,560
August 2019	\$237,014	\$42,404	\$279,418
September 2019	\$584,945	\$150,175	\$735,120
October 2019	\$184,188	\$39,586	\$223,774
November 2019	\$442,429	\$68,086	\$510,515
December 2019	\$455,686	\$73,639	\$529,325
January 2020	\$355,971	\$79,602	\$435,573
FY 2019/20 to Date	\$2,758,533	\$562,752	\$3,321,285
FY 2019/20 Budget	\$8,500,000	\$2,821,500	\$11,321,500

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BOARD MEMORANDUM

DATE: February 18, 2020
TO: Board of Directors
FROM: Eric Campbell
Chief Financial and Administrative Officer
SUBJECT: Finance, Administration and Information Technology Section Report

FINANCE & ADMINISTRATION

Key Accomplishments/Activities:

Staff began work on the retail water rate cost of service analysis with identification of the initial approach to take for documenting its cost analysis including the mapping of costs to general ledger accounts.

The draft of SCV Water's audit financial statement for fiscal year ending June 30, 2019 is nearly complete and will be presented at the March 16, 2020 regular Finance and Administration Committee meeting.

Staff developed the scope of work for the Agency-wide janitorial services and finalized the Request for Proposal (RFP) with the Building and Grounds Supervisor. The RFP was released on Wednesday, December 18, 2019. A mandatory site visit took place on January 8, 2020 and fifteen interested vendors attended. Proposals were due February 12, 2020.

Procurement staff attended the 2020 California Association of Public Procurement Officials (CAPPO) conference held February 17-21, 2020 in San Diego.

Significant Upcoming Items:

Staff is working with the Department of Motor Vehicles to register the mobile equipment units as special equipment. The Agency's mobile equipment includes items such as generators, trailers, trenching equipment and pumps.

Staff continues to process property damage claims.

Ongoing basis – Staff continues to review and approve Certificates of Insurance, ensuring that the insurance limits conform with the Agency's insurance requirements.

Ongoing basis – Staff prepares and submits small claims documentation to JPIA for reimbursement.

CUSTOMER SERVICE

Key Accomplishments/Activities:

Staff continues its work related to Advanced Metering Infrastructure (AMI) integration with Santa Clarita Division (SCWD) location's customer billing system.

Staff continues working on work flow modifications as required by the new Customer Service Policy and SB 998.

Staff continues its work related the implementation of Lockbox and ECS (Electronic Clearinghouse Service) for the Newhall Division.

Staff attended training on the Sensus Analytics MDM (Meter Data Management) software, the application used to collect, manage and report customer consumption data via AMI technology.

2020 Customer Care billing calendars have been finalized and comply with new requirements set forth in SB 998 and the Agency's recently updated policy.

Customer Service Representatives (CSR II) have relocated to the Summit Circle and Rockefeller locations, respectively. This change facilitates cross-training goals and supports our future billing system conversion plans. Additionally, the Rockefeller location successfully onboarded a new CSR I to a position vacated in 2019 due to promotion.

Staff has begun the process of migrating Valencia Division's internal auto-debit accounts to the Invoice Cloud Autopay platform. Invoice Cloud currently provides PCI-compliant third party payment processing for the Newhall and Valencia Divisions.

Significant Upcoming Items:

Staff has scheduled a kick-off call to migrate the Valencia Division's (VWD) paper bill print and presentment services to Infosend, the current provider of such services for the Santa Clarita and Newhall Divisions.

HUMAN RESOURCES

Key Accomplishments/Activities:

Staff is currently recruiting for the positions of Production Operator, Civil Engineer, Senior Accountant, Chief Engineer, IT Technician and Temporary Administrative Assistant-Engineering.

Staff completed the recruitment for the Temporary Accounting Technician I.

Staff scheduled the employee classification interviews with CPS HR Consulting to be conducted the week of February 10 and February 17 as part of the Classification and Compensation Study. Approximately 90 employees will be interviewed to provide information about their position. CPS HR Consulting is working with HR staff to set comparable agencies and benchmarked classifications to be surveyed.

Staff is continuing to handle employee relations issues and schedule meetings with appropriate staff to address the issues. Staff is currently handling four (4) grievances and an investigation.

Staff is also responding to appropriate requests for employee records and information in a timely manner.

Under the Affordable Care Act (ACA), the annual required 1095-C and 1095-B certificates were distributed to employees enrolled in an Agency health plan via the Paychex system, and from individual health insurance providers, for tax preparation purposes.

The annual AFLAC open enrollment process is underway for the March 1, 2020 effective date. Staff attended the monthly Safety Committee meeting at the Rio Vista location on January 29, 2020.

Staff attended the 2020 PIHRA Legal Update Conference in Burbank on January 30, 2020.

Staff attended the Lincoln Financial Group Annual Review meeting on February 26, 2020 in which the Agency's Lincoln Financial 457b Deferred Compensation plan's funds, performance and participation were reviewed.

Significant Upcoming Items:

Staff will be participating in the Core Team to implement the Human Capital Management (HCM) modules of the Finance System.

Staff will review the new 2020 California Employment Laws and Regulations to determine if it will affect the Agency's current policies and procedures.

Staff will electronically file with IRS the necessary documentation to comply with the Affordable Care Act (ACA).

TECHNOLOGY SERVICES

Key Accomplishments/Activities:

The IT team assembled mobile audio/visual conference carts to be used at the Engineering office and at Rio Vista. This provides versatility for conferencing and intra-office team communications.

The IT team has deployed Microsoft Teams throughout the entire Agency. Teams provides a cloud-based platform for collaboration and quick communications.

Ideas and suggestions from beta-SharePoint test group have been incorporated and addressed. New Agency SharePoint is scheduled for full deployment in March 2020.

Significant Upcoming Items

The newly formed Security Workgroup is creating a system inventory of all SCADA network assets and will be developing a budget for security upgrades.

Ongoing – The GIS team will be working with Operations to test cloud-based GIS field map system and mobile device functionality.

Ongoing – GIS team collects GPS data for wells, boosters and other facilities.

Ongoing – GIS team is georeferencing easement documents from predecessor organizations to be deployed and accessible through the future SharePoint.

Ongoing – IT team is working on a reconfiguration of the Agency network topology which will eliminate single points of failure.

EC

M65



BOARD MEMORANDUM

DATE: February 18, 2020
TO: Board of Directors
FROM: Keith Abercrombie *KA*
 Chief Operating Officer
SUBJECT: Treatment, Distribution, Operations and Maintenance Section Report

The Treatment, Distribution, Operations and Maintenance Section (TDOMS) provides reliable and high-quality water through rigorous preventative maintenance programs and timely response to corrective action maintenance. Routine inspections and maintenance of each facility is part of the overarching goal of TDOMS. Below is a discussion on these activities for the month of January 2020.

TREATMENT OPERATIONS AND MAINTENANCE

Monthly corrective and preventative maintenance work orders were completed at the following locations:

- Rio Vista Water Treatment Plant (RVWTP)
- Rio Vista Intake Pump Station (RVIPS)
- Earl Schmidt Filtration Plant (ESFP)
- Earl Schmidt Intake Pump Station (ESIPS)
- Saugus Perchlorate Treatment Facility (SPTF)
- Castaic and Pitchess Pipelines
- Recycled Water Pump Station
- Rio Vista Valve Vault No. 1
- Saugus Well 1
- Sand Canyon Reservoir
- Sand Canyon Pump Station (SCPS)

Preventative and Corrective Maintenance Work Order Summary

Work Orders	January 2020	FYTD 2019/20
Corrective Maintenance	14	150
Preventative Maintenance	110	829
Key Action Items Completed:		
<ul style="list-style-type: none"> - ESFP and RVWTP – Replaced regulatory pressure relief devices - ESIPS – Vault and pipeline project complete and ESFP back to full capacity 		

Work in Progress – Treatment

- Distribution System – Valve exercising and repairs underway
- Distribution SCADA system – Creation of new distribution SCADA system consolidating the three systems into one
- ESFP – Installing Ferric tank leak control panels and valves
- RVWTP – Replace Ammonia tank

- RVWTP – Replace chlorine scrubber
- N-1 – Installing new 5500sc chloramine analyzer
- Q2 Well – Installing new Sodium Hypochlorate pumps, Ammonia pumps and SCADA control for Q2 well treatment
- RVWTP – 4-year electrical maintenance main switchgear
- SCPS – Repair hydraulic actuator on pumps No. 1 and No. 3

Completed Work

- RVWTP – Installed wired chlorine leak sensors
- ESFP – Sodium Hypochlorate tank No. 1 repaired
- ESFP – Ammonia pumps and piping replaced
- SCPS – Repaired hydraulic actuator on pump No. 2

BUILDINGS AND GROUNDS

An integral part of the TDOMS is maintaining the aesthetic quality, functionality and safety of the various office facilities and grounds. Staff works on projects based on the needs of the various locations.

Monthly corrective and preventative maintenance work orders were completed at the following locations:

- Earl Schmidt
- Golden Triangle
- Pine Street
- Rio Vista
- Rockefeller
- Summit Circle

Corrective Maintenance Work Order Summary

Work Orders	January 2020	FYTD 2019/20
Corrective Maintenance	56	425

Work in Progress

- Working with contractor to update sign at the ESFP with new SCV Water information – All parts have been fabricated and powder coated / The sign should be completed at the end of February
- Working with EMCOR on HVAC Metesys system to re-map computer program – Contractor has collected all the data and is currently working with the program
- Flagpole – Board packet was submitted to the Summit Circle HOA Board and has been approved. The packet is now in the review process
- The bids for the Rockefeller HVAC project have been received and the Agency is in the planning process for the installation
- The RFP for the SCV Water Janitorial Contract was advertised and a contractor walk though has been completed. Bids will be in by February 12, 2020 and will be evaluated
- Working on ESFP system to increase reliability and functional application
- In the process of replacing artificial turf with walkway pavers at the Rockefeller location

Completed Work

- Coordinated back flow testing on all Rio Vista backflows
- Removed and replaced water heater in the RVWTP Administration Building after dealing with system failure and clean up
- Trimmed all oak trees at the RVWTP parking to the City of Santa Clarita standards
- Replaced 10 ballast on fixtures at the Rockefeller location
- Installed dual filtration system on the ice maker at the Rockefeller location

DISTRIBUTION OPERATIONS AND MAINTENANCE

General operational and maintenance activities include:

- Valve exercising
- Fire hydrant maintenance
- Air and vacuum valve maintenance
- Blow off maintenance
- Meter reading
- Meter change-outs
- Control valve maintenance

In addition to routine operational and maintenance activities, there are a variety of other projects.

Meter Change-out Summary

NWD

Meter Size	January 2020	Quantity FYTD 2019/20
3/4"	55	229
1"	4	31
1 1/2"		5
2"	2	12
>2"		

SCWD

Meter Size	January 2020	Quantity FYTD 2019/20
3/4"	54	777
1"	8	236
1 1/2"		9
2"	2	11
>2"	1	37

VWD

Meter Size	January 2020	Quantity FYTD 2019/20
3/4"	840	2,688
1"	10	38
1 1/2"	12	22
2"	41	120
>2"		1

Distribution System Leak Summary

NWD – Approx. 9,679 Service Connections

Leak Type	January 2020	FYTD 2019/20
Service Leaks		25
Main Leaks		4

SCWD – Approx. 31,218 Service Connections

Leak Type	January 2020	FYTD 2019/20
Service Leaks	3	45
Main Leaks	2	13

VWD – Approx. 29,974 Service Connections

Leak Type	January 2020	FYTD 2019/20
Service Leaks	6	50
Main Leaks	1	9

Work in Progress

- AMI Infrastructure installed, programming and customer service integration underway
- Placerita PRV Station – Rehabilitation project underway

Completed Work

- Ebelden Ave – Pipeline Replacement
- Pilot AMI Program – Valencia Industrial Center
- Large Meter Replacement – Magic Mtn and College of the Canyons
- Wildwood Road Pipeline Project

PRODUCTION OPERATIONS AND MAINTENANCE

In addition to the general operation and maintenance of the production facilities, there are a variety of other projects within the Production Department.

Work in Progress

- Castaic HS Tank – Permit amendment submitted, adding to sampling schedule, punch list remains
- Castaic HS Booster – Operational, punch list remains
- SC-12 – Mechanical and facility construction complete – Block wall design complete, RFP being prepared
- Seismic Valves Installation
- Pump Drive Replacement Program
- Well E17 – Facility construction underway, awaiting samples from January initial start-up
- Carnegie Booster Station – Meter pump and motor replacement underway (Nos.18 & 19 and SMC)

Completed Work

- SCADA backbone radio upgrade
- Via Princessa – Replacement of head shaft – Pumps reinstalled
- Lost Canyon 2 – Pump to control valve installation for pump to waste
- Catala Tanks 1 and 2 dismantled
- HonbyTank1 – Installed Kasco mixer
- Recycled Water Pump Station – Pump Control Valve Installation
- Well 201 – Construction for soundproof motor enclosure structure complete
- Presley Booster Station – Site rehab, parts installed

Water production summary by Division and Source is provided in the table below.

SCV Water Production Summary (Acre-Feet)

Division	Groundwater Jan 2020 (AF)	Imported Water Jan 2020 (AF)	*Total Production Jan 2020 (AF)	Groundwater FYTD 2019/20 (AF)	Imported Water FYTD 2019/20 (AF)	*Total Production FYTD 2019/20 (AF)	Recycled Water Production FYTD 2019/20 (AF)
NWD	362	117	479	3,255	2,260	5,515	NA
SCWD	431	1,014	1,444	3,074	12,830	15,904	NA
VWD	575	957	1,531	5,057	12,588	17,645	311
*SCV Water Totals	1,367	2,087	3,454	11,386	27,678	39,064	311
Percent	40%	60%		29%	71%		

* Displayed totals may vary due to rounding

SCV Water Regional Raw Water and Wholesale Summary (Acre-Feet)

Source	January 2020 (AF)	FYTD 2019/20 (AF)
Wholesale (LA36)	.78	5.44
Raw Water (RVWTP)	1,374	13,122
Raw Water (ESTP)	708	14,428
Wells (Saugus 1 & 2)	265	1,832

WATER QUALITY

Water Quality Complaints

NWD

Type of Complaint	January 2020	# of Complaints FYTD 2019/20
Hardness		
Odor		7
Taste	1	1
Color	1	1
Air		1
Suspended Solids		
Totals	2	10

SCWD

Type of Complaint	January 2020	# of Complaints FYTD 2019/20
Hardness	1	2
Odor	1	4
Taste		
Color	1	3
Air	4	9
Suspended Solids	1	1
Totals	8	19

VWD

Type of Complaint	January 2020	# of Complaints FYTD 2019/20
Hardness		
Odor	2	9
Taste		
Color		4
Air		11
Suspended Solids		3
Totals	2	27

Heterotrophic Plate Count Samples

NWD

Total # of HPCs Collected January 2020	# of HPCs Collected FYTD 2019/20
	6

SCWD

Total # of HPCs Collected January 2020	# of HPCs Collected FYTD 2019/20
5	38

VWD

Total # of HPCs Collected January 2020	# of HPCs Collected FYTD 2019/20
3	16

PFAS

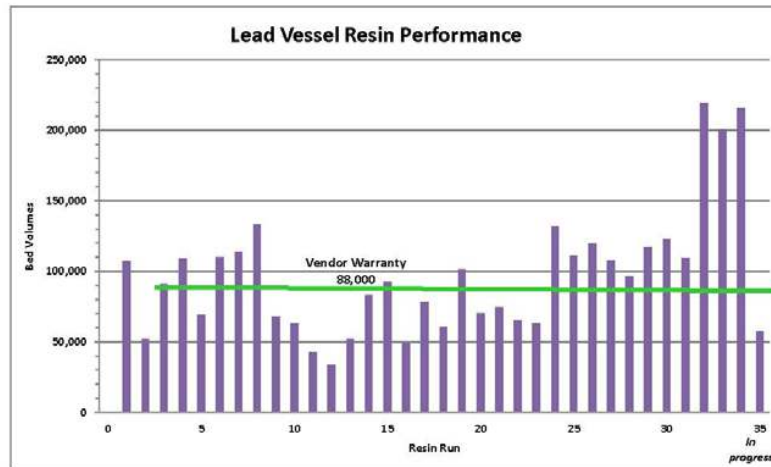
In May 2019, initial sampling for PFAS substances occurred and results were received. One well (Valley Center) exceeded Division of Drinking Water Interim Response Level of 70 ng/L and was shut off. Other wells exceeded the Interim Notification Levels for PFOS and PFOA. This information was presented to the SCV Water Board on June 4, 2019. PFAS sampling for the second quarter was done in August 2019 with results received in September and October 2019. PFAS sampling for the third quarter is being done in February 2020 with results expected in March 2020. In February 2020, the State Water Resources Control Board Division of Drinking Water issued new response levels; 10 parts per trillion (ppt) for perfluorooctanoic acid (PFOA) and 40 ppt for perfluorooctanesulfonic acid (PFOS.)

**Saugus Perchlorate Treatment Facility
Resin Usage Summary
Based on Time to Breakthrough**

Resin Run Number	Fill Date	Breakthrough Date*	Days	Volume Treated (Million Gallons)	Volume Treated (Acro-Feet)	Bed Volumes Treated	Replacement Costs	\$/BV	\$/AF	Combined (Lead and Lead)		
										MG	AF	BVs
0												
1	5/3/10	8/25/10	115	253	776	107,310	*	*	*			
2	9/9/10	11/8/10	62	120	368	52,289	\$ 105,728	\$ 2.02	\$ 287	373	1,144	159,599
3	12/10/10	3/26/11	107	239	735	90,841	\$ 115,458	\$ 1.27	\$ 157	359	1,103	143,130
4	5/5/11	8/9/11	97	288	883	108,745	\$ 112,255	\$ 1.03	\$ 127	527	1,618	199,586
5	8/17/11	10/14/11	59	180	554	68,941	\$ 112,255	\$ 1.63	\$ 203	468	1,437	177,886
6	11/6/11	4/10/12	157	288	883	109,850	\$ 112,048	\$ 1.02	\$ 127	468	1,437	178,790
7	4/20/12	7/16/12	88	280	860	113,905	\$ 112,048	\$ 0.98	\$ 130	568	1,743	223,754
8	7/11/12	11/5/12	118	349	1,070	133,044	\$ 112,048	\$ 0.84	\$ 105	629	1,930	246,949
9	11/16/12	1/10/13	56	177	544	67,744	\$ 112,258	\$ 1.66	\$ 206	526	1,614	200,788
10	1/10/13	3/10/13	60	165	505	62,836	\$ 43,567	\$ 0.69	\$ 86	342	1,049	130,579
11	3/19/13	5/4/13	47	112	344	42,769	\$ 118,213	\$ 2.76	\$ 344	276	849	105,605
12	5/8/13	6/15/13	39	95	293	33,577	\$ 141,989	\$ 4.23	\$ 485	207	637	76,346
13	6/10/13	8/20/13	72	179	551	52,099	\$ 118,212	\$ 2.27	\$ 215	275	844	85,676
14	9/12/13	11/30/13	80	217	667	83,031	\$ 118,212	\$ 1.42	\$ 177	397	1,218	135,130
15	11/21/13	2/9/14	81	246	755	92,790	\$ 118,212	\$ 1.27	\$ 157	463	1,422	175,821
16	2/24/14	3/31/14	36	128	393	48,854	\$ 105,494	\$ 2.16	\$ 269	374	1,148	141,644
17	4/28/14	8/8/14	103	205	629	78,423	\$ 105,494	\$ 1.35	\$ 168	333	1,022	127,277
18	8/21/14	12/9/14	105	158	485	60,237	\$ 105,494	\$ 1.75	\$ 218	363	1,114	138,660
19	12/4/14	3/16/15	103	266	816	101,458	\$ 105,494	\$ 1.04	\$ 129	424	1,301	161,695
20	3/17/15	5/28/15	73	184	565	70,380	\$ 105,494	\$ 1.50	\$ 187	450	1,381	171,838
21	5/29/15	8/3/15	67	195	598	74,810	\$ 105,494	\$ 1.41	\$ 176	379	1,163	144,990
22	8/4/15	10/15/15	73	171	525	65,484	\$ 105,494	\$ 1.61	\$ 201	366	1,123	140,094
23	10/16/15	12/8/15	54	165	506	62,988	\$ 105,494	\$ 1.67	\$ 208	336	1,031	128,472
24	12/9/15	3/31/16	114	346	1,062	131,983	\$ 105,494	\$ 0.80	\$ 99	511	1,568	194,971
25	4/1/16	7/7/16	98	291	893	111,167	\$ 105,494	\$ 0.95	\$ 118	637	1,955	243,150
26	7/8/16	10/17/16	102	314	964	119,919	\$ 105,494	\$ 0.88	\$ 109	605	1,857	231,086
27	10/21/16	1/25/17	97	283	869	107,984	\$ 105,494	\$ 0.98	\$ 121	597	1,832	227,903
28	1/26/17	4/18/17	83	252	773	96,192	\$ 105,494	\$ 1.10	\$ 136	535	1,642	204,176
29	4/25/17	8/5/17	103	306	939	116,938	\$ 105,494	\$ 0.90	\$ 112	558	1,713	213,130
30	8/11/17	1/3/18	146	322	988	122,845	\$ 105,494	\$ 0.86	\$ 107	628	1,927	239,783
31	1/16/18	6/9/18	145	269	887	109,395	\$ 105,494	\$ 0.96	\$ 119	611	1,875	232,240
32	6/18/18	12/24/18	190	574	1,762	219,207	\$ 105,494	\$ 0.48	\$ 60	863	2,649	328,602
33	12/13/18	6/10/19	180	525	1,611	200,536	\$ 105,494	\$ 0.53	\$ 65	1,099	3,373	419,743
34	6/11/19	12/30/19	203	566	1,737	216,073	\$ 105,494	\$ 0.49	\$ 61	1,140	3,499	435,280
35	12/18/19	2/9/20	54	150	460	57,400				675	2,072	257,938
Total			3,367	8,879	27,251	3,391,841	\$3,556,889	NA	NA	17,363	53,290	6,622,107
Average			94	247	759	94,496	\$107,856	\$ 1.18	\$ 146.51	452	1,446	179,683

+ Breakthrough defined as Lead Vessel effluent reaching 6 µg/L
* Initial resin delivery was included in construction contract

Runs 1-2 had 315 cubic feet of resin
Runs 3-11 had 350 cubic feet of resin + 180 cubic feet of anthracite
Run 12 has 434 cubic feet of resin + 180 cubic feet of anthracite
Runs 13-present had 350 cubic feet of resin + 180 cubic feet of anthracite



SAFETY/EMERGENCY/RISK MANAGEMENT

A safe and healthful work environment is a critical component to the mission and values of SCV Water. Throughout the reporting month, several routine safety related training, inspections, and various other items were completed. The Safety Department continues to integrate health and safety programs for SCV Water. Some of the items completed and currently in progress are as follows:

Work in Progress

- New combined Safety Data Sheet (SDS) Program
- Creating a combined SCV Water Health and Safety Manual by using the components and information from each location

Completed Work

Inspections

Monthly Inspections

- Underground storage tank (UST) designated operator
- Aboveground storage tank (AST) inspection
- Fire extinguishers
- Emergency eye-wash/shower stations
- Self-Contained Breathing Apparatus (SCBA) units
- Automated External Defibrillator (AED) units

Incident Data

- There were no recordable injuries in January 2020
- There were no lost workdays in January 2020

Safety Training

- Three ergonomic assessment were conducted in January 2020
- Three new hire safety orientation was conducted in January 2020
- Tailgate meetings took place at each location in January 2020

Safety Committee

- The Safety Committee met on January 29, 2020

M65



BOARD MEMORANDUM

DATE: February 18, 2020
TO: Board of Directors
FROM: Steve Cole *[Signature]*
Assistant General Manager
SUBJECT: Water Resources and Outreach Section Report

Key Accomplishments

Water Resources

- Staff confirmed that AVEK could return 2,000 AF of exchange water to SCV Water in 2020.
- Staff initiated delivery of Rosedale-Rio Bravo Program water in February 2020 to assist in meeting high imported water demands for 2020.
- On January 14, 2020, staff received confirmation that the LAFCO Application to initiate proceedings for annexation of the area formerly served by Valencia Water Company outside of the SCV Water Service Area Boundary has been filed in accordance with SB 634.
- At the January 6, 2020, SCV-GSA Board meeting, Directors B.J. Atkins and Gina Natoli were elected Board President and Vice President, respectively. In addition, staff updated the Board on Groundwater Sustainability Plan development and other matters.
- On January 24, 2020, the Department of Water Resources released its Draft Funding List for the Round 3 Sustainable Groundwater Management Program grant applications. SCV Water, on behalf of the SCV-GSA, has a tentative award of 100% of its grant request: \$891,159. The next step is for the state to issue its final list of awards.

Conservation

- Staff attended the 'Landscape Area Measurement Project Technical Workgroup' to evaluate and advise on methodologies for measuring irrigated areas using aerial imaging. Measurements will provide the basis for developing annual water use objectives for residential and commercial irrigation purposes.
- Met with remaining Phase 2D recycled water customers to discuss permitting, conversion, and retrofitting requirements and processes.
- Facilitated annual half-day training for professional water conservation services consultant.

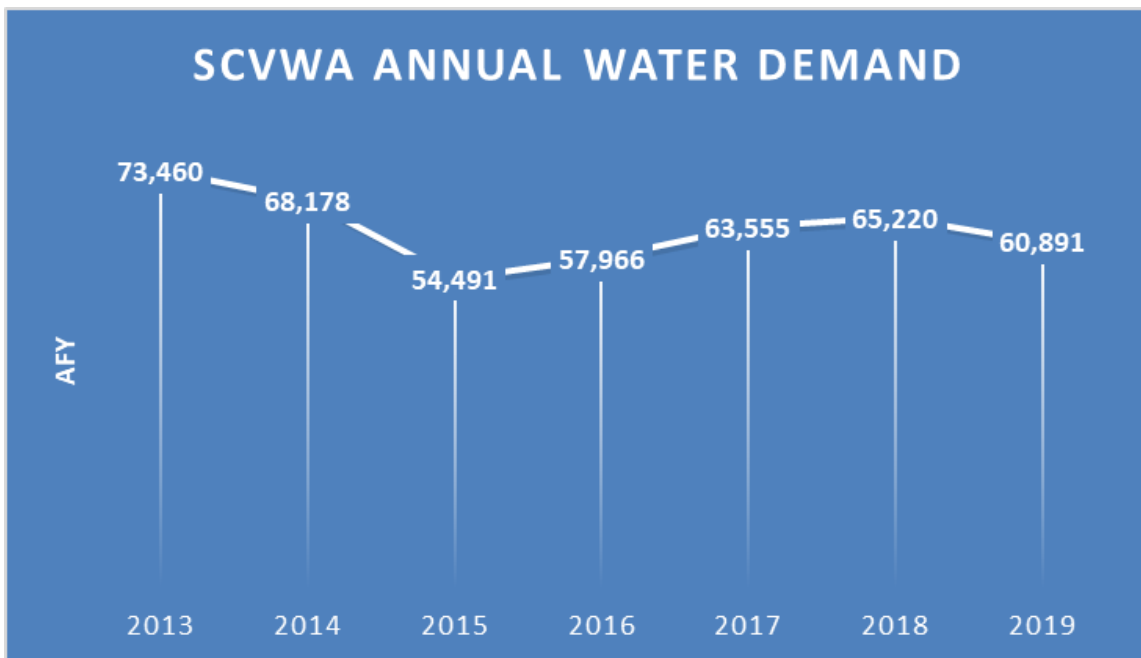
- Completed survey to Green Team members and management to determine value of various sustainability components for use in feasibility study of 134 sustainability measures.
- Conducted initial Rapid Response Network (large account/volume customers) communication in support of the upcoming Castaic Lake shutdown.
- Updated and disseminated “Customer Care Conservation User Guide’ which provides a comprehensive overview of available conservation rebates, incentives, and pertinent contact information.

Outreach and Legislation

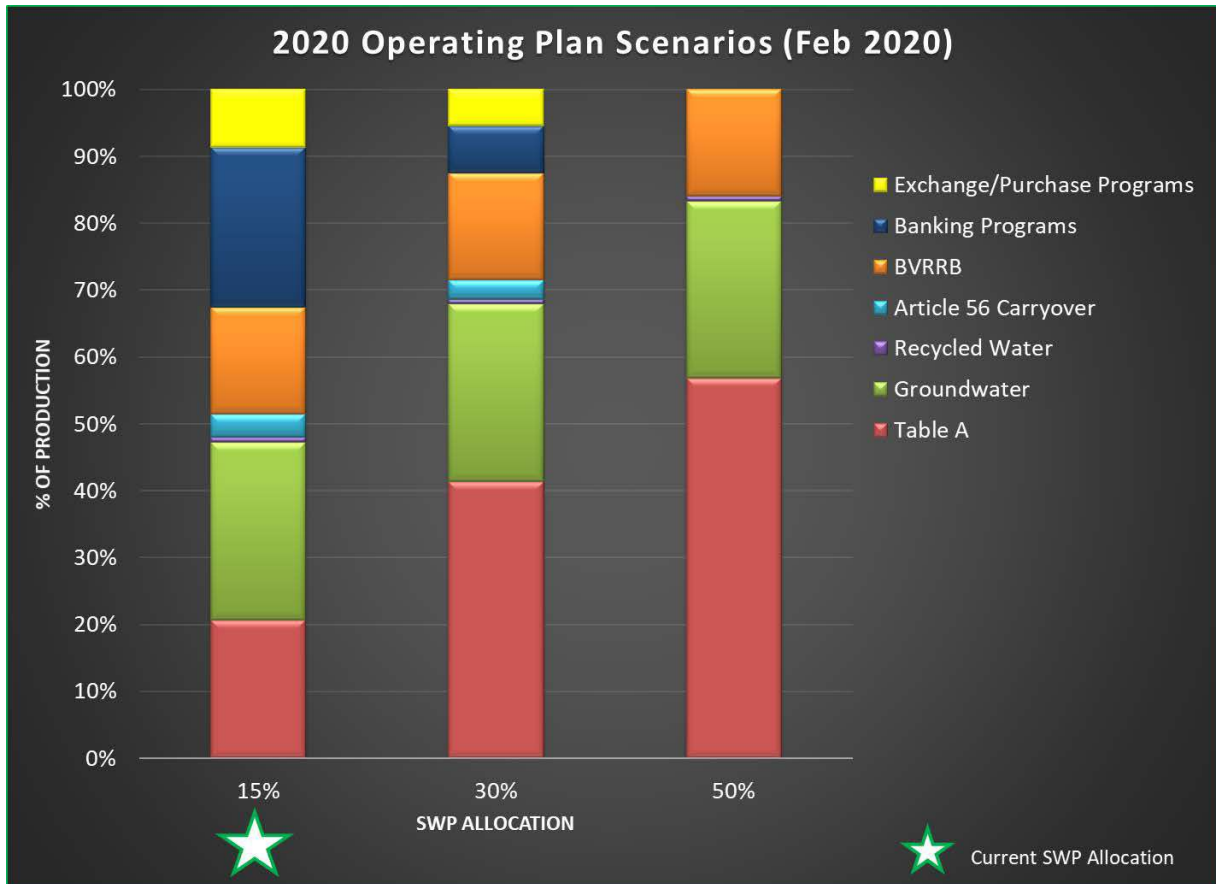
- Met with US Bureau of Reclamation region staff in Temecula to discuss funding opportunities for PFAS and emergency storage issues.
- Developed a PFAS overview/impact sheet for use by the National Water Resources Association in telling member agency stories (per request by Director Gladbach).
- PFAS Outreach: Distributed press releases on start of treatment facility construction and on new lowered response levels.
- Distributed the “look back” op-ed and new agency leadership press release.

WATER RESOURCES

Water Demand and Supply

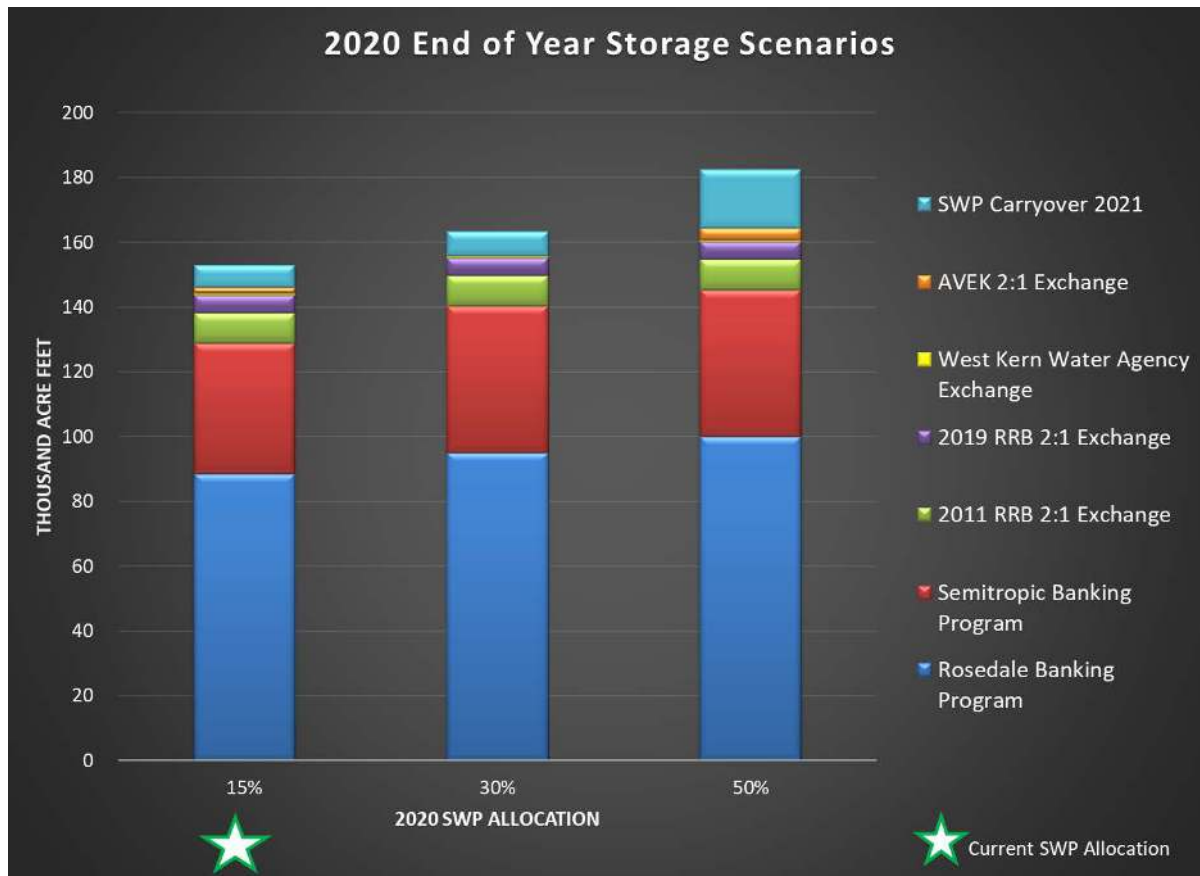


Note: Overall, 2019 resulted in lower demands. In 2019, evapotranspiration (ET) measurements for the Santa Clarita Valley totaled 62.95 inches, well below the historical average of 68 inches/year. Lower ET totals are indicative of overall cooler average temperatures and above-average precipitation.



Note: Exchange/Purchase Programs include Semitropic Newhall Land & Farm (NLF) banking, a portion of AVEK 2019 2:1 Water Exchange, and Yuba Accord water. Banking Programs include SCVWA's Rosedale-Rio Bravo (RRB) banking and Semitropic Stored Water Recovery Unit (SWRU) banking program. Groundwater includes production from the SCVWA Alluvial and Saugus groundwater aquifers.

- The initial State Water Project allocation was 10% of Table A amount. On January 24, 2020, the allocation was increased to 15% (14,280 AF).
- 2020 demand is estimated to be 69,000 AF and will be met utilizing the operating plan above.



Note: Estimated end of year storage based on three SWP allocation scenarios.

Significant Upcoming Items

- The USCR RWMG Memorandum of Understanding will be reviewed and revised starting in spring 2020 to clarify member roles and funding responsibilities and to add or remove member agencies, if necessary.
- The SCV-GSA seated its Stakeholder Advisory Committee in November 2019. In March 2020, training will be provided to Stakeholder Advisory Committee members on groundwater basics and the Sustainable Groundwater Management Act. A similar workshop will be available for the SCV-GSA Board of Directors.

LEGISLATIVE/GOVERNMENT AFFAIRS – Upcoming Sponsorships

- Urban Water Institute (continental breakfast) – February 19-21, 2020
- SCV EDC Economic Outlook – March 12, 2020
- KHTS Sacramento Bus Trip – March 16-17, 2020

OUTREACH – Social/Digital Media & Education

Staff continues to share water news, conservation tips, featured plants and job openings on our social media and e-news channels.

Outlet	Description	Notable Activity	Audience
Facebook	Social media		480 likes 514 follows
Instagram			1,058
Twitter			944
Website	yourSCVwater.org	Total users in December 2019	14,897
Water Currents	Customer e-newsletter	Open rate: 35.3% (average industry open rate: 21.64%)	Jan 2020: 20,868
Garden Classes	E-news blast		558

Public Education - 2019

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Calendar Year 2019
Education													
Students	882	1,023	1,108	1,047	2,072	1,065	233	131	584	972	610	776	10,503
Teachers	67	85	113	70	335	29	0	0	45	71	76	58	702
Garden Classes													
w Evening	35	48	31	4	32	19	21	25	28	8	0	1	251
Saturday	60	52	25	18	18	25	35	14	20	12	19	14	298

* Data not yet available

Public Education - 2020

Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Calendar Year 2020
Education													
Students	641	*	*	*	*	*	*	*	*	*	*	*	641
Teachers	58	*	*	*	*	*	*	*	*	*	*	*	58
Garden Classes													
w Evening	1	*	*	*	*	*	*	*	*	*	*	*	1
Saturday	14	*	*	*	*	*	*	*	*	*	*	*	14

* Data not yet available

Significant Ongoing or Upcoming Items

- Scripting and shooting two videos – a State of the Agency for use at the Water Summit, and one on PFAS impacts to Santa Clarita Valley.
- Continuing planning efforts for Water Summit on April 17, 2020.
- Continued planning efforts for SCV Water Open House on May 9, 2020.
- Implementing the communications plan for the annual shutdown at Castaic Lake for MWD/DWR maintenance and repair projects (updated: February 18-22, 2020).



Water Conservation

Water Resources Monthly Section Report - February 2020

Water Production vs. 20% by 2020 Reduction Target



Conservation Program Participation (Current Month/Fiscal Year)



	Check-Ups	Kits	Rebates	Engagement	Other
Residential	40/211	2/55	21/202	806/6,328	0/3



	Check-Ups	Retrofits	Rebates	Engagement
Commercial	776/776	2,866/2,866	0/0	2/10



	Check-Ups	Rebates	Engagement	Other
Landscape	1/4	2/17	7/51	4/11

Significant Upcoming Items

- Residential - The WaterSMART Workshop is now online and open for use (go to watersmartworkshop.com). The workshop provides comprehensive conservation education and is accessible 24 hours a day and can be accessed by any computer, tablet, or mobile device. Customers will receive a \$20.00 incentive for completing the workshop.
- Commercial - Staff is coordinating two large complex projects including rebates for 1,396 Ultra-High Efficiency Toilets and 776 additional check-ups.
- Landscape - Staff is working with several large landscape customers to convert smart controller capability for over 300 stations.



M6S

Engineering and Operations Committee
Planning Calendar
FY 2019/20

Item	PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 10 Comm	Oct 15 Board	Nov 5 Board	Nov 7 Comm	Dec 9 Comm	Dec 17 Board	Jan 9 Comm	Feb 4 Board	Feb 6 Comm	Feb 18 Board	Mar 3 Board	Mar 5 Comm	Mar 17 Board	Apr 2 Comm	Apr 7 Board	Apr 21 Board	May 11 Comm	May 19 Board	Jun 2 Board	Jun 4 Comm	Jul 7 Board
1	Monthly Committee Planning Calendar	C	C																									
2	CIP Construction Status Report	C	C																									
3	Monthly Operations and Production Report	C	C																									
4	Third Party Funded Agreements Quarterly Report	C	C																									
5	Quarterly Safety Program Presentation		C																									
6	Annual Safety Program Update (FY 18-19)		C		C																							
7	Recommend Approval of New Golden Triangle Modular Lease	C	C	C																								
8	Tour of Earl Schmidt Filtration Plant					C																						
9	Recommend Approval of the Purchase of a Chlorine Scrubber System for the Rio Vista Water Treatment Plant					C	C																					
10	Recommend Approval for an Agreement Amendment to The Newhall Land and Farming Company, LLC, for the Magic Mountain Water Pipeline Installation Agreement					C	C																					
11	Approve Bidding and Purchasing of Treatment Vessels and a Final Design Work Authorization for Kennedy Jenks Consultants for the N Wells PFAS Treatment						C																					
12	Approve Bidding and Purchasing of Treatment Vessels and a Final Design Work Authorization for Kennedy Jenks Consultants for Q2 Well Perchlorate Treatment						C																					
13	Approve Receiving and Filing the Public Notification of PFOS and PFOA Notification Level Exceedances						C																					
14	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6A							C	C																			
15	Recommend Approval to Purchase a Backhoe- Replacement Unit No. 15							C		C																		
16	Presentation on Distribution System Interconnections										C		C															
17	Conference with Real Property Negotiators (Section 54956.8) Castaic Tank 1A Cell Lease - Verizon (33030 Ridge Route Road, Castaic, CA 91384) - CLOSED SESSION										C		C															
18	Approve Site Construction Budget Authorization for the N Wells PFAS Treatment and Well Q2 Perchlorate Removal Facility																											
19	Recommend Approval of Resolution Awarding Construction Contract for West Ranch Recycled Water Main Extension (Phase 2D) Project																											

**Engineering and Operations Committee
Planning Calendar
FY 2019/20**

	Item	PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 10 Comm	Oct 15 Board	Nov 5 Board	Nov 7 Comm	Dec 9 Comm	Dec 17 Board	Jan 9 Comm	Feb 4 Board	Feb 6 Comm	Feb 18 Board	Mar 3 Board	Mar 5 Comm	Mar 17 Board	Apr 2 Comm	Apr 7 Board	Apr 21 Board	May 11 Comm	May 19 Board	Jun 2 Board	Jun 4 Comm	Jul 7 Board	
20	Recommend Approval of Resolution Awarding Construction Contract for Vista Canyon Recycled Water Main Extension (Phase 2B) Project	Yes 10 min													C	C														
21	Recommend Approval of a Work Authorization for Preliminary Design Services for Valley Center Well PFAS Groundwater Treatment	Yes 10 min															C													
22	Approve Purchasing of PFAS Treatment Resin for the N Wells	Yes 10 min																	P											
23	Recommend Approval of a Work Authorization for Preliminary Design Services for Well 205 Perchlorate Removal Facility	Yes 10 min																		P										
24	Review FY 2020/21 Major Capital Projects	Yes 15 min																				P								
25	Recommend Approval of Resolution Awarding Construction Contract to TBD to Recoat Tank Exteriors at Princess Tanks Nos. 1 and 2	None																				P								
26	Recommend Approval of Resolution Awarding Contract to TBD for SC12 Facility Construction	None																				P								
27	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Commerce Center Drive Pipeline	TBD																				P				P				
28	Recommend Approval of a Work Authorization for Final Design of the Replacement Wells On-Site Pipeline/Infrastructure	TBD																				P				P				
29	Recommend Approval of Construction Contract Funding and a Work Authorization for Inspection Services for Magic Mountain Pipeline No. 6B	TBD																				P				P				
30	Recommend Approval of On-Call Engineering Services and/or Construction Management and Inspection Services	TBD																				P				P				
31	Recommend Approval of Construction Contract Funding and a Work Authorization for Replacement Wells Construction	TBD																						P		P				
32	Recommend Approval of Resolution Awarding Construction Contract for ESFP Washwater Return and Sludge Systems Project	TBD																							P	P				
33	Recommend Approval of Resolution Authorizing SCV Water to Execute Consolidation and Water Service Agreement with State Water Resources Control Board and Los Angeles Residential Community	TBD																										P	P	
34	Recommend Approval of a Work Authorization for Final Design of the Groundwater Treatment Improvements	TBD																										P	P	
35	Recommend Approval of a Work Authorization for Final Design of the Magic Mountain Reservoir	TBD																										P	P	
36	Recommend Approval of Work Authorization for Groundwater Modeling Services for Perchlorate Containment Evaluation	TBD																										P	P	

**Engineering and Operations Committee
Planning Calendar
FY 2019/20**

		PowerPoint Presentation (Y/N/Length)	Jul 11 Comm	Aug 1 Comm	Aug 6 Board	Sep 3 Board	Sep 5 Comm	Oct 1 Board	Oct 10 Comm	Oct 15 Board	Nov 5 Board	Nov 7 Comm	Dec 9 Comm	Dec 17 Board	Jan 9 Comm	Feb 4 Board	Feb 6 Comm	Feb 18 Board	Mar 3 Board	Mar 5 Comm	Mar 17 Board	Apr 2 Comm	Apr 7 Board	Apr 21 Board	May 11 Comm	May 19 Board	Jun 2 Board	Jun 4 Comm	Jul 7 Board	
37	Recommend Approval of Resolution Awarding Contract to TBD for Newhall Tank 2 Recoat and Repairs	TBD																												Moved to FY 2020/21
38	Recommend Approval of Resolution Awarding Construction Contract to TBD for Recycled Water Vista Canyon (Phase 2B) Tank	TBD																												Moved to FY 2020/21
39	Recommend Approval of Resolution Awarding Construction Contract for Pipeline to the Los Angeles Residential Community	TBD																												Moved to FY 2020/21
40	Recommend Approval of Construction of a New Deane Zone Pump Station and Cost Sharing Agreement with Developer	TBD																												Moved to FY 2020/21
41	Recommend Approval of Construction of Two New 2.5 MG Deane Tank and Cost Sharing Agreement with Developer	TBD																												Moved to FY 2020/21

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**Finance and Administration Committee
Planning Calendar
FY 2019/20**

	Item	Author	PowerPoint Presentation (Y/N/Length)	July 2 Board	July 15 Comm	July 17 SPECIAL Comm	Aug 6 Board	Aug 19 Comm	Sept 3 Board	Sept 16 Comm	Oct 1 Board	Oct 15 Board	Oct 21 Comm	Nov 5 Board	Nov 19 Board	Nov 18 Comm	Dec 16 Comm - cancelled	Dec 17 Board	Dec 23 SPECIAL Committee	Jan 7 Board	Jan 13 SPECIAL Comm	Jan 21 Board	Feb 4 Board	Feb 10 SPECIAL Comm	Feb 18 Board	Mar 3 Board	Mar 16 Comm	April 7 Board	April 20 Comm	May 5 Board - cancelled	May 18 Comm	May 19 Board	June 2 Board	June 15 Comm				
1	Recommend Approval of Resolution Authorizing July 2019 Water Supply Contract Payment (consent)	RP	None	C																																		
2	Recommend Approval of Resolutions Setting Santa Clarita Valley Water Agency Tax Rate for FY 2019/20 and Requesting Levy of Tax by Los Angeles County and Ventura County	RP	None	C																																		
3	Recommend Approval of a Resolution Amending the Agency's Letter of Credit Reimbursement Agreement with Wells Fargo Bank	EC	None	C																																		
4	Recommend Receiving and Filing of March 2019 Monthly Financial Report (consent)	RP	None	C																																		
5	Recommend Receiving and Filing of April 2019 Monthly Financial Report (consent)	RP	None	C																																		
6	Interview Ratepayer Advocate Candidates and Recommend Approval of a Resolution to Enter into a Contract with Final Selection of Ratepayer Advocate	RP	None			C																																
7	Recommend Approval of a Resolution to Enter into a Contract for Ratepayer Advocate	RP	None			C																																
8	Recommend Approval of a Resolution Amending the FY 2019/20 Budget	RP						C	C																													
9	Recommend Approval of a Resolution Authorizing FY 2019/20 Water Supply Contract Payments (consent)	RP	None					C	C																													
10	Recommend Approval of a Revised Purchasing Policy	RP	None					C	C																													
11	Recommend Approval of a Driving and Vehicle Policy	RP	None					C	C																													
12	Discuss Audio Visual Options for Board Meetings	CP	None					C																														
13	Quarterly Review of Financial Forecas	EC	Yes - 15 min					C																														
14	Recommend Receiving and Filing of May 2019 Monthly Financial Report (consent)	RP	None					C	C																													
15	Recommend Receiving and Filing of June 2019 Monthly Financial Report (consent)	RP	None					C	C																													
16	Recommend Approval of Establishing a Community Facilities District (CFD) for the Spring Canyon Development	EC	None							C																												
17	Discuss Updated Facility Capacity Fee (FCF) Study	EC	None							C																												
18	Recommend Approval of a Resolution to Enter into an Enterprise License Agreement with ESR	CP	None							C	C																											
19	Continue Discussion of Audio Visual Options for Board Meetings	CP	None							C																												
20	Recommend Approval of a Revised Record Retention Schedule	RP	None							C																												
21	Recommend Receiving and Filing of July 2019 Monthly Financial Report (consent)	RP	None							C	C																											
22	Approve (1) Posting of Audio Recordings of SCV Water Board Meetings on Agency Website and (2) a Revised Record Retention Schedule	RP	None							C	C																											
23	Discuss Debt Refinancing Options	EC	Yes - 15 min										C																									
24	Review Strategic Plan Performance Metrics	EC	Yes - 10 min											C																								

**Finance and Administration Committee
Planning Calendar
FY 2019/20**

	Item	Author	PowerPoint Presentation (Y/N/Length)	July 2 Board	July 15 Comm	July 17 SPECIAL Comm	Aug 6 Board	Aug 19 Comm	Sept 3 Board	Sept 16 Comm	Oct 1 Board	Oct 15 Board	Oct 21 Comm	Nov 5 Board	Nov 19 Board	Nov 18 Comm	Dec 16 Comm - cancelled	Dec 17 Board	Dec 23 SPECIAL Committee	Jan 7 Board	Jan 13 SPECIAL Comm	Jan 27 Board	Feb 4 Board	Feb 10 SPECIAL Comm	Feb 18 Board	Mar 3 Board	Mar 16 Comm	April 7 Board	April 20 Comm	May 5 Board - cancelled	May 18 Comm	May 19 Board	June 2 Board	June 15 Comm			
25	Project Update for Financial Management Information System (FMIS)	RP	Yes - 5 min																																		
26	Recommend Approval of a Resolution to Enter into A Contract with Equaton Technologies for Project Management Services	RP	None		C																																
27	Recommend Receiving and Filing of August 2019 Monthly Financial Report (consent)	RP	None		C																																
28	Recommend Approval of Revised Facility Capacity Fees (FCF)	EC	Yes - 15 min																																		
29	Review Draft Community Facilities District (CFD) Policy	EC	None																																		
30	Recommend Approval of (1) Fully Funding OPEB Obligations and (2) Consolidating Accounts into One Trust Account	RP	None																																		
31	Continue Discussion of Debt Refinancing Options	EC	Yes - 15 min																																		
32	Approve Financing Plans and Hiring of An Underwriter		Yes - 15 min																																		
33	Recommend Receiving and Filing of September 2019 Monthly Financial Report (consent)	RP	None																																		
34	Recommend Approval of Revised Facility Capacity Fees (FCF)	EC	Yes - 15 min																																		
35	Recommend Approval of a Ticket Distribution Policy (consent)	RP	None																																		
36	Recommend Receiving and Filing of October 2019 Monthly Financial Report (consent)	RP	None																																		
37	Recommend Approval of a Resolution Authorizing (1) the Issuance of One or More Series of Revenue Bonds by the Upper Santa Clara Valley Joint Powers Authority; (2) the Execution of Certain Documents; and (3) Certain Other Actions	EC	None																																		
38	Recommend Approval of a Customer Service Policy and Revised Fees for Reconnection of Service	RP	None																																		
39	Recommend Approval of a Community Facility District (CFD) Policy	EC	None																																		
40	Discuss Retail Cost-of-Service and Rate Design	EC	Yes - 10 min																																		
41	Recommend Approval of a Resolution to Enter into a Contract with Fieldman Rollapt	RP	None																																		
42	Status of State Water Contract Fund (every Feb)	RP	None																																		
43	Recommend Approval of a Revised Investment Policy - (Annually adopted via reso) (consent)	RP	None																																		
44	Recommend Approval of a Ticket Distribution Policy (consent)	RP	None																																		
45	Discuss Components of Monthly Financial Package	RP	None																																		
46	Review and Discuss Revised Facility Capacity Fees (FCF)	EC	Yes - 15 min																																		
47	Recommend Approval of Revised Facility Capacity Fees (FCF)	EC	Yes - 15 min																																		
48	Recommend Approval of DLT Solutions, LLC Pricing Quotation for Oracle Enterprise Cloud Service	RP	None																																		
49	Discuss Contract with Emtec, Inc. for Customization and Implementation of the FMIS	RP	None																																		
50	Recommend Approval of an intercompany Expense Allocation for PFAS Treatment	RP	None																																		

**Finance and Administration Committee
Planning Calendar
FY 2019/20**

	Item	Author	PowerPoint Presentation (Y/N/Length)	July 2 Board	July 15 Comm	July 17 SPECIAL Comm	Aug 6 Board	Aug 19 Comm	Sept 3 Board	Sept 16 Comm	Oct 1 Board	Oct 15 Board	Oct 21 Comm	Nov 5 Board	Nov 19 Board	Nov 18 Comm	Dec 17 Board	Dec 23 SPECIAL Committee	Jan 7 Board	Jan 13 SPECIAL Comm	Jan 21 Board	Feb 4 Board	Feb 10 SPECIAL Comm	Feb 18 Board	Mar 3 Board	Mar 16 Comm	April 7 Board	April 20 Comm	May 5 Board - cancelled	May 18 Comm	May 19 Board	June 2 Board	June 15 Comm		
51	Recommend Receiving and Filing of December 2019 Monthly Financial Report (consent)	RP	None																																
52	Recommend Receiving and Filing of SCV Water June 30, 2019 Financial Statement (consent)	RP	Yes - 10 min																																
53	Recommend Approval of a Contract with Emtec, Inc. for Customization and Implementation of the FMIS	RP	None																																
54	Recommend Approval of Staffing Plan	RP	Yes 5 min																																
55	Review FY 2020/21 Budget Calendar	RP	Yes - 5 min																																
56	Discuss Financing Plan and 1% Property Tax Revenues	EC	Yes-5 min																																
57	Recommend Approval of Delegation of Authority to Request Disbursements from the OPEB Prefunding Plan	RP																																	
58	Review Annual List of Professional Services Contracts (consent)	RP	None																																
59	Recommend Approval of an Intercompany Expense Allocation for PFAS Treatment	RP	None																																
60	Recommend Receiving and Filing of January 2020 Monthly Financial Report (consent)	RP	None																																
61	Recommend Approval of a POS.... Official language to follow	EC	None																																
62	Recommend Approval of a Proposed Cost of Living Adjustment (COLA) for FY 2020/21	RP	None																																
63	Review of Long-Term Financial Forecast	EC	Yes - 15 min																																
64	Review status of Employee Compensation and Classification Plan Study	RP	None																																
65	Recommend Receiving and Filing of February 2020 Monthly Financial Report (consent)	RP	None																																
66	Recommend Approval of a Resolution Re-Adopting the FY 2020/21 Budget	RP	Yes - 30 min																																
67	Approve a Resolution Adopting the Appropriation of All As-Yet Unappropriated Funds for FY 2019/20 (consent)	RP	None																																
68	Approve a Resolution Adopting the Appropriation Limit for FY 2020/21 (consent)	RP	None																																
69	Discuss Retail Cost-of-Service and Rate Design	EC	Yes - 15 min																																
70	Recommend Receiving and Filing of March 2020 Monthly Financial Report (consent)	RP	None																																
71	Recommend Approval of Participating in a Community Facilities District (CFD) for the Spring Canyon Development	EC	None																																
74	Recommend Approval of Resolution Authorizing July 2020 Water Supply Contract Payment	RP	None																																
75	Continue Discussion of Retail Cost-of-Service and Rate Design	EC	Yes - 15 min																																
76	Review Strategic Plan Performance Metrics	EC	Yes - 10 min																																
77	Recommend Receiving and Filing of April 2020 Monthly Financial Report (consent)	RP	None																																

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**PUBLIC OUTREACH AND LEGISLATION COMMITTEE
AGENDA PLANNING CALENDAR 2019**

January 17, 2019 Committee

1. Legislative Consultant Reports
2. Discussion of Legislative Advocacy Request for Proposals
3. Consideration of Sponsorship for Maven's Notebook4
4. Informational: Monthly Outreach Matrix
5. Informational: Legislative Tracking
6. Informational: Sponsorship Tracking FY 2018/19
7. Informational: Public Outreach Event Calendar 2019
8. Informational: Committee Planning Calendar 2019

February 5, 2019 Board Meeting

February 19, 2019 Board Meeting - CANCELLED

February 21, 2019 Committee

1. Legislative Consultant Reports
2. Discussion of Legislative Advocacy Request for Proposals
3. Recommend Approval of a Media Policy
4. Discussion of Agency's Role in Stewardship of Santa Clara River
5. Other Staff Activity: Blue Ribbon Committee
6. Informational: Monthly Outreach Matrix
7. Informational: Legislative Tracking
8. Informational: Sponsorship Tracking FY 2018/19
9. Informational: Public Outreach Event Calendar 2019
10. Informational: Committee Planning Calendar 2019

March 5, 2019 Board Meeting

March 19, 2019 Board Meeting - CANCELLED

March 21, 2019 Committee

1. Legislative Consultant Reports
2. Discussion of Public Outreach/Legislative FY 2019/20
3. Informational: Monthly Outreach Matrix
4. Informational: Legislative Tracking
5. Informational: Sponsorship Tracking FY 2018/19
6. Informational: Public Outreach Event Calendar 2019
7. Informational: Committee Planning Calendar 2019

April 2, 2019 Board Meeting

1. Recommend Approval of Agency Media Policy
2. Resolution to Adopt Santa Clara River Stewardship

April 18, 2019 Committee

1. Legislative Consultant Reports
2. Presentation: 2019 Customer Satisfaction and Awareness Survey
3. Informational: Monthly Outreach Matrix
4. Informational: Legislative Tracking
5. Informational: Sponsorship Tracking FY 2018/19
6. Informational: Public Outreach Event Calendar 2019
7. Informational: Committee Planning Calendar 2019



PUBLIC OUTREACH AND LEGISLATION COMMITTEE AGENDA PLANNING CALENDAR 2019

May 16, 2019 Committee

1. Interviews of Federal Legislative Advocate Firms

June 4, 2019 Board Meeting

1. Presentation 2019 Customer Satisfaction and Awareness Survey

June 20, 2019 Committee

1. Legislative Consultant Reports
2. Discussion: Federal Legislative Advocacy Selection
3. Public Outreach Activities: Blue Ribbon Committee
4. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2019/20
 - Public Outreach Event Calendar 2019
 - Committee Planning Calendar 2019

July 18, 2019 Committee

1. Legislative Consultant Reports
2. Discussion: Blue Ribbon Committee Membership
3. Public Outreach Activities: PFAS
4. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2019/20
 - Public Outreach Event Calendar 2019
 - Committee Planning Calendar 2019

August 20, 2019 Board Meeting

1. Federal Legislative Advocacy Selection

August 22, 2019 Committee

1. Legislative Consultant Reports
2. Discussion: Blue Ribbon Committee
3. Discussion: Sponsorship Policy
4. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2019/20
 - Public Outreach Event Calendar 2019
 - Committee Planning Calendar 2019

September 18, 2019 Committee - SPECIAL

1. Legislative Consultant Reports
2. Discussion: Sponsorship Policy
3. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2019/20
 - Public Outreach Event Calendar 2019



**PUBLIC OUTREACH AND LEGISLATION COMMITTEE
AGENDA PLANNING CALENDAR 2019**

- Committee Planning Calendar 2019

October 17, 2019 Committee

1. Legislative Consultant Reports
2. Discussion: Social Media Plan
3. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2019/20
 - Public Outreach Event Calendar 2019
 - Committee Planning Calendar 2019/20

November 19, 2019 Board Meeting

1. Website and Social Media Administrative Policy 2019

November 21, 2019 Committee

1. Legislative Consultant Reports
2. Discussion: LAFCO Annexation Process & Municipal Service Review (MSR)
3. Discussion: 2020 Legislative Platform
4. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2019/20
 - Public Outreach Event Calendar 2019
 - Committee Planning Calendar 2019/20

December 17, 2019 Board Meeting

1. Recommend Approval of the 2020 Legislation Platform

December 19, 2019 Committee - CANCELLED



PUBLIC OUTREACH AND LEGISLATION COMMITTEE AGENDA PLANNING CALENDAR 2020

January 16, 2020 Committee

1. Legislative Consultant Reports
2. Public Information Officer Activities:
 - Quarterly Report from Social Media Consultant Tripepi Smith
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2020/21
 - Public Outreach Event Calendar 2020
 - Committee Planning Calendar 2020

February 20, 2020 Committee

1. Legislative Consultant Reports
2. Public Information Officer Activities:
 - Washington D.C. Advocacy Trip
 - SCV Water Agency – Water Summit Update
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2020/21
 - Public Outreach Event Calendar 2020
 - Committee Planning Calendar 2020

March 19, 2020 Committee

1. Legislative Consultant Reports
2. Public Information Officer Activities:
 - SCV Water Agency – Water Summit Update
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2020/21
 - Public Outreach Event Calendar 2020
 - Committee Planning Calendar 2020

April 16, 2020 Committee

1. Legislative Consultant Reports
2. Public Information Officer Activities:
 - SCV Water Agency Open House
 - Legislative Staff Briefing – Update
 - Quarterly Social Media Report
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2020/21
 - Public Outreach Event Calendar 2020
 - Committee Planning Calendar 2020



**PUBLIC OUTREACH AND LEGISLATION COMMITTEE
AGENDA PLANNING CALENDAR 2020**

May 21, 2020 Committee

1. Legislative Consultant Reports
2. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2020/21
 - Public Outreach Event Calendar 2020
 - Committee Planning Calendar 2020

June 18, 2020 Committee

1. Legislative Consultant Reports
2. Public Information Officer Activities:
 - Monthly Outreach Matrix
 - Legislative Tracking
 - Sponsorship Tracking FY 2020/21
 - Public Outreach Event Calendar 2020
 - Committee Planning Calendar 2020

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**Santa Clarita Valley Water Agency
Water Resources & Watershed Committee and Board Calendar**

FY 2019/20

Item	Jul 2 Board	Jul 10 Comm	Aug 6 Board	Aug 14 Comm	Aug 20 Board	Sep 3 Board	Sep 11 Comm	Oct 1 Board	Oct 9 Comm	Oct 15 Board	Nov 5 Board	Nov 13 Comm <i>Cancelled</i>	Dec 11 Comm	Dec 17 Board	Jan 7 Board	Jan 8 Comm <i>Cancelled</i>	Feb 4 Board	Feb 12 Comm	Mar 3 Board	Mar 11 Comm	Apr 7 Board	Apr 8 Comm	May 5 Board <i>To Be Cancelled</i>	May 13 Comm	Jun 2 Board	Jun 10 Comm
1 Update on Conservation Activities & Performance		C		C			C		C			CNLL	C					C		P			P			
2 Update on Conservatory Garden & Pocket Park Pilot Projects		C				C																				
3 Update on Conservation Strategies																										
4 Update on Recycled Water New Drop Program							C											C								
5 Devil's Den Semi-Annual Report		C																								
6 Status of Water Supply and Water Banking Programs		C					C													P						
7 Status of Sustainable Groundwater Management Act Implementation				C								CNLL	C							P			P			
8 Status of Recycled Water Program																										
9 Status of Sites Reservoir Project									C																	
10 Status of Efforts Relating to Groundwater Spreading Pilot Program																										
11 Status of Water Supplies													C													
12 Update on Integrated Regional Water Management Plan Activities		C																								
13 Status of Integrated Regional Water Management Plan Update																										
14 Status of Upper Santa Clara River Salt and Nutrient Management Plan		C																								
15 Status of Rosedale Rio-Bravo Water Storage District Banking and Exchange Program Extraction Facilities		C																								
16 Presentation on the Rosedale-RioBravo Drought Relief Project											C															
17 Status of Devil's Den Solar Generation Facilities																										
18 Recommend Approval of a Resolution of Application by SCVWA Requesting Los Angeles LAFCO Initiate Proceedings For Annexation of Tesoro Del Valle, Making Responsible Agency Findings Pursuant to CEQA and Approving the Project in SCVWA's Limited Role as Responsible Agency		C	C																							
19 CLOSED SESSION: Water Transfer/Exchange				C	C	C																				
20 Status of Activities to Recover Stored Water from Existing Water Banking or Exchange Programs to Meet 2020 Imported Water Demands																										

**Santa Clarita Valley Water Agency
Water Resources & Watershed Committee and Board Calendar**

FY 2019/20

Item	Jul 2 Board	Jul 10 Comm	Aug 6 Board	Aug 14 Comm	Aug 20 Board	Sep 3 Board	Sep 11 Comm	Oct 1 Board	Oct 9 Comm	Oct 15 Board	Nov 5 Board	Nov 13 Comm	Cancelled	Dec 11 Comm	Dec 17 Board	Jan 7 Board	Jan 8 Comm	Cancelled	Feb 4 Board	Feb 12 Comm	Mar 3 Board	Mar 11 Comm	Apr 7 Board	Apr 8 Comm	May 5 Board	To Be Cancelled	May 13 Comm	Jun 2 Board	Jun 10 Comm		
21	Approve a Resolution Authorizing the General Manager to Enter into a Funding Agreement with DWR for Preliminary Planning and Design Costs Related to a Potential New Delta Conveyance Option				C																										
22	Recommend Approval of a Resolution Authorizing the General Manager to Execute an Agreement for SCV Water's Participation in Sites Reservoir Planning Costs																								P						
23	Recommend Approval of Resolution Adopting CEQA Findings for State Water Project Water Management Tools and Authorizing the General Manager to Execute a Contract Amendment for the State Water Project Water Management Tools																										P				
24	Review of Watershed Recharge Feasibility Study						C																		P						
25	Recommend Adopting a Resolution Approving an Agreement in Principle to Amend the Agency's Water Supply Contract with the California Department of Water Resources for a Delta Conveyance Facility and Authorizing the General Manager to Enter into a Cost Sharing Agreement for Facility Planning																										P				
26	CLOSED SESSION: Anticipated Litigation																														
27	Recommend Approval of a Resolution Authorizing the General Manager to (1) Apply for a Round 3 Sustainable Groundwater Management Program Grant on Behalf of the Santa Clarita Valley Groundwater Sustainability Agency, Identifying SCV Water as the Agency Responsible for the Local Cost Share and (2) Execute an Agreement with the State of California for a 2019 Sustainable Groundwater Management Planning Grant				C																										
28	Recommend Adoption of a Resolution Authorizing the General Manager to Submit an Application for a Round 1 Integrated Regional Water Management Implementation Grant and Execute a Grant Agreement with the California Department of Water Resources								C																						
29	Recommend Approval of a Resolution Authorizing the General Manager to Enter Into a Contract with WaterWise Consulting, Inc.								C	C																					
30	Adopt a Resolution Requesting LAFCO Initiate Proceedings for Annexation and Sphere of Influence Amendment for the Area Formerly Served by the Valencia Water Company											CNL			C																
31	Comparison of GSA, IRWM and Measure W Structures and Program Activities													C																	

P = Planned
C = Completed
CNL = Cancelled
CNT = Continued Item

AB1234 Report
Lynne Plambeck
ACWA Water Quality Committee
Webinar, attended at home
2-12-20

Chair Edgar Dymally gave a welcome followed by a short orientation. The committee works with three subcommittees, focusing on various issues or contaminants (one is a PFAS committee). Staff gave an update on the strategic and action plans followed by a Federal update on the perchlorate and PFAS legislation (which didn't happen).

Allan Hirsch from OEHa (Office of Environmental Health Hazards) first described how his office works 135 PhD scientists looking at toxicological issues to determine notification levels. It is based on a formula of when people might be harmed. The first level may be below the detect level, but notification is not set lower than the detection level. His office is not allowed to take cost into consideration. That is the job of the Regional Boards. He gave a long presentation on several contaminants including Trihalomethane, Perchlorate and PFAS. They are now looking at 7 new PFAS chemicals and will require testing for them. Orange County has hired a private firm to review and comment on the State's process, bringing up such things as how animal testing relates to humans and cross contamination. Hirsch replied to these issues. Several questions regarding cost concerns were brought up by the Met, Orange County and BJ Atkins. Hirsch re-iterated that cost to the water system and affordability of water supply is an evaluation made by the Regional Boards.

Jeremy Jungreis, staff to the Clean water committee, had trouble connecting, so Marilyn Coffey gave the report on recent State wetlands actions.

The committee closed with announcements of various ACWA upcoming events. Next meeting will be at the Spring Conference.

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Director name: Gary Martin
Meeting attended: Urban Water Institute Spring Conference
Date of meeting: February 19 – 21, 2020
Location: Hilton Palm Springs Hotel
SCV Water Board meeting to be presented at: March 3, 2020

Sessions Attended and Points of Interest:

1. 2/19/2020, 10:00 AM, UWI Board of Directors Meeting

- Introduction of new board members and those present.
- Discussion of old business; review of inactive members, update of by-laws, strategic planning update.
- Actions item, nominate and approve new officers
 - John Rossi, Board Chair
 - Rich Nagel, Board Vice Chair
 - Secretary, Andree Johnson
 - Treasurer, John Thornton
- Action item, review year-to-date financials
- Action item, update and discussion on United Cal Water
- Informational items, see attached agenda
- Adjourn to closed session to discuss compensation of contract staff
- Adjourned closed session and board meeting at 12:00, noon.

2. 2/19/2020, 1:05 PM, Opening Keynote, Nexus – Water/ Climate Policy

Speaker: Fran Pavley, Environmental Policy Director USC Schwarzenegger Institute.

- Key Points; Senator Pavley's primary point was to reduce dependence on carbon-based fuels for power generation in the water industry and elsewhere.

3. 2/19/2020, 1:45 PM, Session: Overview of Claims and Litigation Issues for Water Districts

Panel: Lisa Ohlund, GM, East Orange Water District (Moderator), plus two attorneys

- Key Points; it seemed to me that the presentation was basically the legal mechanics of litigation, as opposed to guidance on actual litigation issues.

4. 2/19/2020, 3:15 PM, Session: PFOA: Now What?

Panel: refer to attached agenda

- Key Points; Treatment options were discussed and a case study of experiences by Pico Water District were discussed, illustrating the very difficult public relations issues confronted by Pico.

5. 2/20/2020, 9:00 AM, Session: Making the Impossible Possible, Rethinking Institutional and Regulatory Challenges to Drive Success.

Panel: refer to attached agenda

- Key Point; Moderator Paul Jones, GM Eastern Municipal Water District, listed 6 bullet items on what makes a successful institutional change: 1) overcoming technical, financial, and governance challenges; 2) lots of what ifs; 3) be willing to take risks; 4) recognize & seize opportunities; 5) patience, but not too much; 6) sleepless nights.
- Key Point; Matt Stone made an excellent presentation of the merger process that created SCV Water, even though he was constrained by time limits. Matt's takeaways:
 - you need a committed group of leaders on the board

- It is a team effort
- you cannot communicate too often
- go big, or go home
- persistence!

6. 2/20/2020, 10:45 PM, Session: Unleashing Innovation in Your Utility

Panel: refer to the attached agenda

- Key Point; Ed Means was the moderator and did an excellent job in framing the discussion against the backdrop of today's workforce.
- Key Point; A presentation was made that covered projects 4642 and 4907 of the Water Research Foundation.

7. 2/20/2020, 1:00 PM, Session: Hindsight is 2020, Why did some projects not turn out the way they were intended?

Panel: refer to the attached agenda

- Key Point; Steve Erie, Professor Emeritus, UC San Diego, presented a case study where 2 agencies took very different paths following the drought of the early 90's. MWD took the correct course, while SDCWA pursued 2 expensive projects that did not turn out quite so well.
- Key Point; Michael George, Delta Watermaster, SWRCB, took the group back in history to explain that original peripheral canal, which lost on a close vote, would have taken a large towards fulfilling the dual objectives for delta conveyance and habitat restoration had the project been approved by voters and completed.

8. 2/20/2020, 2:15 PM, Session: The Sativa Water District

Panel: refer to the attached agenda

- Key Point; a presentation was made by Mark Pestrella, Director, Los Angeles Public Works, on the failure and the Sativa Water District and the ultimate takeover order by the Los Angeles Board of Supervisors.

9. 2/20/2020, 3:15 PM, Session: Just how ugly can cyber threats be?

Panel: refer to the attached agenda

- Key Point: Cyber threats are very real
- Key Point: Cyber security is everyone's responsibility
- Key Point: Your agency should establish a culture of cyber security

10. 2/20/2020, 4:00 PM, Session: I've seen fire and I've seen rain

Panel: refer to the attached agenda

A presentation was made by representatives of the Paradise Irrigation District and Cal Water.

- Key Point: it was a very somber and moving presentation and discussion regarding the wild fires in Paradise and the very real human impact, including heroic efforts to help their neighbors, both during and after the fires.
- Key Point: there is a need to teach customers to save water for firefighters and turn off your sprinklers. Storage tanks were drained by people leaving their sprinklers on and evacuating their property.

11. 2/21/2020, 8:45 AM, Session: Filling buckets with talents, time and treasure.

Panel: Matt Stone, Moderator; Doug Headrick, Board member, Lifewater Int'l, Kendall Dye, Board member, Golf Fore Africa, LPGA.

A presentation was by Matt Stone and two accomplished professionals who have made a real difference in Africa by teaching communities how to maintain a safe source of drinking water and by following a set fundamental rules for good health in the community.

- Key Point: Every 60 seconds a child dies from preventable water-borne diseases.
- Key Point: 800 million (or more) do not have access to clean water.
- Key Point: When villages get clean water, the babies don't die anymore.

- Key Point: What makes a healthy home: 1) wash hands, 2) use a latrine, 3) store water safely, 4) use a drying rack, 5) clean compound.

12. 2/21/2020, 9:30 AM, Session: The state of the state programs affecting the water utilities business.

Panel: refer to the attached agenda.

Key Point: Erik Ekdahl, Water Rights Division, SWRCB, stated that climate change will change how we catch, store, and use rainfall runoff in the future.

Key Point: Per Erick Ekdahl, funding is based achieving certain goals and outcomes.

Key Point: According to Fiona Sanchez, Director of Water Resources at the Irvine Ranch Water District, IRWD was 66% dependent on imported water in 1990, but was 18% dependent on imported water in 2018.

13. 2/21/2020, 10:15 AM, Session: Regional reliability through partnerships and collaboration.

Panel: refer to the attached agenda.

This was a series of presentations and a panel discussion on various organizations working a combined commitment and mutual goals.

Key point: Kirk Westphal of Brown & Caldwell provided illustrative stories from Massachusetts, Texas, Oklahoma and Connecticut about communities working together for their mutual benefit.

Key Point: Maureen Martin of Contra Costa Water District discussed the Los Vaqueros Reservoir project which will raise the dam 50' and provide a connection to the California Aqueduct. This project would benefit a number of partner agencies.

14. 2/21/2020, 11:15 AM, Session: Who's swimming with the sharks.

Panel: refer to the attached agenda.

This was a session modeled after the shark tank tv show. A panel of three sharks received presentations on water-related products from three participants on their products. This was followed by q & a by the sharks and then voting by the audience for the winner.

I found the conference to be informative and provided a great opportunity to network with representatives from other water agencies to compare notes on challenges and priorities going forward in 2020 and beyond.

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**Board Meeting Agenda
February 19, 2020
10:00am
Palm Springs Hilton**

- I. **10:05 am Meeting call to order by Greg Quist Board Chair**
 - a. Roll call Minimum quorum 30% of active board members or 13 board members of the 42 active Board members
- II. **Review and Approve minutes from August 14, 2019 Board Meeting –group**
- III. **Introduction of Board Members present and New Board Members - Chair Greg Quist**
 - a. Welcome New Board Members:
Alan Boyce, CEO Materra Farms
Shivaji Deshmukh, General Manager IEUA
Gary Martin, Santa Clarita Valley Water Agency
Darcy Burke, Watermark Associates
Shelly Sorsabal, AVEK
Patrick Shields, West Basin Municipal Water District
- IV. **Old Business (Carry over from August Board Meeting):**
 - a. Update and status from review of inactive board members list from August 2019 Board Meeting
 - i. Southern Nevada Water Authority: Greg Quist will reach out to Southern Nevada Water Authority regarding board member.
 - ii. Coachella Valley Water District: Randy Duncan will reach out to Coachella Valley Water District to discuss board position.
 - b. Update and Status of By-Laws update to reflect changes in the board numbers, board meeting quorum, etc.
 - i. The Executive Committee appointed a committee to review the bylaws and make the appropriate changes. The committee includes Matt Stone, Ane Deister and John Thornton.
 - c. Update and Status on Strategic Planning Committee; Agenda and Date for June Strategic Planning Committee session , June 2020
 - i. Appoint committee Chair and committee. Steve Bucknam, Strategic Plan Chair; Chairman Quist to appoint committee members
- V. **Action items:**
 - a. **Appoint a Senior Executive Committee** - Due to the expanding size of the board and with only two meetings per year the Executive Committee at its December meeting, reviewed and recommends the Board appoint a Senior Executive Committee with the authority to make decisions required to run the business of the UWI.
 - i. Approve Senior Executive Committee Recommendation - The Senior Executive Committee would consist of the Chairman, Vice Chairman, Treasurer, Secretary and

**Board Meeting Agenda
February 19, 2020
Continued**

Executive Director and would meet quarterly. The committee will report its actions at a regular board meeting.

- b. Full Executive Committee members include – Past Board Chairs, Executive Director, Board officers, Co-founders, Committee Chairs, Conference Arrangements Director, Director of Administration and one Director at Large
- c. Nominate new Officers – Approve Nominations from Executive Committee:
Board Chair - John Rossi
Vice Chair - Rich Nagel
Secretary - Andree Johnson
Treasurer - John Thornton
Committee Chairs will be appointed by the Board Chair in consultation with the Executive Committee.
- d. **Review Financials** year to date – Treasurer John Thornton
 - i. Review highlights of the 2019 financial year - receive and File
- e. **United Cal Water** Update and discussion of the 2020 Conference – Jim Atkinson and John Kingsbury.
 - i. Recommend Board authorize \$5,000 to support the joint program.

VI. Information Items

- a. Report and Comments from Executive Director Ane Deister
- b. Membership recruitment Future /Membership event – group
- c. Sponsorship Recruitment – group
- d. August 19-21, 2020 Conference Planning - group
 - i. Start discussion of conference theme and content. What will be the water issues of later part of 2020?
- e. Other Items

VII. Adjourn General Session for a Closed Session 11:30am

VIII. Closed Session - Contract Staff will be excused

- a. Discuss and approve updated compensation of contract staff.

IX. Adjourn Closed Session and February Board Meeting 12:00pm



- d. Review financials year to date – Treasurer John Thornton
 - i. Review 2019 financials for the first six months
 - ii. Discuss and approve end of year donation of:
 - 1. \$4000 a full scholarship, to the Water Education Foundation’s William R. Gianelli Young leaders’ program
 - 2. \$1000 Maven’s Notebook
- e. Review and Approve Updated Strategic Plan
 - i. Presentation Updated Plan by Ane Deister
 - ii. Approve Updated Plan - group
 - iii. Set date for next update - group

III. Information Items

- a. Report and Comments from Executive Director Ane Deister
- b. Membership recruitment Future /Membership event – group
- c. Sponsorship Recruitment – group
- d. February 19 – 21, 2020 Conference Planning - group
 - i. Start discussion of conference theme and content. What will be the water issues of 2020?
- e. Other Items

IV. Adjourn 12:00pm



Urban Water Institute's Spring Conference • February 19-21, 2020
Hilton Palm Springs Hotel • Palm Springs • California

Wednesday, February 19, 2020

12:00 p.m. Registration, Networking, & Exhibits (Horizon Ballroom)

Day 1 Program: Trials, Tribulations, and Confrontations

1:00 p.m. Opening Remarks & Introduction

- Greg Quist, Chairman, Urban Water Institute

1:05 p.m. Opening Keynote

- Senator Fran Pavley, A Leader in Water, Natural Resources, Energy, and Water Policies

1:45 p.m. So Sue Me: Overview of Claims and Litigation Issues for Water Districts

It seems like every time you turn around there is some one out there seeking to sue. Lessons learned, steps to prevent actions, ways to protect your operations—learn from the experts.

- Lisa Ohlund, General Manager, East Orange Water District, Moderator
- Claire Collins, Partner, Hanson Bridgett
- Samantha Dorey, Partner, Everett Dorey, LLP

3:00 p.m. Networking Break - Sponsored by Western Municipal Water District

3:15 p.m. PFOA: Now What?

Is the state throwing water agencies into the deep end without a way out? What are the rules and what are utilities doing to comply?

- Steve Bucknam, President, Bucknam & Associates, Moderator
- Meg McWade, Director of Public Works, City of Fullerton
- Nicole Blute, Vice President, Hazen and Sawyer
- Mark Grajeda, General Manager, Pico Water District

4:30 p.m. Adjourn

5:30 p.m. Welcome Reception - Sponsored by Water Replenishment District of Southern California

6:30 p.m. Dinner On Your Own

Thursday, February 20, 2020

7:45 a.m. Registration, Networking, Exhibits & Buffet Breakfast - Sponsored by Santa Clarita Valley Water Agency (Horizon Ballroom)

Day 2 Program: The Good, The Innovative, and The Downright Ugly

8:45 a.m. Meet the Exhibitors/Sponsors

- Ane Deister, Executive Director, Urban Water Institute

9:00 a.m. Making the Impossible, Possible: Rethinking Institutional and Regulatory Challenges to Drive Success

Featuring four cases involving: early game changers transforming GWRIS implementation; overcoming interagency financial and cultural constraints leading to effective consolidation; discerning a shift in water use from live stream discharge to potable reuse; boldly reversing an avoidance approach leading to incorporation of a previously private system into a public agency.

- Paul Jones, General Manager, Eastern Municipal Water District, Moderator
- Mike Markus, General Manager, Orange County Water District
- Matt Stone, General Manager, Santa Clarita Valley Water Agency
- Dave Pedersen, General Manager, Las Virgenes Municipal Water District
- Joe Mouawad, Assistant General Manager, Eastern Municipal Water District

10:30 a.m. Networking Break - Sponsored by Irvine Ranch Water District

10:45 a.m. Unleashing Innovation in Your Utility

How to go from concept to action—successful innovation in traditional utility frameworks.

- Ed Means, President, Means LLC, Moderator
- Jason Carter, Strategy & Innovation Lead, Arcadis
- Deven Upadhyay, Chief Operating Officer, Metropolitan Water District



**Urban Water Institute's Spring Conference • February 19-21, 2020
Hilton Palm Springs Hotel • Palm Springs • California**

12:00 p.m. Lunch - Sponsored by Coachella Valley Water District (Plaza Ballroom)

1:00 p.m. Hindsight is 2020

Why did some projects not turn out the way they were intended? Why did some efforts miss the mark?

- Malissa Hathaway-McKeith, President, CURE, Moderator
- Michael George, Delta Watermaster, State Water Resources Control Board
- Steve Erie, Professor Emeritus, UC San Diego
- Kevin Hunt, General Manager, Central Basin Water District

2:15 p.m. The Sativa Water District... a Story you won't Believe and; the Wild, Wild West Coast and Central Basins—A History Lesson

In the spirit of the good, the innovative and down right ugly, this is a must see panel.

Introduction By Rich Nagel, Jacobs

- Mark Pestrella, Director, Los Angeles Public Works
- Rob Katherman, Board of Directors, Water Replenishment District, Moderator
- Robb Whitaker, General Manager, Water Replenishment District
- Bill Kruse, Managing Partner, Lagerlof, Senecal, Gosney & Kruse, LLP

3:00 p.m. Networking Break - Sponsored by Upper San Gabriel Valley Municipal Water District

3:15 p.m. Just How Ugly Can Cyber Threats Be?

What are the threats to utilities, what are ways to protect against the threats, who holds the secrets?

- Dave Pedersen, General Manager, Las Virgenes Municipal Water District, Moderator
- Deron McElroy, Chief of Operations, Cybersecurity and Infrastructure Security Agency
- Eric Conway, Technical Director Cybersecurity Capabilities and Solutions, Jacobs Cyber

4:00 p.m. I've Seen Fire and I've Seen Rain

First-hand experiences from utilities experiencing impacts of fire fighting response measures. Hear the Paradise Fire story—good and ugly.

- Andree Hunt-Johnson, Sr. Water Resources Engineer, BAWSCA, Moderator
- Rob Kuta, Vice President, California Water Service
- Mickey Rich, Public Information Officer, Paradise Irrigation District
- George Barber, District Manager, Cal Water's Chico and Oroville Districts

5:30 p.m. Chairman's Reception - Sponsored by DUDEK (Plaza Ballroom)

Friday, February 21, 2020

7:45 a.m. Registration, Networking, Exhibits & Buffet Breakfast - Sponsored by Meyers Nave (Horizon Ballroom)

Chairman's Drawing: Don't miss out on your opportunity to win an Apple Watch. Please pick up your ticket at the registration desk.

Day 3 Program: Inside and Outside the Business of Water

8:30 a.m. Opening Remarks

- Ane Deister, Executive Director, Urban Water Institute

8:45 a.m. Filling Buckets with Talents, Time and Treasure

Unsung heroes are helping people, communities and nations deliver clean, safe water where there is neither. Stories are inspirational and a tribute to those who give willingly to help others in need.

- Matt Stone, General Manager, Santa Clarita Valley Water Agency, Moderator
- Doug Headrick, Board member, Lifewater International
- Kendall Dye, Board Member, Golf Fore Africa, IPGA



**9:30 a.m. The State of the State Programs
Affecting the Water Utilities Business**

*The Delta Conveyance NOP on the street;
Governor Newsom moving forward with
sustainability. How do they affect utilities?*

- Rich Nagel, Vice President, Jacobs, Moderator
- Erik Ekdahl, Water Rights Division, State Water Resources Control Board
- Fiona Sanchez, Director of Water Resources, Irvine Ranch Water District

**10:15 a.m. Regional Reliability through
Partnerships and Collaborations**

*Meeting today's water demands sometimes
takes a village—several organizations working
with a combined commitment and mutual
goals. Some examples will be shared.*

- Andree Hunt Johnson, Sr. Water Resources Engineer, BAWSCA, Moderator
- Maureen Martin, Special Projects Manager, Contra Costa Water District
- Amy Holm, Executive Director, The Climate Registry
- Brad Coffey, Group Manager of Water Resource Management, Metropolitan Water District
- Kirk Westphal, Water Resources Leader, Brown & Caldwell

11:15 a.m. Who's Swimming with the Sharks?

It's 2020, twenty years into the 21st century, and while we fiddle with our smart phones, we're still struggling with how to bring new technology into our water and wastewater systems. "We've always done it this way" is our battle cry. But there continue to be brave folks trying to make things better for us and our customers. Welcome three of these intrepid entrepreneurs pitching their ideas in front of a panel of wizened water warriors. Sit back and enjoy—today's trip into the Shark Tank!

- Greg Quist, Board of Directors, Rincon del Diablo Water District, Moderator

Shark Tank Presenters:

- Adam Stein, CEO, Advantageous Systems LLC
- Charles Jennings, General Manager, Jenfitch Inc.
- Dan Angelescu, CEO, Fluidion US Inc.

Shark Tank Judges:

- Lisa Ohlund, General Manager, East Orange County Water District
- Bob Siemak, Assistant General Manager, Water Conservation District
- Cristina Ahmadpour, President, Isle Utilities

Chairman's Raffle Drawing!

**Conference Adjourns
Thank You For Joining Us!**

DIRECTOR AB 1234 REPORT

Director Name: DANIEL R. MORTENSEN

Meeting Attended: URBAN WATER INSTITUTE'S
SPRING WATER CONFERENCE

Date of Meeting: FEBRUARY 19-21, 2020

Board Meeting to Be Presented At: March 3, 2020

Points Of Interest: I attended the U.W.I. Spring Conference. Items of particular interest were presentations by our GM Matt Stone and a discussion on Cyber Security. The main threats in the cyber world are now foreign state actors, not teenagers in their parents' basements. I also enjoyed a "Shark Tank" for water inventions, with the winner being a new technology for TFD's removal.

Please Attach Agenda or Brochure if Available.

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