




Date: April 4, 2018

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

From: Steve Cole 
Assistant General Manager

The **Water Resources and Watershed Committee** is scheduled to meet on **Wednesday, April 11, 2018 at 6:00 PM at Santa Clarita Water Division** located at 26521 Summit Circle, Santa Clarita, CA 91350 in the Training Room.

MEETING AGENDA

1. Public Comments
2. * Update on Conservation Activities
3. Water Resources Director's Report
 - * 3.1 Status of Water Supplies
 - 3.2 Other Staff Activities
4. * Committee Planning Calendar
5. 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 April 4, 2018.

MBS



COMMITTEE MEMORANDUM

DATE: March 29, 2018

TO: Water Resources and Watershed Committee

FROM: Steve Cole *SC*
Assistant General Manager

SUBJECT: Update on Conservation Activities

SUMMARY AND DISCUSSION

Gallons Per Capita Performance (SBx7-7 20 Percent by 2020)

In 2009, the State of California approved SBx7-7 which required urban water suppliers to achieve a 20% reduction in per capita water use by 2020. In 2010, the urban water providers in the Santa Clarita Valley collaborated to develop methodologies and mechanisms to both define and comply with the requirements established by the bill. Baseline and target Gallons per Capita Day (GPCD) metrics were determined for each retail purveyor in the Santa Clarita Valley by dividing total annual production by the total population and number of days in the year (Total Production/Total Population/365 Days). As the table below shows, for Newhall, the Baseline GPCD in 2010 was 238 with a 2020 Target of 190 GPCD. Newhall's current GPCD, as calculated at the end of 2017 was 177. Newhall's actual GPCD reduction at the end of 2017 was 26% below the calculated GPCD Baseline. Santa Clarita's Baseline GPCD in 2010 was 251 with a 2020 Target of 201 GPCD. As of 2017, Santa Clarita's GPCD was 186, 26% below the calculated GPCD Baseline. Valencia Water's Baseline GPCD was 335 with a Target of 268 GPCD. Valencia's current GPCD is 242, 28% below the calculated GPCD Baseline.

Division	Actual GPCD (2017)	Baseline GPCD (2010)	Target GPCD (2020)	Difference in % (Actual v. 2020 Target)
Newhall	177	238	190	26%
Santa Clarita	186	251	201	26%
Valencia	242	335	268	28%

Table 1. SCV Water – GPCD Performance by Retail Division (2017)

SWRCB Conservation Performance (Relative to 2013 Baseline)

Following the Governor's Emergency Drought Declaration in 2014, the State Water Resources Control Board (SWRCB) implemented a monthly reporting regime that compared each month's water production volumes to the same month from 2013. Further, the SWRCB provided conservation targets for each urban water supplier based on their Residential GPCD. In 2016, as a result of higher than normal precipitation and snowpack, the SWRCB transitioned from the R-GPCD based monthly conservation targets to a target regime founded on supply reliability assuming continued drought hydrology. Based on our local assessment, which determined supply reliability in the affirmative, the conservation targets were rescinded. However, SCV Water's retail divisions continue to report conservation performance relative to the 2013

Baseline on a monthly basis. As shown on the table below, using a weighted methodology, SCV Water's current production, compared to the same period from 2013, was .6% over in January 2018, 10.3% over in February 2018, and 51.2% below in March 2018 (as of March 26); year to date production is down 17.1% compared to January through March 2013. Figures are reported for each division in the table below. Conservation is actively monitoring SWRCB's proposed updates and changes to the current regulation framework.

Division	January	February	March	Year to Date
SCV Water – All	.6%	10.3%	-51.2%	-17.1%
Newhall	-3.5%	7%	-49.4%	-18.2%
Santa Clarita	2.2%	13.7%	-44.9%	-12.7%
Valencia	.5%	8.1%	-57.5%	-20.9%

Table 2 – SCV Water – Monthly State Water Board Conservation Reporting by Retail Division (Q3 FY17/18)

Non-Revenue Water – Water Loss Audit Key Performance Indicators (CY/FY 2017)

Senate Bill No. 555, approved in 2015 and implemented in 2017, requires urban water suppliers to submit validated water loss audits on or before October 1, 2017 and on or before October 1 of each year thereafter. Urban water suppliers are required to post completed and validated reports to the Department of Water Resource's (DWR) internet website for public viewing. To guide urban water suppliers with the initial validation process, the state provided technical training and assistance via the Technical Assistance Program (TAP) which was comprised of three waves of in-person and online training sessions. Each retail division completed and submitted their validated water loss audit to DWR on time and in accordance with requirements stipulated in the bill. For the water loss audit reporting period, Newhall and Santa Clarita reported fiscal year and Valencia reported calendar year. The table above identifies key performance indicators as reported in the water loss audits. As shown in the table below, the Infrastructure Leakage Indicator (ILI) measures real water losses and is based on the ratio of Current Annual Real Losses to Unavoidable Annual Real Losses (Newhall – 1.42, Santa Clarita – 2.32, and Valencia - .43). The Percent of Water Supplied notes the percentage of total water losses compared to all sources of supply (Newhall – 5.4%, Santa Clarita – 9.2%, and Valencia – 1.5%) and Percent of Cost of Operating System notes non-revenue water as a percent by cost of operating the water system (Newhall – 2.5%, Santa Clarita – 4.0%, and Valencia 1.5%).

Division	ILI	Percent of Water Supplied	Percent of Cost of Operating System
Newhall	1.42	5.4%	2.5%
Santa Clarita	2.32	9.2%	4.0%
Valencia	.43	2.7%	1.5%

Table 3. SCV Water – Water Loss Audit Key Performance Indicators by Retail Division (2017)

Conservation Programs

Following the launch of SCV Water, the conservation department is diligently working to facilitate team formation and programmatic and process alignment. These activities include transitioning staff from Valencia Water Division facilities to Water Resources (includes linked resources and access capabilities), team building and establishment of responsibilities and focus, budget(s) alignment (Import and Retail Divisions), and short and long-term outreach strategies. Key conservation activities to be discussed by Import and Retail Divisions.

Import – SCV Water's CII (Commercial, Institutional, and Industrial) Turf Removal Program has converted 213,961 sf of turf in the current fiscal year and is operating at 57% of plan. Customers can receive an incentive of \$2.00 per sf for replacing high water using turf with water efficient landscape or approved ground covering.

Retail – Conservation has received 500 residential home water efficiency kits to be distributed to each retail division's customer service department for distribution and tracking. The kits have been branded with SCV Water's logo and include water efficient devices including automatic shut-off hose nozzles, high-efficiency showerheads, high-efficiency faucet aerators, a toilet flapper, toilet leak detection dye tabs, a flow rate measuring bag, and instructions. The kits are provided to customers upon request at no cost.

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COMMITTEE MEMORANDUM

ITEM NO.
3.1

DATE: March 29, 2018
TO: Water Resources and Watershed Committee
FROM: Dirk Marks *DM*
Director of Water Resources
SUBJECT: Status of Water Supplies

SUMMARY AND DISCUSSION

On November 29, 2017, the Department of Water Resources (DWR) announced an initial State Water Project (SWP) Allocation of 15 percent. The allocation increased to 20 percent on January 29, 2018. Given recent hydrologic conditions, DWR is analyzing if the current allocation can be maintained.

As illustrated on Attachment 1, following a dry February, precipitation was plentiful statewide in March 2018. However, precipitation in Water Year 2018 is still below average both statewide and within the Santa Clarita Valley. As shown on Attachment 2, the Santa Clarita Valley has received approximately 8.0 inches of rainfall (similar to drought year 2015/2016) compared to 19.7 inches during the same period last year. The Santa Clarita Valley was considered to be in severe drought conditions; however, as shown on Attachment 3, recent rain changed the status to moderate drought conditions.

Snowpack throughout the Sierras is also well below normal. As illustrated on Attachment 4, the northern, central and southern snowpack are at 48 percent, 65 percent and 56 percent of normal, respectively. Statewide, the snowpack is at only 58 percent of normal.

As shown in Attachment 5, the three-month outlook for precipitation in California is dryer than normal and the three-month probability outlook for temperature shows above normal temperatures.

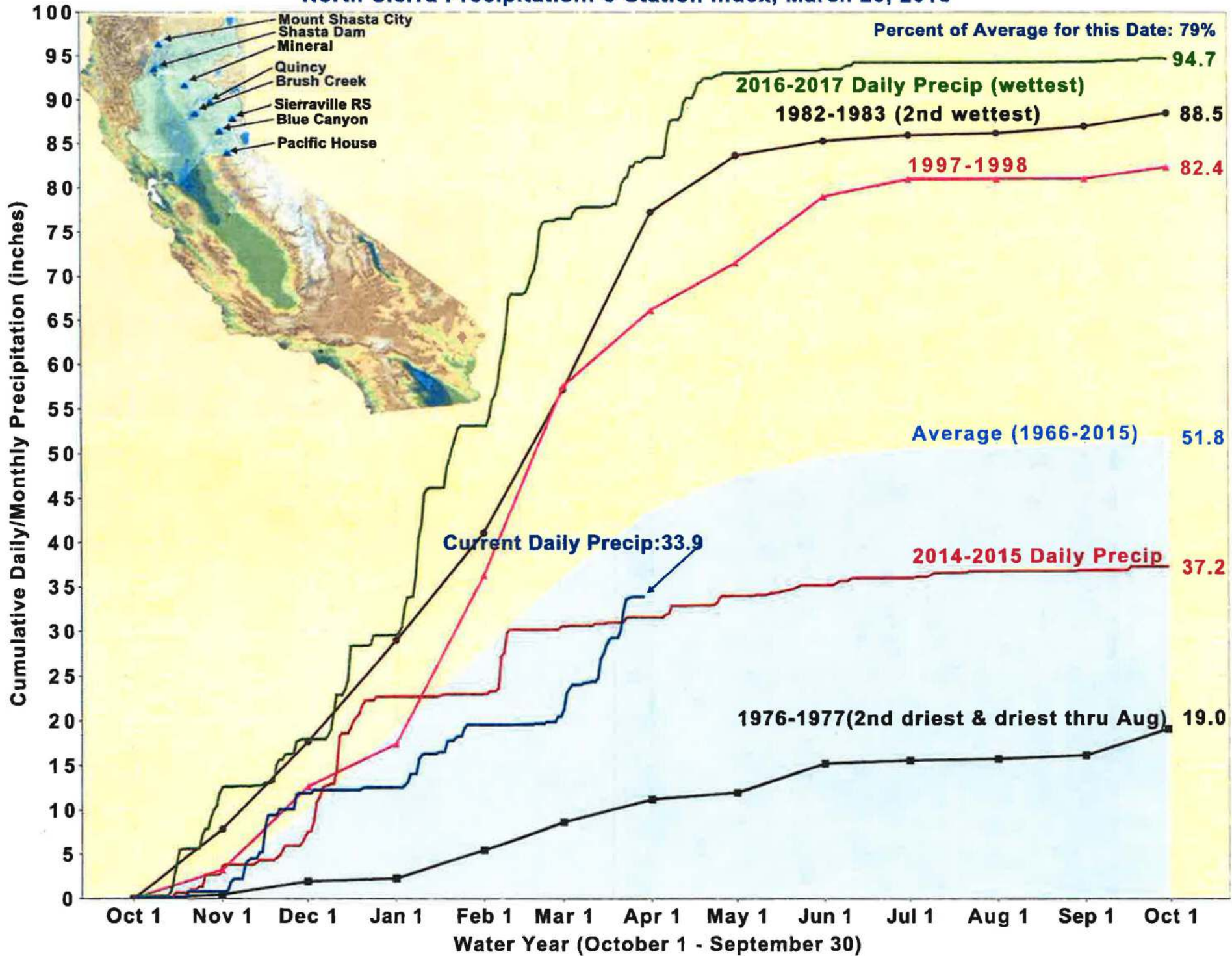
Staff prepared operating plans that considered the rebounding water demand, availability of local groundwater, and three potential imported water supply scenarios. These analyses are shown on Attachment 6 and are complicated by the possibility that Article 56C carryover supply in San Luis reservoir is still under risk of spilling in 2018. Both the 15 and 20 percent allocation scenarios assume some spill of carryover supply. If the SWP allocation remains low and Article 56C carryover supply in San Luis Reservoir spills, SCV Water will have to access water stored in its banking programs to meet projected demand.

CZH

Attachments

MBS

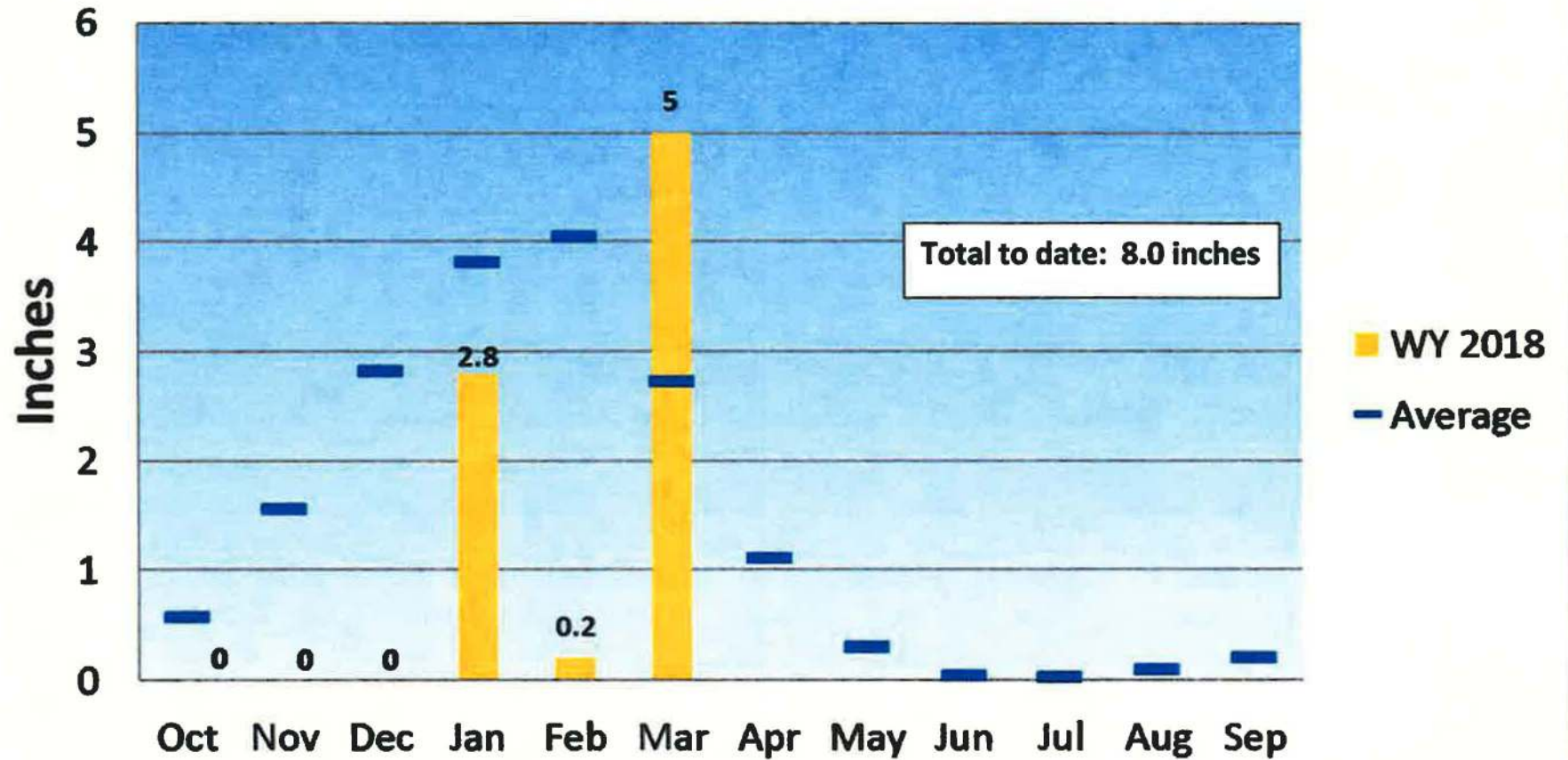
North Sierra Precipitation: 8-Station Index, March 29, 2018



Attachment 1

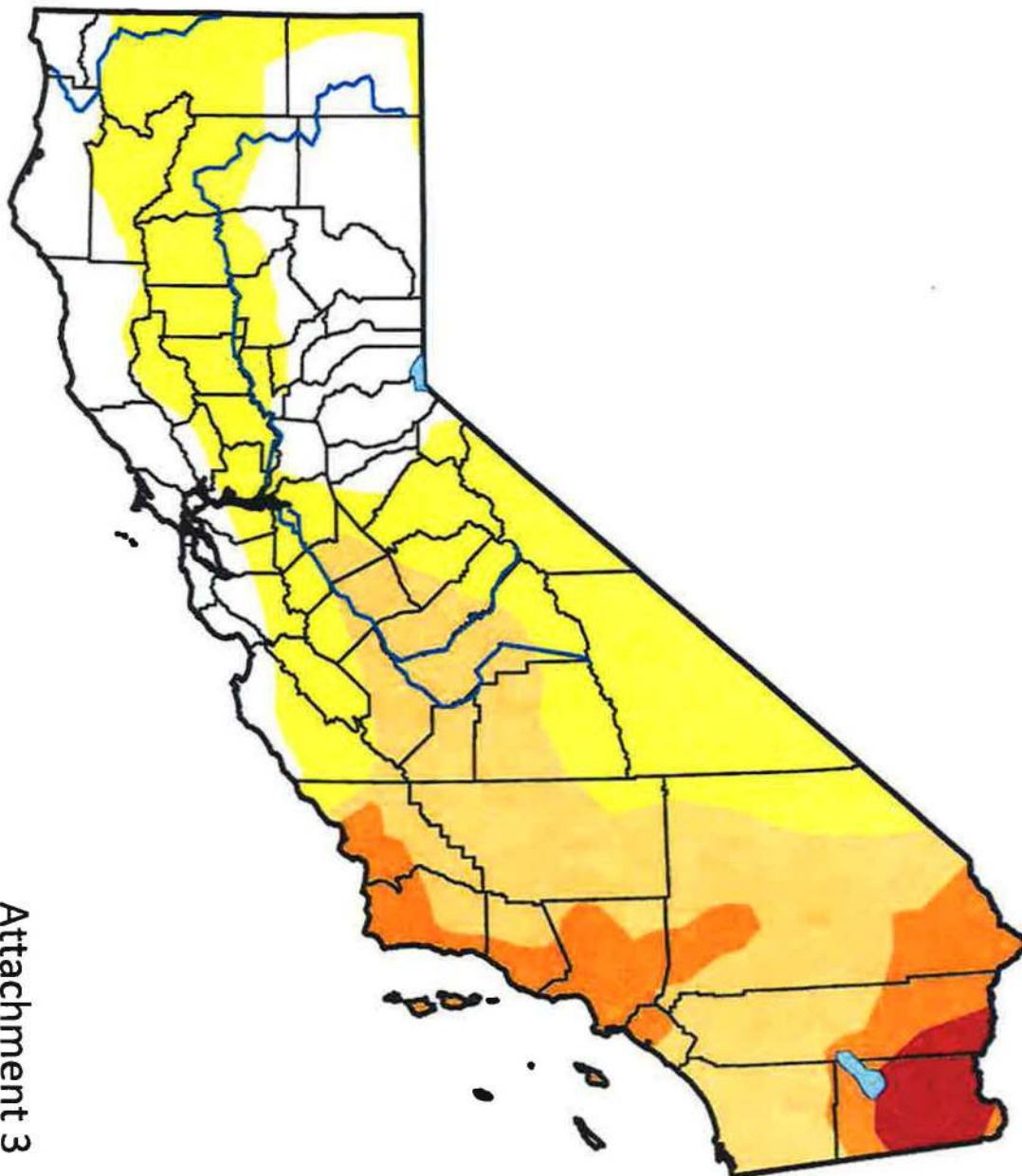
Total Water Year Precipitation

SCV Precipitation Water Year 2018



U.S. Drought Monitor California

March 27, 2018
(Released Thursday, Mar. 29, 2018)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	22.99	77.01	40.77	12.56	2.50	0.00
Last Week <i>03-20-2018</i>	11.08	88.92	47.68	22.31	0.43	0.00
3 Months Ago <i>12-26-2017</i>	55.70	44.30	12.69	0.00	0.00	0.00
Start of Calendar Year <i>01-02-2018</i>	55.70	44.30	12.69	0.00	0.00	0.00
Start of Water Year <i>09-26-2017</i>	77.88	22.12	8.24	0.00	0.00	0.00
One Year Ago <i>03-28-2017</i>	76.54	23.46	8.24	1.06	0.00	0.00

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought


The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Chris Fenimore
NCEI/NESDIS/NOAA



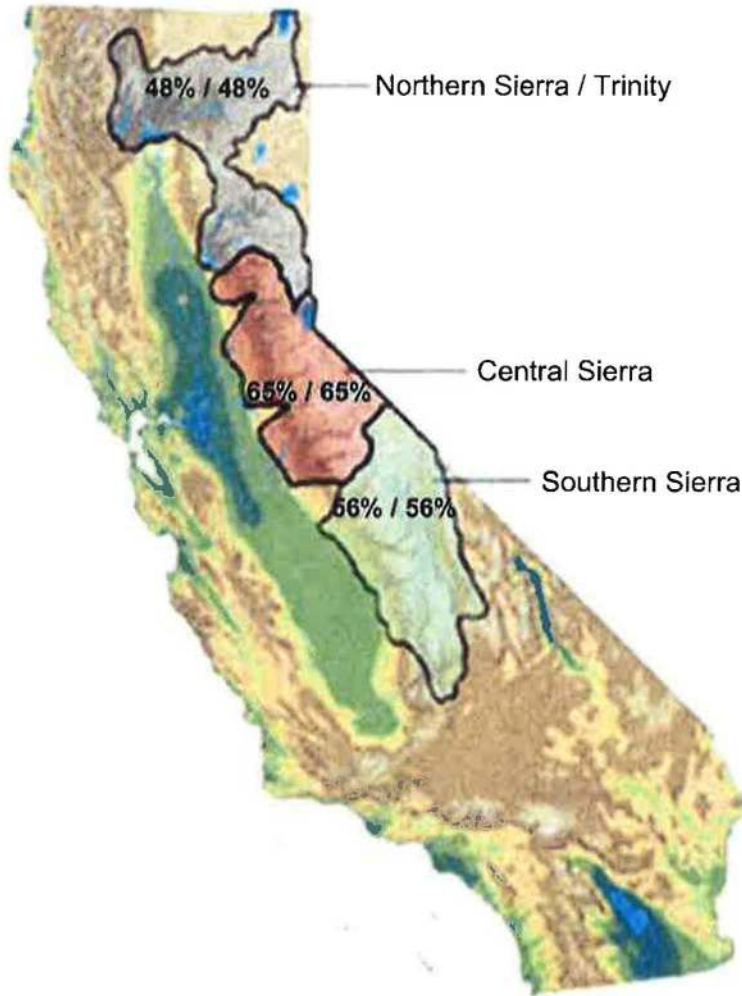
Attachment 3



Statewide Summary of Snow Water Content

Current Regional Snowpack from Automated Snow Sensors

% of April 1 Average / % of Normal for This Date



NORTH	
Data as of March 27, 2018	
Number of Stations Reporting	30
Average snow water equivalent (Inches)	13.3
Percent of April 1 Average (%)	48
Percent of normal for this date (%)	48

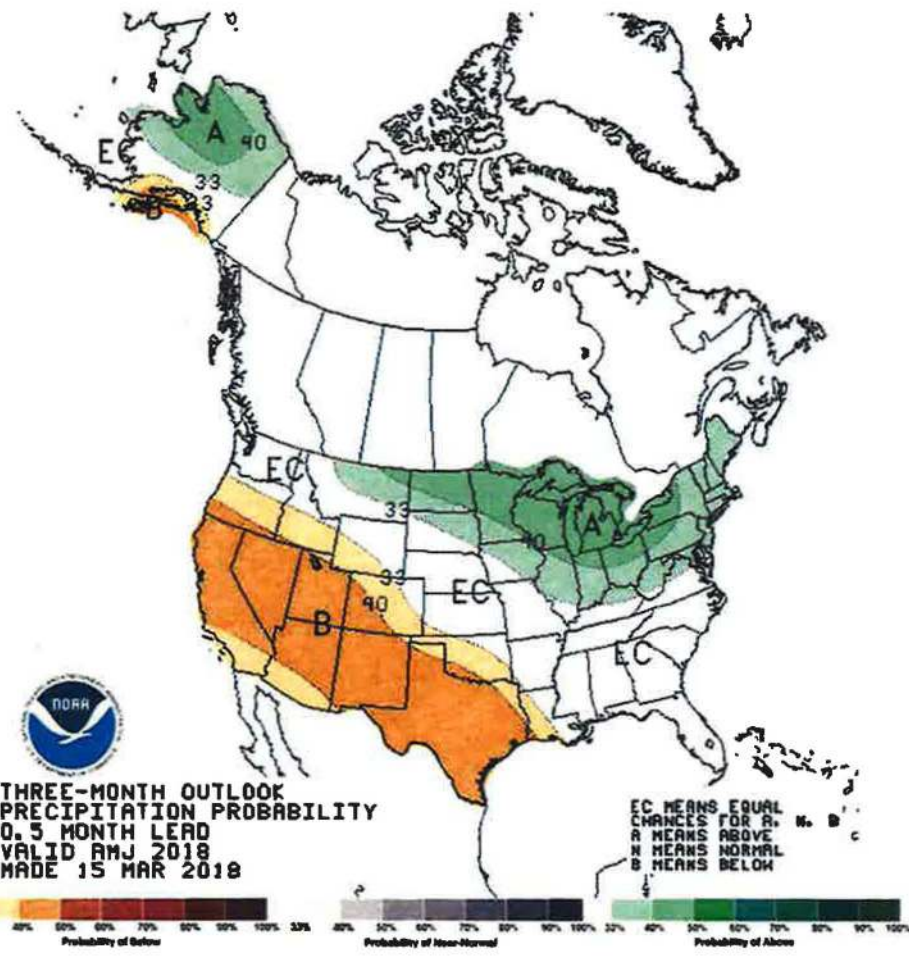
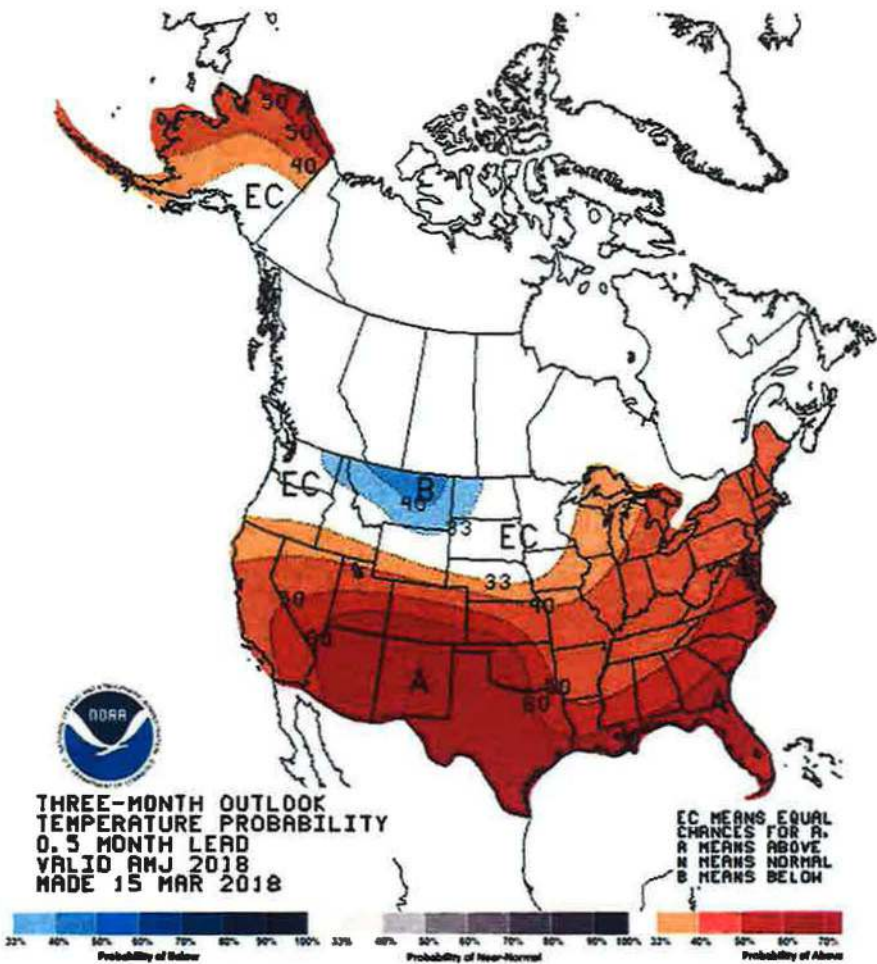
CENTRAL	
Data as of March 27, 2018	
Number of Stations Reporting	42
Average snow water equivalent (Inches)	19.1
Percent of April 1 Average (%)	65
Percent of normal for this date (%)	65

SOUTH	
Data as of March 27, 2018	
Number of Stations Reporting	28
Average snow water equivalent (Inches)	14.5
Percent of April 1 Average (%)	56
Percent of normal for this date (%)	56

STATE	
Data as of March 27, 2018	
Number of Stations Reporting	100
Average snow water equivalent (Inches)	16.1
Percent of April 1 Average (%)	58
Percent of normal for this date (%)	58

Statewide Average: 58% / 58%

Data as of March 27, 2018



Attachment 5

DRAFT - 2018 Operating Plan (dry)	2018 10% SWP Allocation	2018 15% SWP Allocation	2018 20% SWP Allocation
Demand	71,950	71,950	71,950
Groundwater ¹	26,035	26,035	26,035
Alluvium	16,035	16,035	16,035
Saugus	10,000	10,000	10,000
Recycled Water	500	500	500
Imported Demand	45,415	45,415	45,415
SWP Table A	9,520	14,280	19,040
BVRRB	11,000	11,000	11,000
Total Available Imported Supplies	20,520	25,280	30,040
Excess Imported Supplies (neg = shortfall)	(24,895)	(20,135)	(15,375)
SWP Carryover Delivered ²	24,895	6,000	6,000
Devil's Den Delivery	0	0	0
Rosedale Banking		4,000	4,000
Rosedale Exchange			
Water Sales/Exchanges			
Flexible Storage (up to 6,060 AF)		5,135	375
Semitropic Enhanced Recovery Unit		5,000	5,000
2018 SWP Carryover into 2019 (neg = excess)	0	0	0
Total Supplies	45,415	45,415	45,415

Notes:

1. 2018 Projected Alluvium and Saugus groundwater based on retailers' dry estimates 12/17; Saugus was revised 3/18.

2. 42,788 AF of carryover into 2018. It is unknown at this time if "spill" of carryover supplies will occur.

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

FY 2017/18

	Item	Jan 16 Board	Mar 14 Comm	Mar 20 Board	Apr 3 Board	Apr 11 Comm	May 1 Board	May 14 Comm	Jun 5 Board	Jun 13 Comm	Jul 3 Board
1	Status of Water Supplies					P					
2	Review and Provide Input on Proposed Watershed Program Approach for SCV Water		C		C						
3	Status of Upper Santa Clara River Salt and Nutrient Management Plan										
4	Review Proposal to Purchase Devil's Den Property (CLOSED SESSION)		C	C							
5	Recommend Authorizing the General Manager to Recover Stored Water from Existing Water Banking or Exchange Programs		C		C						
6	Status of Sustainable Groundwater Management Act Implementation		C								
7	Status of Rosedale Rio-Bravo Water Storage District Banking and Exchange Program Extraction Facilities		C								
8	Recommend Approval of a Resolution Authorizing the General Manager to Execute an Assignment of Buena Vista-Rosedale Rio Bravo Water Supply to the Proposed Tapia Annexation							P	P		
9	Status of Integrated Regional Water Management Plan Update		C								
10	Status of Sites Reservoir Project		C								
11	Devil's Den Semi-Annual Report		C								
12	Status of Water Banking							P			
13	Update on Interim Financing of the Bay Delta Conservation Plan (BDGP) Activities							P	P		
14	Update on Conservation Activities					P					

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