

ABOUT THE DROUGHT

STATUS OF DROUGHT RESPONSE AND PERFORMANCE

MATTHEW DICKENS, MPA
SUSTAINABILITY MANAGER



Water Resources &
Watershed Committee
October 12, 2022

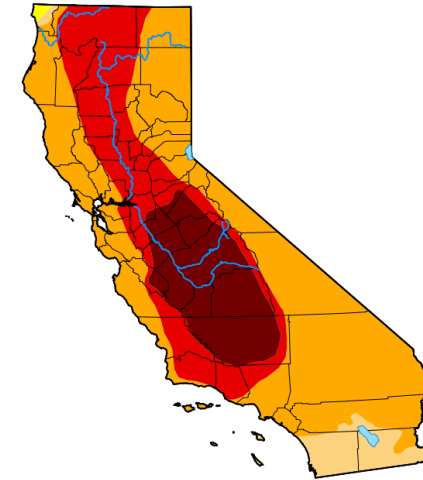
PRESENTATION OVERVIEW

1. REGULATORY STATUS
2. SCV WATER DROUGHT READY
3. DEMAND PERFORMANCE
4. NEXT STEPS
5. Q&A



U.S. Drought Monitor California

October 4, 2022
(Released Thursday, Oct. 6, 2022)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.00	100.00	99.77	94.02	40.91	16.57
Last Week 09-27-2022	0.00	100.00	99.76	94.01	40.91	16.57
3 Months Ago 07-05-2022	0.00	100.00	99.80	97.48	59.81	11.59
Start of Calendar Year 01-04-2022	0.00	100.00	99.30	67.62	16.60	0.84
Start of Water Year 09-27-2022	0.00	100.00	99.76	94.01	40.91	16.57
One Year Ago ^a 10-05-2021	0.00	100.00	100.00	93.93	87.88	45.66

Intensity:

None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>.

Author:
Brad Pugh
CPC/NOAA



droughtmonitor.unl.edu



REGULATORY STATUS

STATE & LOCAL

REGULATORY UPDATES

➤ GOVERNOR EMERGENCY DECLARATIONS

- April 21, 2021 (2 Counties)
- May 10, 2021 (Extended to 41 Counties)
- July 9, 2021 (Extended to 50 Counties & 15% Voluntary Conservation v. 2020)
- September 21-22 (State Water Resources Control Board Monthly Reporting)
- October 19, 2021 (Drought Emergency Extended to Include All Counties)
- January 4, 2021 (SWRCB Adopts Emergency Regulations)
- March 28, 2022 (Executive Order N-7-22)
- **May 24, 2022 (SWRCB Adopted Emergency Regulations No. 2022-0018 – Effective June 16, 2022)**

➤ SCV WATER – WATER SHORTAGE CONTINGENCY PLAN/WATER CONSERVATION AND WATER SUPPLY SHORTAGE ORDINANCE

- **April 26, 2022 (SCV Water Enacts Stage 2 WSCP and Ordinance)**
- 11/16/2021 (SCV Water Enacts Stage 1 WSCP and Ordinance)
- Conservation Program Uptake Increasing
- Drought Communication & Engagement Enhancements





SCV WATER DROUGHT READY

DROUGHT RESPONSE & COMMUNITY LEADERSHIP

SCV WATER – WSCP & ORDINANCE

**WSCP Level 2 Strategy
Moderate Shortage**



**DROUGHT
READY SCV**

WSCP STAGE 2- DROUGHT PROGRAMS

Conservation Programs:

- Lawn Replacement Rebates
- Drought Ready Check-Ups
- Smart Controller Rebates
- HELP Rebates (HE Irrigation Improvements)
- Drip Conversion Rebates
- Irrigation Check-Ups
- Online Workshops
- Education Classes



WSCP STAGE 2 – WATER WASTE RESTRICTIONS

Restrictions:

- Allowing Runoff
- Washing cars without hose nozzle
- Using water to wash down sidewalks, driveways, and hardscapes
- Irrigating during and within 48 hours of measurable rain (.25 inch)
- Using fountains without recirculating pump
- Watering turf on public medians



WSCP STAGE 2 – WATERING RESTRICTIONS

Restrictions:

- **Limits on Watering Days to 3 Day per Week Watering**
 - Odd Addresses (M,W,F)
 - Even Addresses (T,Th,Sun)
 - No Watering on Saturdays
- **Limits on Watering Station Run Times (Duration)**
 - Two 5-minute cycles (10 minutes max)
- **Watering Times (Time of Day)**
 - Nov-Apr → 6 PM to 10 AM
 - May-Oct → 8 PM to 9 AM



WSCP COMMUNICATIONS - OVERVIEW

FREQUENTLY ASKED QUESTIONS ABOUT THE DROUGHT

What's Up with Watering Restrictions?
What's in Effect: Water Conservation and Water Shortage Ordinance **STAGE 2** Efficient Irrigation Practices



WATERING REQUIREMENTS	HOW LONG TO WATER	WHEN TO WATER
<p>No more than 3 days per week</p> <ul style="list-style-type: none"> Odd addresses: Monday/Wednesday/Friday Even addresses: Tuesday/Thursday/Sunday No watering on Saturdays 	<ul style="list-style-type: none"> A maximum of two 5-minute irrigation cycles per zone per watering day (10 minutes max per zone). 	<p>Only in the morning and evening</p> <ul style="list-style-type: none"> May-Oct: midnight to 9 a.m. and/or 8 p.m. to midnight Nov-April: midnight to 10 a.m. and/or 6 p.m. to midnight

EXEMPTIONS & ALLOWANCES

There are a few exemptions that protect our landscape investments. Watering day and time limits do not apply to:

- Landscape irrigation zones that use drip irrigation.
- Landscape irrigation zones that use high efficiency sprinkler nozzles with low precipitation rates (equal to or less than 1 inch per hour).
- The hand watering of established trees as well as fruits and vegetables for human consumption.

Additionally, you can hand-water brown spots using a hose with an automatic shutoff nozzle. This smart practice is more efficient than increasing how much you run your sprinklers.

WHAT IS AN IRRIGATION ZONE?

An irrigation zone is a separate area within an irrigation system that is controlled by a unique valve. An irrigation system can have multiple zones which are generally connected to a specific plant type with a unique watering requirement.

WHAT IS AN IRRIGATION CYCLE?

An irrigation cycle breaks your total watering time into increments, which gives the soil time to soak up water.

By watering for short periods of time with breaks in between, the ground has time to absorb water from the previous cycle. In subsequent cycles of watering, the moistened soil allows water to travel even deeper, creating a healthier lawn.

Did you know? In the SCV, much of our soil is clay, which means there is typically runoff after 4 to 5 minutes when using traditional spray nozzles, but 30-40 minutes when using high-efficiency nozzles with a precipitation rate less than 1 inch per hour.

HOW TO DETERMINE THE NUMBER OF IRRIGATION ZONES YOU HAVE:

Turn on each station on your irrigation controller, one at a time. Each station is a zone.

For maximum irrigation efficiency, make sure the irrigation type matches the plant material within the zone. Typically, **sprinklers** are used for grass; **drip** is used for shrubs; and **bubblers** are used for trees.


Recommended smart practice:

Make sure each zone has these three key components - a control valve, a pressure regulator, and correct calibration with a smart irrigation controller.



Stage 2 Drought Bulletin

REDUCE WATER USE BY 20%



Attention Valued SCV Water Customer,

DROUGHT CONDITIONS PERSIST IN CALIFORNIA WITH NO END IN SIGHT! Snowfall, precipitation, and reservoir levels are below average, and the State Water Project water allocation was lowered to 5% of contract for the second year in a row. In response, Governor Newsom has declared a statewide Drought Emergency and has asked all Californians to reduce water use.

SCV WATER HAS SUPPLIES TO MEET DEMANDS, BUT NOT A DROP TO WASTE! While SCV Water has prepared for consecutive dry years by banking unused supplies during wet years, we are now accessing our critical dry year supplies to meet customer demands. Every gallon we conserve today is a gallon that we can put to beneficial use tomorrow.

WATER WASTE IS PROHIBITED AND IRRIGATION WATERING RESTRICTIONS ARE NOW IN EFFECT. To encourage water conservation and to help stretch our banked supplies, on April 26, 2022 the SCV Water Board of Directors enacted Stage 2 of our Water Shortage Contingency Plan ([yourSCVwater.com/wscp](https://www.scvwater.com/wscp)) and Water Conservation and Water Supply Shortage Ordinance (bit.ly/SCVwaterShortageOrdinance).

PROHIBITED MEASURES

- Water running off property (onto sidewalks, roads, parking lots, etc.)
- Washing vehicles with a hose not equipped with a shut-off nozzle
- Using potable water to wash down driveways and sidewalks
- Using outdoor irrigation during and 48 hours following measurable rain
- Using potable water in a fountain or other water feature without a recirculation pump

WATERING RESTRICTIONS

- Water landscapes no more than 3 times per week (see designated watering days below)
- Water landscapes only between 8 p.m. and 9 a.m. (May through October) for no more than 5 minutes per irrigation zone and/or no more than 10 minutes total on designated watering days

VIOLATIONS & PENALTIES

SCV Water's conservation goals focus on education and engagement. We encourage customers to take immediate action to eliminate water waste and to reduce irrigation use to avoid penalties.

Violations of any of the prohibited actions could constitute a fine of up to a maximum of \$500 per day, per violation. The first violation is a warning. Future violations may initiate additional notices and fines.

YOUR GO TO RESOURCE FOR ALL THINGS DROUGHT
Visit DroughtReadySCV.com to find water saving-resources, rebates and tips for your business and home.

WATERING DAYS

OUTDOOR WATERING IS LIMITED TO NO MORE THAN 3 TIMES PER WEEK.

ODD ADDRESSES	EVEN ADDRESSES
Monday Wednesday Friday	Tuesday Thursday Sunday

- No customer may water their landscape on Saturdays
- Irrigation Run Times are two 5-minute cycles per zone (10 minutes max per day)
- Time of Day to Irrigate
- Nov-Apr → 6 p.m. to 10 a.m.
- May-Oct → 8 p.m. to 9 a.m.
- Visit DroughtReadySCV.com

Non-Functional Turf Emergency Watering Ban

Turn It Off, Cap It, or Convert It.



YOUR URGENT ATTENTION AND ACTION IS REQUIRED. THE STATE BAN ON WATERING NON-FUNCTIONAL TURF WITH POTABLE WATER LIKELY AFFECTS YOUR PROPERTY.



In response to severe drought conditions in California and below average rainfall and reservoir levels, the State Water Resources Board has issued a statewide ban on the watering of non-functional turf with potable water. This ban will stretch water supplies to protect the health and safety of all residents. **Landscaping is one of the biggest uses of water and we're counting on you to do your part to save and conserve the Santa Clarita Valley's precious water supplies!**

BAN ON WATERING NON-FUNCTIONAL TURF

The drought prompted the State Water Resources Control Board to issue a statewide ban on the watering of non-functional turf with potable water (<https://bit.ly/SWRBCconservationFAQs>).

Who does the ban apply to? SCV Water customers subject to this ban include Commercial, Industrial, and Institutional (CII) customers including the common areas of Homeowners Associations as well as Common Interest Developments.

What is Non-functional Turf (NFT)? NFT is mowed grass that is ornamental and not otherwise used for human recreation purposes. It also applies to non-functional turf maintained by homeowner associations.

NFT does not apply to residential properties, school fields, sports fields, and areas regularly used for civic or community events.

How long is the ban? The ban, effective June 16, 2022, is in place for one year, unless extended.

Are there exceptions? Exemptions include areas needed to water trees, shrubs, perennials, and native/drought-tolerant grasses.

ENFORCEMENT AND PENALTIES

While the State Water Resources Control Board emergency order gives SCV Water the authority to enforce the ban and levy \$500-a-day fines for non-compliance; at this time, we are prioritizing education, engagement, and program support.

Over the past several decades when severe droughts have occurred in California, Santa Clarita Valley property owners and residents have answered the call to reduce water use. We are counting on the same positive effort this time and fully appreciate and recognize the community's drought response and water conservation efforts.

The State Water Resources Control Board has banned watering non-functional turf with potable water. This affects SCV Water's commercial, industrial and institutional customers.





SCV WATER DEMAND PERFORMANCE

DROUGHT RESPONSE CONSERVATION TARGETS

SCV WATER DEMAND PERFORMANCE

DEMAND/CONSUMPTION PERFORMANCE

1. Local Weather Conditions
2. Drought Conservation Target (15% v. 2020)
3. Statewide and Regional Drought
Performance Comparison (SWRCB Monthly
Reports)

LOCAL WEATHER STATISTICS – SEPT. 2022

LOCAL ET & PRECIPITATION

*CIMIS 204



Evapotranspiration (2022 v. 2020)

- Current Month → -8.4%
- Year to Date → +8.6%



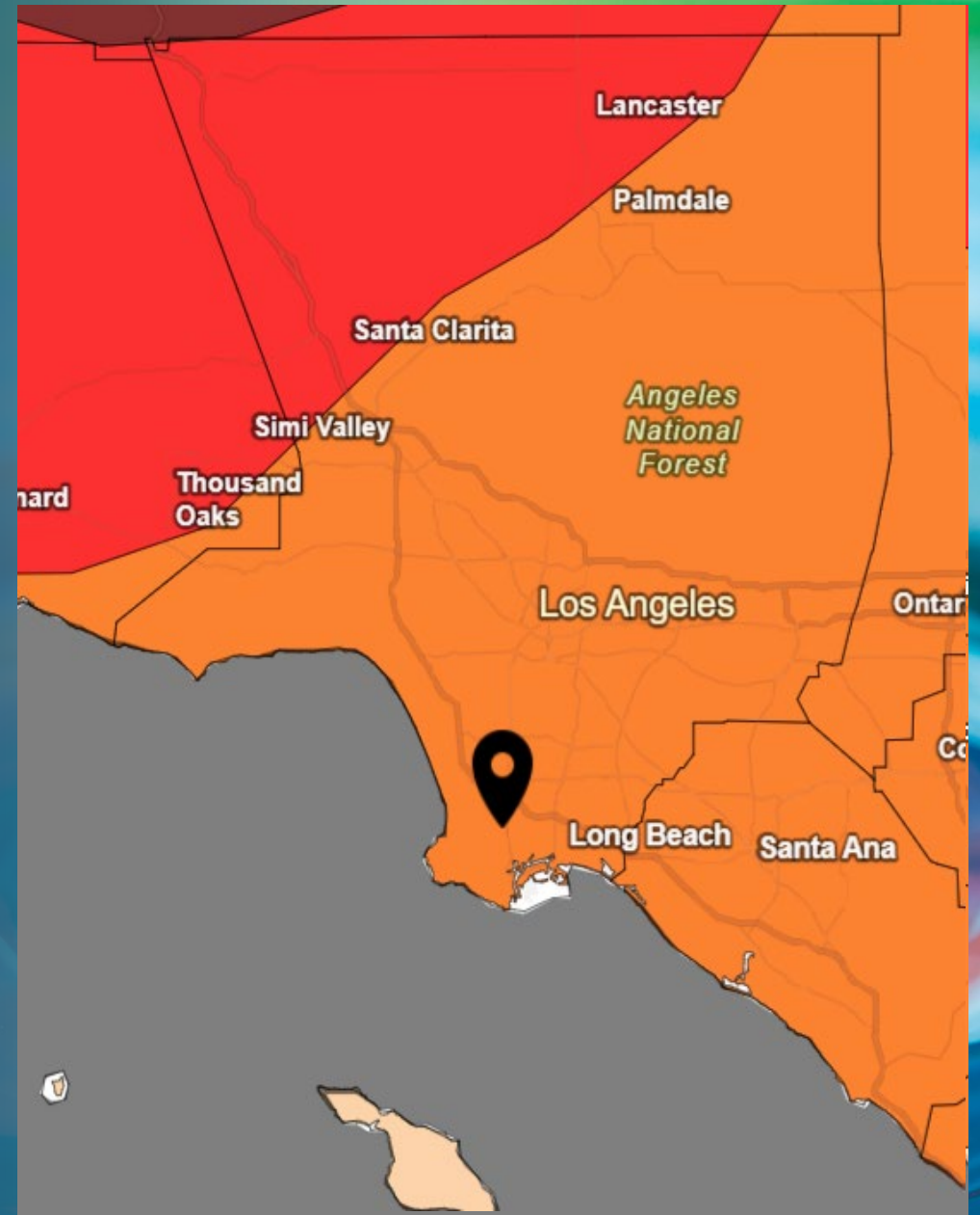
Precipitation (2022 v. 2020)

- Current Month → 0.00"
- Calendar Year to Date → -72.4%
- Water Year to Date → -12 %



Temperatures (Avg. Max Air Temp)

- 2022 → 93.4
- 2020 → 95.5

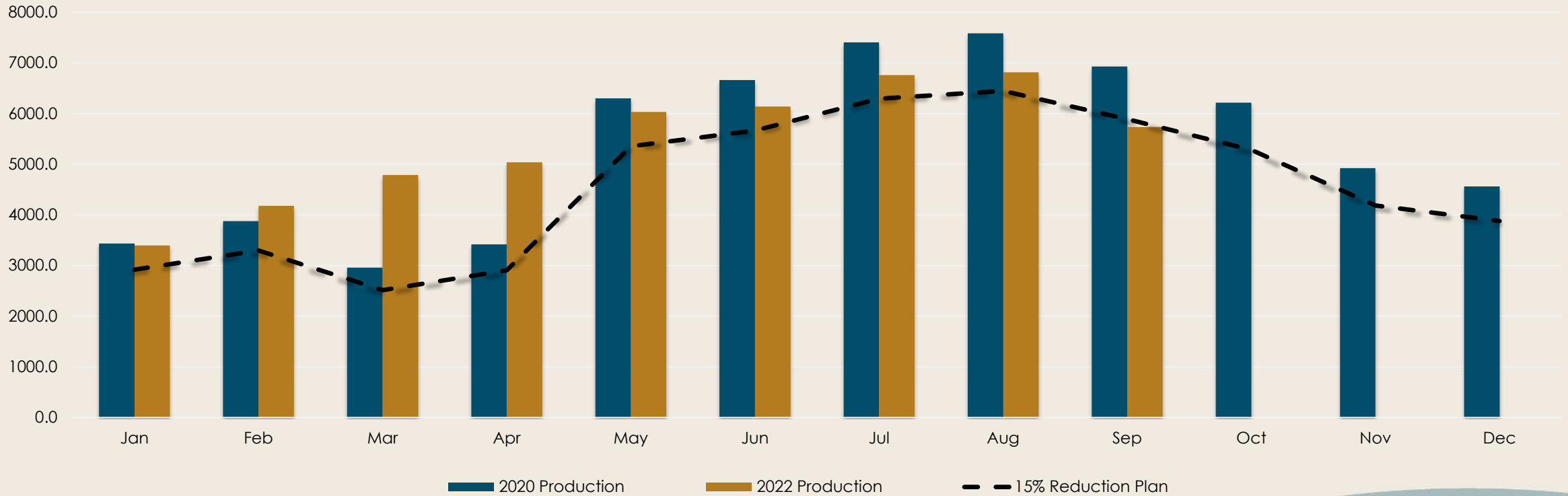


Source: [Drought.gov/states/California/county/los%20angeles](https://drought.gov/states/california/county/los%20angeles)

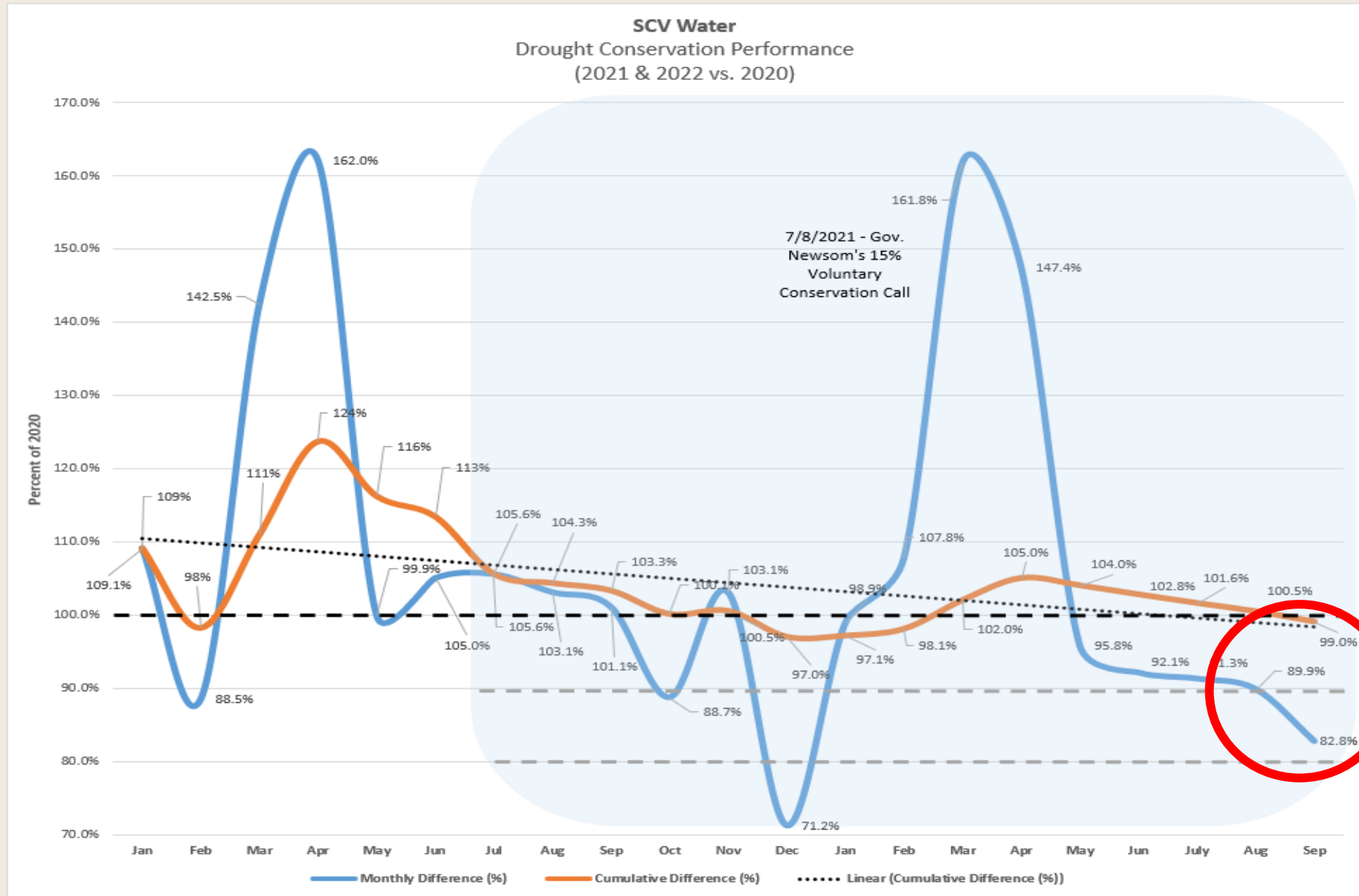
DROUGHT CONSERVATION TARGET

VOLUNTARY DROUGHT CONSERVATION TARGET (15% V. 2020)

SCV Water
Monthly Production vs. 15% Reduction Plan (Ac-ft)



DROUGHT CONSERVATION TARGET



DROUGHT CONSERVATION TARGET

SCV Water (Monthly Progress)

Progress Towards 15% Savings

Region Type: Hydrologic Region | Select months: (Multiple values)

Region	Jun 2022	Jul 2022	Aug 2022	Cumulative
Central Coast	-5.4%	-6.7%	-7.2%	-2.9%
Colorado River	-5.9%	-5.8%	-3.9%	0.4%
North Coast	-10.9%	-28.5%	-12.0%	-14.5%
North Lahontan	-14.0%	-7.9%	-16.5%	-9.5%
Sacramento River	-10.0%	-12.4%	-12.4%	-6.7%
San Francisco Bay	-12.6%	-17.4%	-15.3%	-10.3%
San Joaquin River	-5.6%	-8.8%	-7.1%	-3.5%
South Coast	-5.9%	-8.7%	-9.7%	-2.0%
South Lahontan	-10.2%	-16.1%	-18.0%	-5.1%
Tulare Lake	-5.0%	-7.1%	-7.3%	-2.4%
Statewide	-7.4%	-10.5%	-10.5%	-4.0%

Month	Diff. (%)	Cum. (%)
Jul.	+5.6%	+5.6%
Aug.	+3.1%	+4.1%
Sep.	+1.1%	+3.3%
Oct.	-11.3%	+0.1%
Nov.	+3.1%	+0.5%
Dec.	-29.0%	-3.0%
Jan.	-1.1%	-2.9%
Feb.	+7.8%	-1.9%
Mar.	+61.8%	+2.0%
Apr.	+47.4%	+5.0%
May	-4.2%	+4.0%
Jun.	-7.9%	+2.8%
Jul.	-8.7%	+1.6%
Aug.	-10.1%	+0.5%
Sep.	-17.2%	-1.0%

Source: State Water Resources Control Board (10/10/2022)





ACTIONS & NEXT STEPS

ON THE RADAR

ACTIONS & NEXT STEPS

- OCTOBER – CONT. NON-FUNCTIONAL TURF BAN OUTREACH
- OCTOBER – DROUGHT READY VIDEOS
- SEPTEMBER/OCTOBER – SCV COMMUNITY CONSERVATION IN ACTION
- FALL – LAWN REPLACEMENT PROGRAM PRIORITIES
- CONTINUED PERFORMANCE MONITORING & ADAPTIVE MANAGEMENT



DROUGHT REVIEW - SUMMARY

- DROUGHT CONDITIONS PERSIST
- THIRD YEAR LA NINA FORECASTED
- STATEWIDE DROUGHT EMERGENCY IN EFFECT
- STATE WATER RESOURCES BOARD EMERGENCY REGULATIONS IN EFFECT
- STATE WATER PROJECT WATER ALLOCATION @ 5% (2ND CONSECUTIVE YEAR)
- CONTINUED USE OF CRITICAL DRY YEAR SUPPLIES
- SCV WATER STAGE 2 WATER SHORTAGE CONTINGENCY PLAN & ORDINANCE IN EFFECT
- WITHOUT CONSERVATION, STORAGE & BANKING RECOVERY PROLONGED
- CURRENT MONTHLY CONSERVATION PERFORMANCE ON TRACK, CUMULATIVE SAVINGS TRENDING DOWN





Q&A

SCV WATER DROUGHT RESPONSE AND DEMAND PERFORMANCE