

# ABOUT THE DROUGHT

STATUS OF DROUGHT RESPONSE AND PERFORMANCE

MATTHEW DICKENS, MPA  
SUSTAINABILITY MANAGER



Water Resources and Watershed Committee  
August 10, 2022  
Item No. 5.2

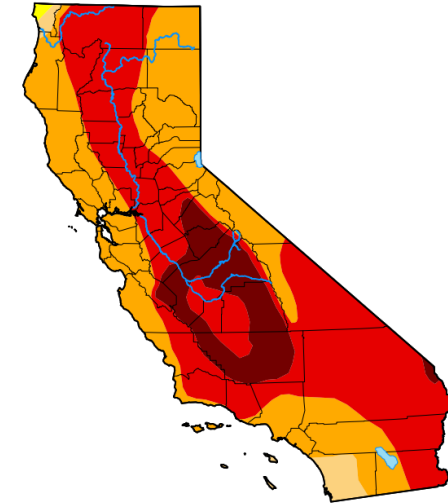
# PRESENTATION OVERVIEW

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



## U.S. Drought Monitor California

August 2, 2022  
(Released Thursday, Aug. 4, 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	99.78	97.47	59.81	12.12
Last Week 07-26-2022	0.00	100.00	99.78	97.47	59.81	12.74
3 Months Ago 05-03-2022	0.00	100.00	100.00	95.18	40.51	0.00
Start of Calendar Year 01-04-2022	0.00	100.00	99.30	67.62	16.60	0.84
Start of Water Year 09-30-2021	0.00	100.00	100.00	93.93	87.88	45.66
One Year Ago 08-03-2021	0.00	100.00	100.00	95.07	88.37	46.45

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>

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National Drought Mitigation Center



[droughtmonitor.unl.edu](https://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 (FY 21/22)

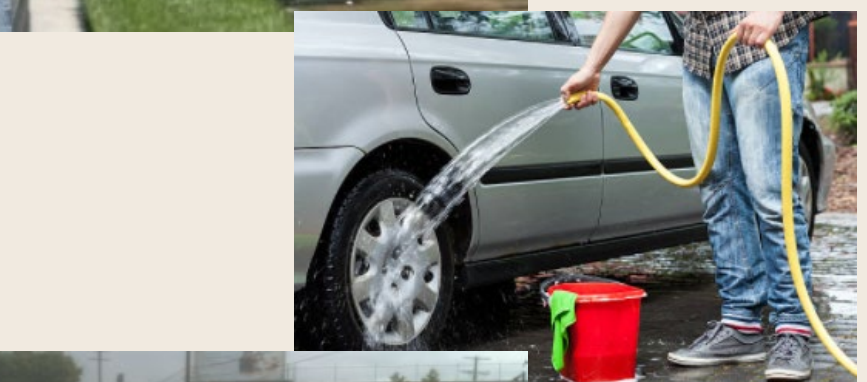


Program	Residential	Commercial	Landscape
Check-Ups	676	30	19/737 Zones
Lawn Replacement Rebates	14/8,8975 SF	1/2,208 SF	4/14,871
Drip Irrigation Rebates	11/5,771 SF	1/2,208 SF	0
HE Rebates	32 (N = 797, MPR = 2, PRB = 331)	3 (UHET = 470, HET 4, U = 1)	0
Smart Controllers	231/1,310 Zones	1/32 Zones	2/530 Zones
Online Workshops	308	NA	NA
Engagement	25,758	113	61

# 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



# NON-FUNCTIONAL TURF COMMUNICATION & ENGAGEMENT OVERVIEW

**SCV Water's Non-Functional Turf Communication and Engagement Strategy** – SCV Water's Non-Functional Turf (NFT) communication and engagement effort prioritizes education, awareness, and programmatic support of the State Water Resources Control Board's immediate ban on irrigation of non-functional turf with potable water.

The State Water Resources Control Board expects water suppliers and local governments to communicate the NFT ban, which applies to Commercial, Industrial, and Institutional customers and Homeowners Associations and Common Interest Developments. Under the state order, SCV Water retains the option to implement enforcement of the ban should public compliance and drought conservation performance merit such escalation.

# NFT COMMUNICATION & ENGAGEMENT OVERVIEW

**State Water Resources Control Board Resolution NO. 2022-2018 (Effective June 16, 2022) Bans the Irrigation of Non-Functional Turf with potable water:** – 1) To prevent the unreasonable use of water and to promote water conservation, the use of potable water is prohibited for the irrigation of non-functional turf at commercial, industrial, and institutional sites. (2) Notwithstanding subdivision (e)(1), the use of water is not prohibited by this section to the extent necessary to ensure the health of trees and other perennial non-turf plantings or to the extent necessary to address an immediate health and safety need. (3) Notwithstanding subdivision (e)(1), an urban water supplier may approve a request for continued irrigation of non-functional turf where the user certifies that the turf is a low water use plant with a plant factor of 0.3 or less, and demonstrates the actual use is less than 40% of reference evapotranspiration.

# NFT COMMUNICATION & ENGAGEMENT OVERVIEW

**Non-Functional Turf** – Non-functional turf is ground cover surface of mowed grass that is ornamental and not otherwise used for human recreation purposes.

Non-functional turf does not include school fields, sports fields, and areas regularly used for civic or community events (Source: State Water Resources Control Board, June 6, 2022, Fact Sheet – Second Water Conservation Emergency Regulation of 2022).



# NFT COMMUNICATION & ENGAGEMENT OVERVIEW (CONTINUED)

**Impacted Customer Classes** – Commercial, Industrial, Institutional customers and Homeowners Associations and Common Interest Developments (Source: State Water Resources Control Board Emergency Regulation Resolution NO. 2022-0018)

## **NFT customer communication & smart practice guidance:**

- **Type 1 – “Turn It Off” area** – discontinue/shutoff irrigation zone/valve that irrigates only areas that meet the SWRCB’s definition of non-functional turf and is not mixed with, or irrigates, existing trees, shrubs, or perennials.
- **Type 2 – “Cap It” area** – cap sprinklers that irrigate areas as described below:
  - Type 2A area** – irrigation zone/valve that irrigates both non-functional turf as defined by the SWRCB and trees, shrubs, and perennials, but where the non-functional turf sprinklers can be capped in a manner that **does not impact** the **watering** of the **existing trees, shrubs, or perennials**.
  - Type 2B area** – irrigation zone/valve that irrigates both non-functional turf as defined by the SWRCB and trees, shrubs, and perennials, but where the non-functional turf area is **isolated** from areas containing existing trees, shrubs, or perennials.
- **Type 3 – “Convert It”** – permanently convert non-functional turf areas to drought tolerant, native, or low water-using SCV-friendly plants and/or upgrade irrigation system to include drip and/or high-efficiency nozzles (precipitation rate less than 1”/hr.), pressure regulation, smart controller, and other sustainable landscape features. See SCV water’s lawn replacement program ([conserve.yourscvwater.com](https://www.conserve.yourscvwater.com) or [yourscvwater.dropletprograms.com](https://www.yourscvwater.dropletprograms.com)).



# TYPE 1 - TURN IT OFF! - NON-FUNCTIONAL TURF (EXAMPLES)

**Type 1 - "Turn It Off" area and smart practice description** – discontinue/shutoff irrigation zone/valve that irrigates only areas that meet the SWRCB's definition of non-functional turf and is not mixed with, or irrigates, existing trees, shrubs, or perennials.



Aerial Image



Street View

# TYPE 2A - CAP IT! - NON-FUNCTIONAL TURF (EXAMPLES)

**Type 2 – “Cap It” area and smart practice description** – Cap sprinklers that irrigate areas as described below:

**Type 2A area** – Irrigation Zone/Valve that irrigates both non-functional turf as defined by the SWRCB and trees, shrubs, and perennials, but where the non-functional turf sprinklers can be capped in a manner that does not impact the watering of the existing trees, shrubs, or perennials.



Aerial Image



Street View

# TYPE 2B - CAP IT! - NON-FUNCTIONAL TURF (EXAMPLES)

**Type 2B – “Cap It” area and smart practice description** – Cap sprinklers that irrigate areas as described below:

**Type 2B area** – Irrigation Zone/Valve that irrigates both non-functional turf as defined by the SWRCB and trees, shrubs, and perennials, but where the non-functional turf area is isolated from areas containing existing trees, shrubs, or perennials.



Aerial Image



Street View



# TYPE 3 - CONVERT IT! - NON-FUNCTIONAL TURF (EXAMPLES)

**Type 3 – “Convert It” smart practice description** – Permanently convert non-functional turf areas to drought tolerant, native, or low water using SCV Friendly Plants and/or upgrade irrigation system to include drip and/or high-efficiency nozzles (precipitation rate less than 1”/hr.), pressure regulation, smart controller, and other sustainable landscape features. See SCV Water’s Lawn Replacement Program ([conserve.yourscvwater.com](http://conserve.yourscvwater.com) or [yourscvwater.dropletprograms.com](http://yourscvwater.dropletprograms.com)).



Before



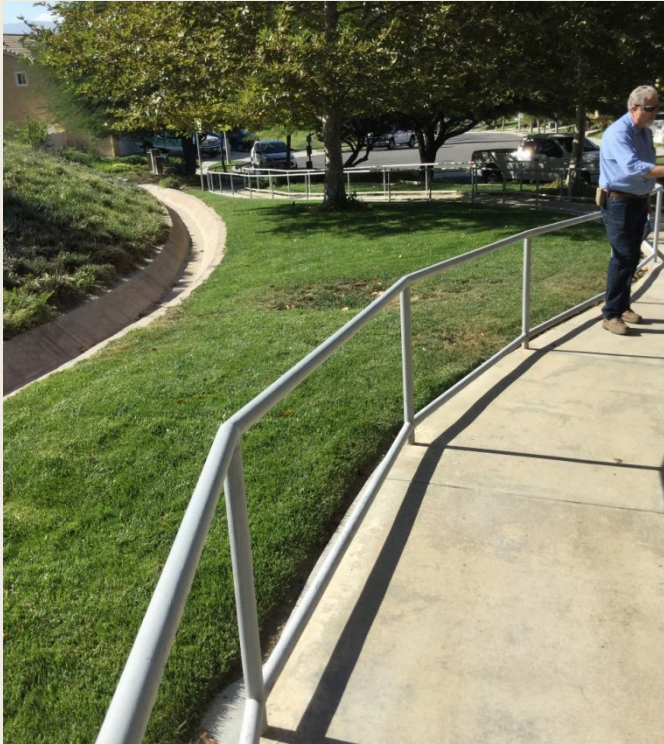
After



After

# TYPE 3 - CONVERT IT! - NON-FUNCTIONAL TURF (EXAMPLES)

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Before



After



After



# SCV WATER DEMAND PERFORMANCE

**NORMAL CONSERVATION & DROUGHT RESPONSE  
TARGETS**

# SCV WATER DEMAND PERFORMANCE

## DEMAND/CONSUMPTION PERFORMANCE

1. Local Weather Conditions
2. Normal Conservation Target Performance  
(24% GPCD Reduction by 2022)
3. Drought Conservation Target (15% v. 2020)
4. Statewide and Regional Drought  
Performance (SWRCB Monthly Reports)

# LOCAL WEATHER STATISTICS – JULY 2022

## LOCAL ET & PRECIPITATION

\*CIMIS 204



### Evapotranspiration (2022 v. 2020)

- Current Month → -3.4%
- Year to Date → +13.3%



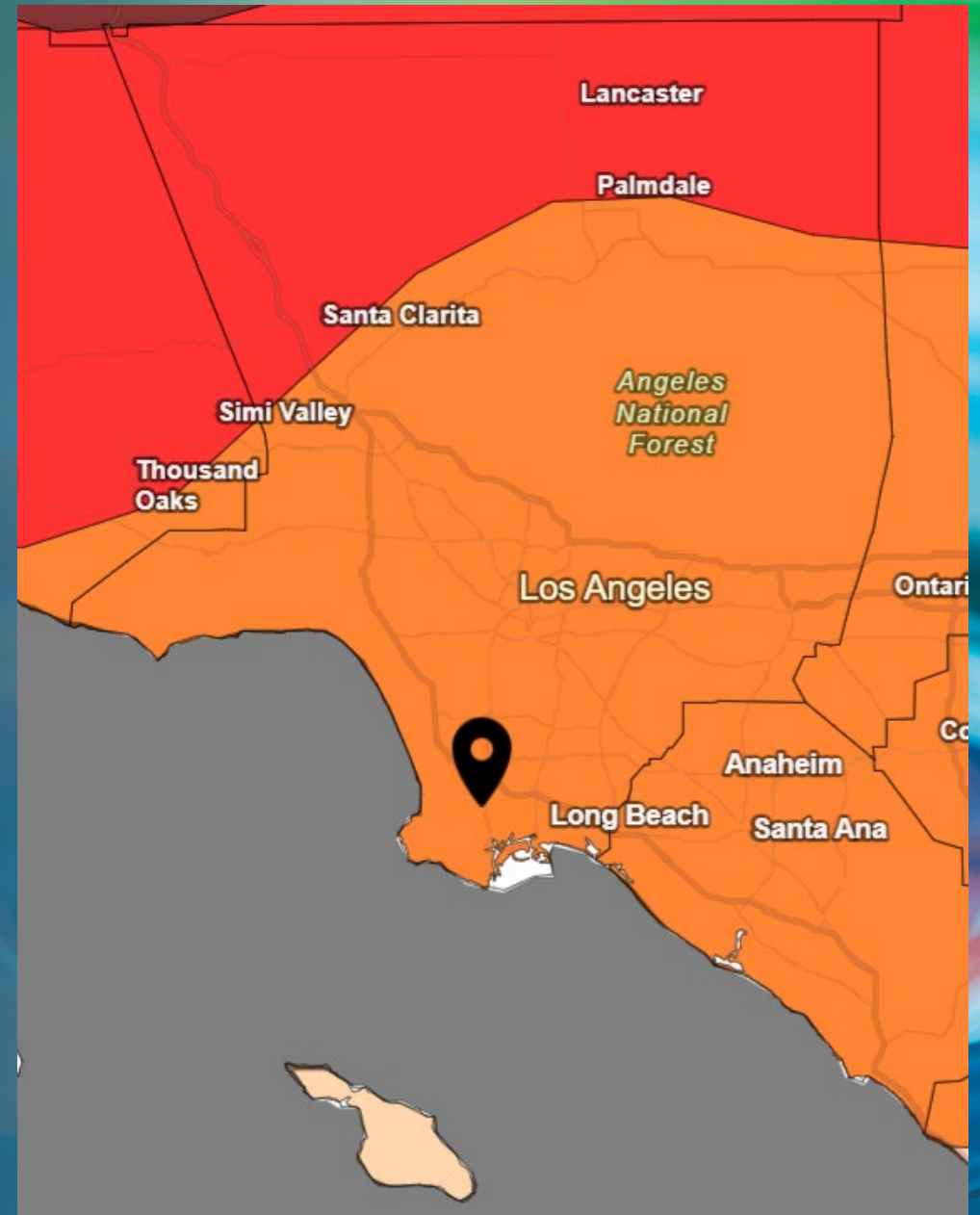
### Precipitation (2022 v. 2020)

- Current Month → 0.00"
- Calendar Year to Date → -77.8%
- Water Year to Date → -12%



### Temperatures (Avg. Max Air Temp)

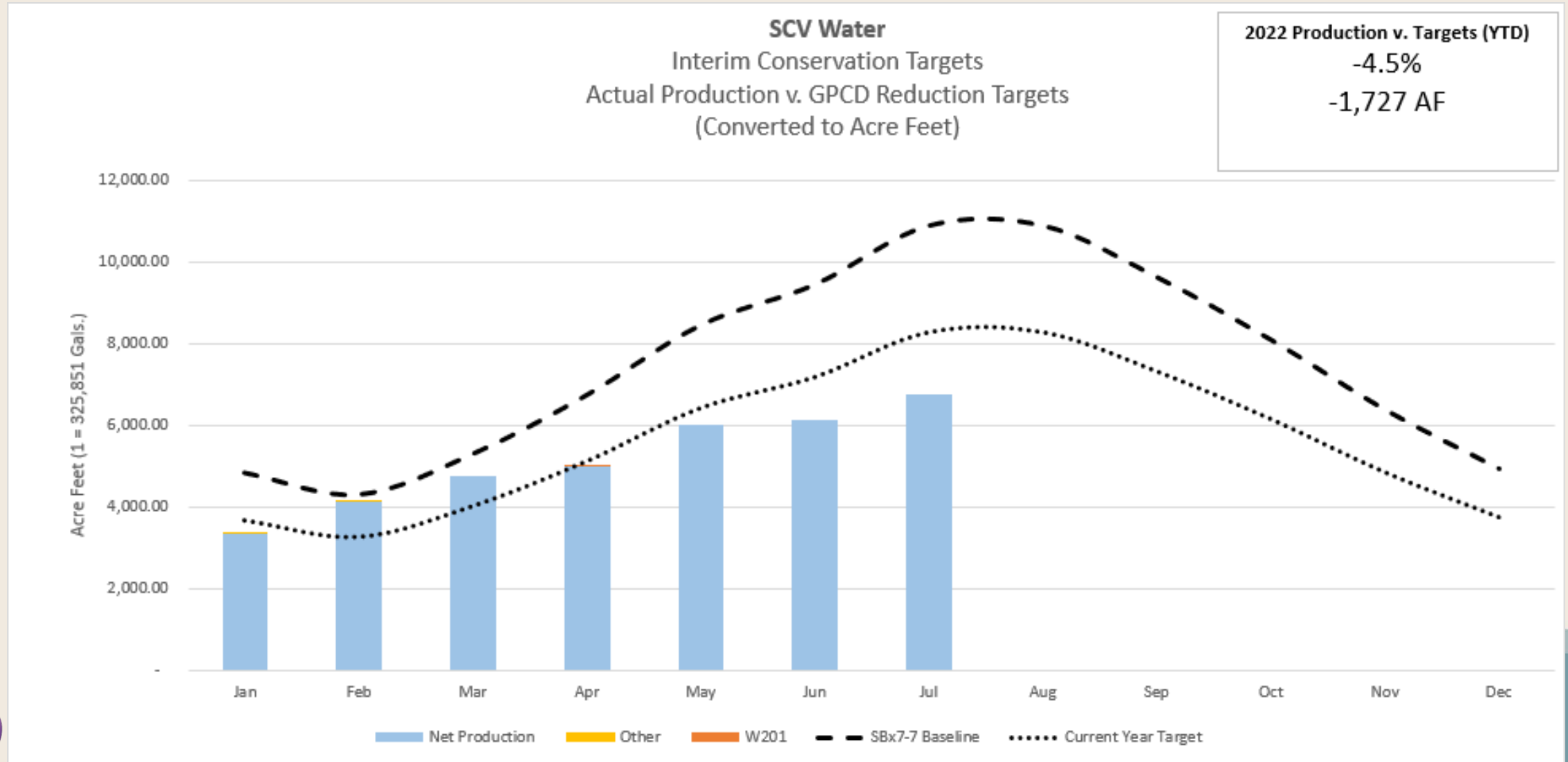
- 2022 → 94.7
- 2020 → 92.6



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

# INTERIM CONSERVATION TARGET – PERFORMANCE

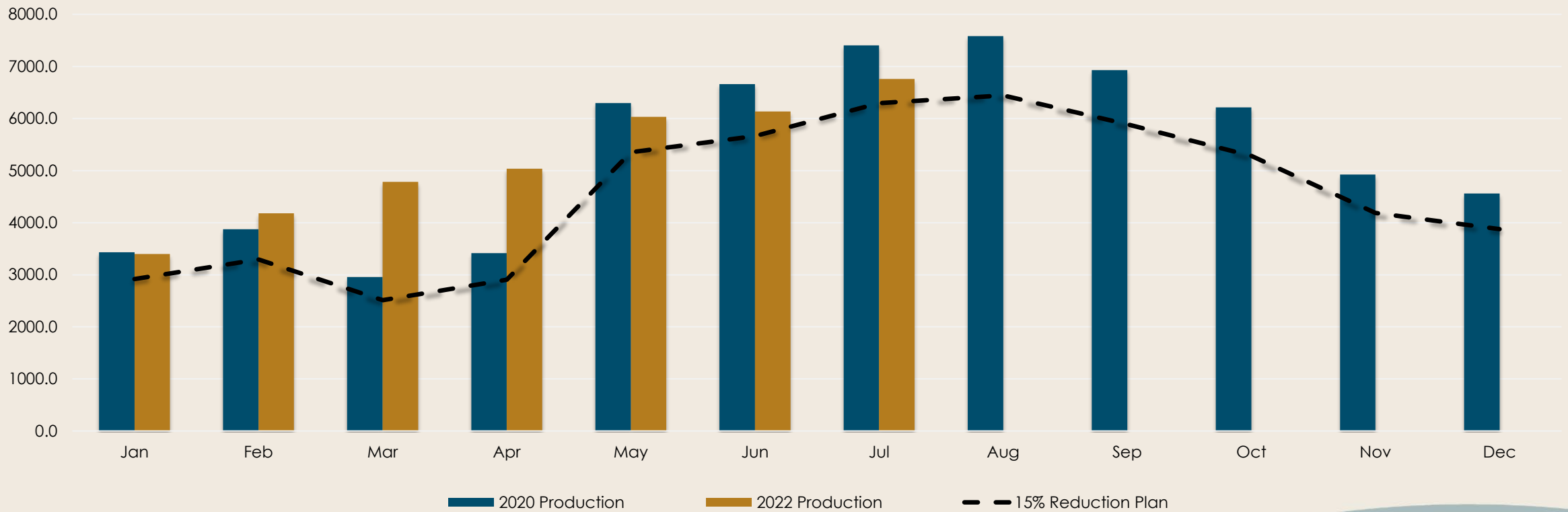
## INTERIM WATER CONSERVATION TARGET (24% GPCD REDUCTION BY 2022)



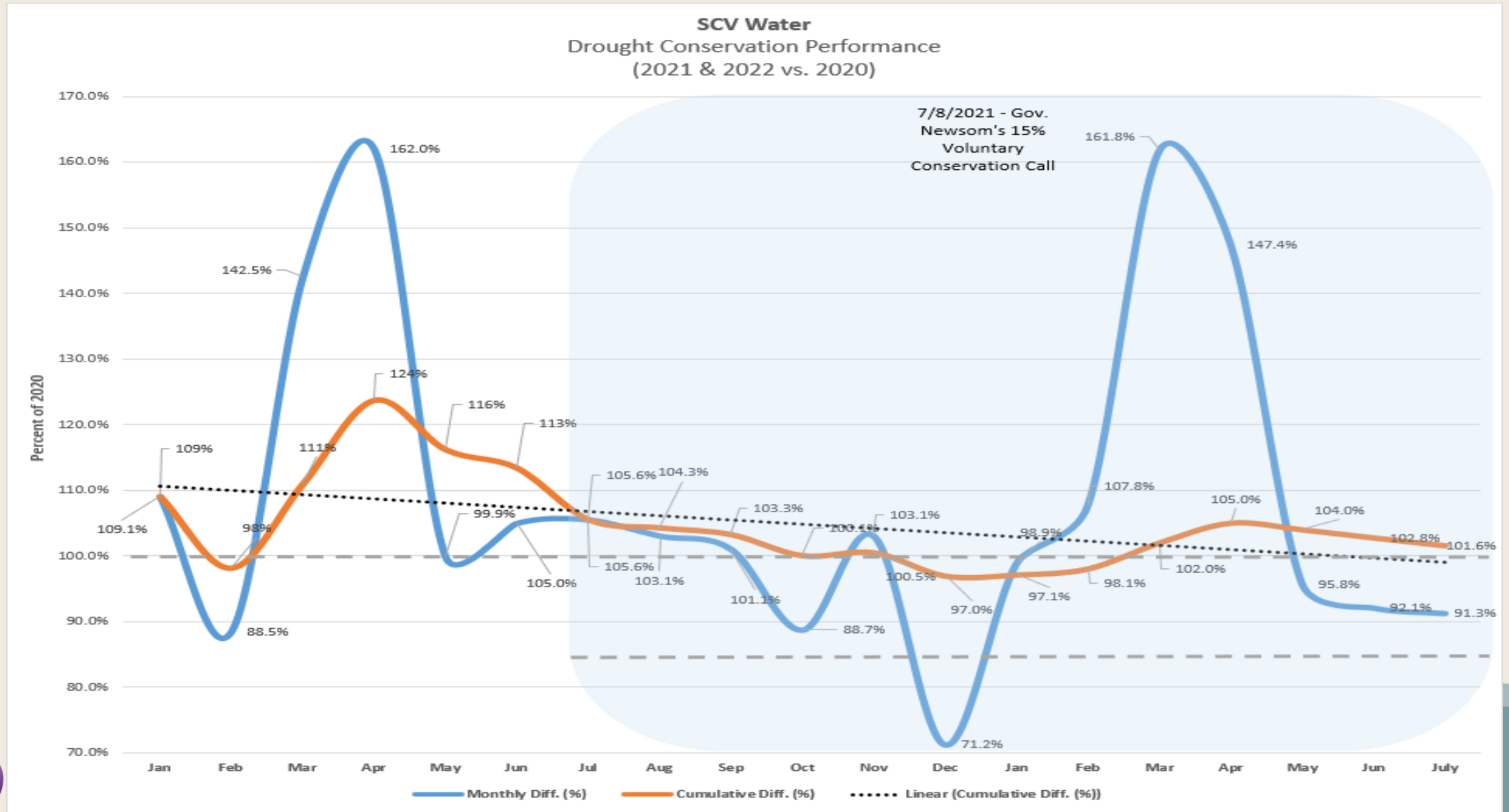
# DROUGHT CONSERVATION TARGET

## 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	April	May	June	Cumulative
Central Coast	19.2%	-1.9%	-5.5%	-2.0%
Colorado River	39.1%	-2.5%	-6.5%	1.6%
North Coast	-14.9%	-3.5%	-10.3%	-13.2%
North Lahontan	-11.2%	-18.6%	-9.1%	-10.4%
Sacramento River	3.1%	-3.3%	-10.0%	-5.6%
San Francisco Bay	-0.2%	-8.0%	-12.6%	-8.9%
San Joaquin River	9.1%	-4.2%	-10.1%	-2.9%
<b>South Coast</b>	<b>26.1%</b>	<b>-2.1%</b>	<b>-5.9%</b>	<b>-0.7%</b>
South Lahontan	24.6%	-11.2%	-10.2%	-2.3%
Tulare Lake	19.3%	-1.3%	-4.7%	-1.4%
Statewide	17.8%	-3.5%	-7.7%	-2.7%

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%
<b>Jun.</b>	<b>-7.9%</b>	<b>+2.8%</b>
Jul.	-8.7%	+1.6%

Source: State Water Resources Control Board (8/8/2022)





# ACTIONS & NEXT STEPS

ON THE RADAR

# ACTIONS & NEXT STEPS

- **AUGUST/SEPTEMBER– NON-FUNCTIONAL TURF OUTREACH**
- **AUGUST/SEPTEMBER– DROUGHT READY VIDEOS**
- **AUGUST/SEPTEMBER – SCV COMMUNITY CONSERVATION IN ACTION**
- **AUGUST THRU OCTOBER – LAWN REPLACEMENT PROGRAM MARKETING PUSH**
- **CONTINUED PERFORMANCE MONITORING & ADAPTIVE MANAGEMENT**





# Q&A

## SCV WATER DROUGHT RESPONSE AND DEMAND PERFORMANCE