

ABOUT THE DROUGHT

STATUS OF DROUGHT RESPONSE AND PERFORMANCE

MATTHEW DICKENS, MPA
SUSTAINABILITY MANAGER



Water Resources and Watershed Committee
July 13, 2022
Item No. 5.1

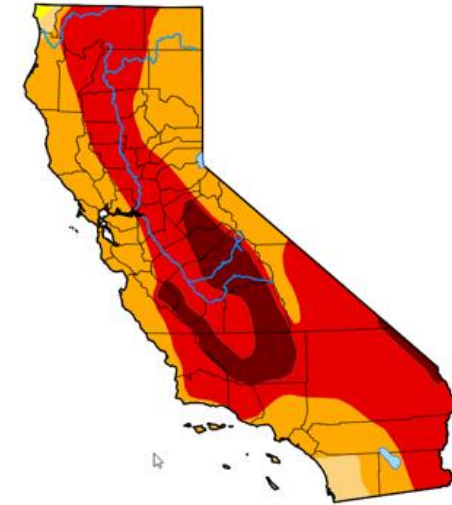
PRESENTATION OVERVIEW

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



U.S. Drought Monitor California

July 5, 2022
(Released Thursday, Jul. 7, 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	99.80	97.48	59.81	11.59
Last Week 06-29-2022	0.00	100.00	99.79	97.48	59.81	11.59
3 Months Ago 04-05-2022	0.00	100.00	100.00	93.65	40.67	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 09-28-2021	0.00	100.00	100.00	93.93	87.88	45.66
One Year Ago 07-06-2021	0.00	100.00	100.00	94.73	85.44	33.32

Intensity:

- None
- 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. 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**



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



SWRCB EMERGENCY REGULATIONS – NON-FUNCTIONAL TURF BAN



SWRCB 2022-0018 Bans the Watering of Non-functional turf with potable water:

- **Customer Impact:** Commercial, Industrial, and Institutional customers including Homeowners Associations and Common Interest Developments
- **Non-Functional Turf Definition:** mowed grass that is ornamental and not otherwise used for human recreation purposes. NFT does not include school fields, sports fields, and areas regularly used for civic or community events
- **Exemption:** Areas needed to water Trees, Perennials, and Native/Drought tolerant grasses (.3 Kc or demonstrated use less than 40% of local evapotranspiration)



SWRCB EMERGENCY REGULATIONS – NON-FUNCTIONAL TURF BAN (CONTINUED)



SWRCB 2022-0018 Bans the Watering of Non-functional turf with potable water:



- **Enforcement:** Enables agencies with enforcement authority (SCV Water, City, LA County) including the State Water Board to enforce the NFT ban:
 - SCV Water evaluating current enforcement role
 - Agency prioritizing education, engagement, and programmatic support
 - Turn it off, cap it, or convert it!
- **Duration:** Effective June 16, 2022, for 1 year period (may be extended)
- **SCV Water Recommendation:** Customers should turn off irrigation to NFT areas immediately and prepare landscape modifications in Spring/Fall when weather is cooler. Prioritize trees and perennials. Consider SCV Water’s Drip Irrigation & Lawn Replacement Program



**DROUGHT
READY
SCV**



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

LOCAL ET & PRECIPITATION

*CIMIS 204



Evapotranspiration (2022 v. 2020)

- Current Month → +15.7%
- Year to Date → +18.1%



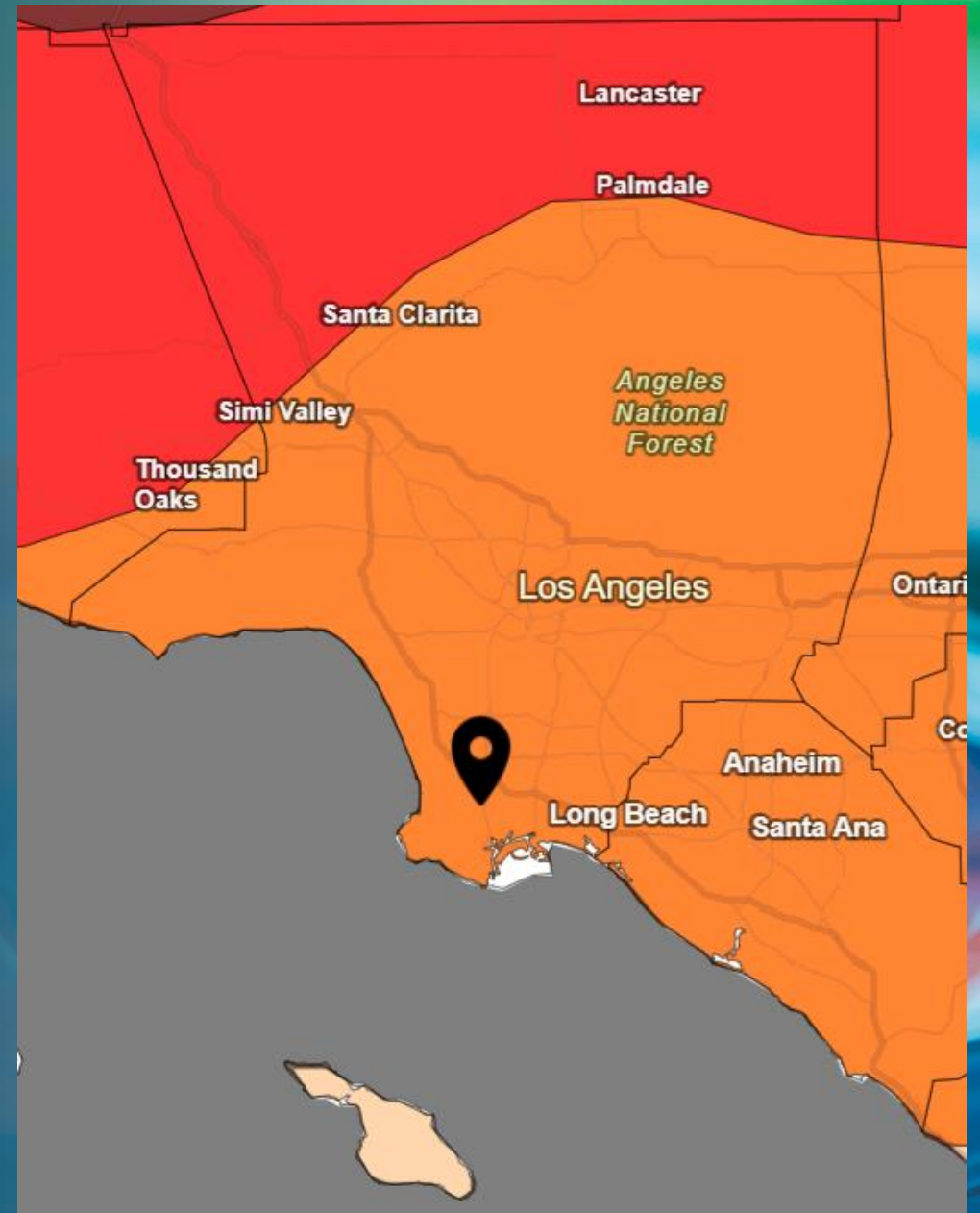
Precipitation (2022 v. 2020)

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



Temperatures (Avg. Max Air Temp)

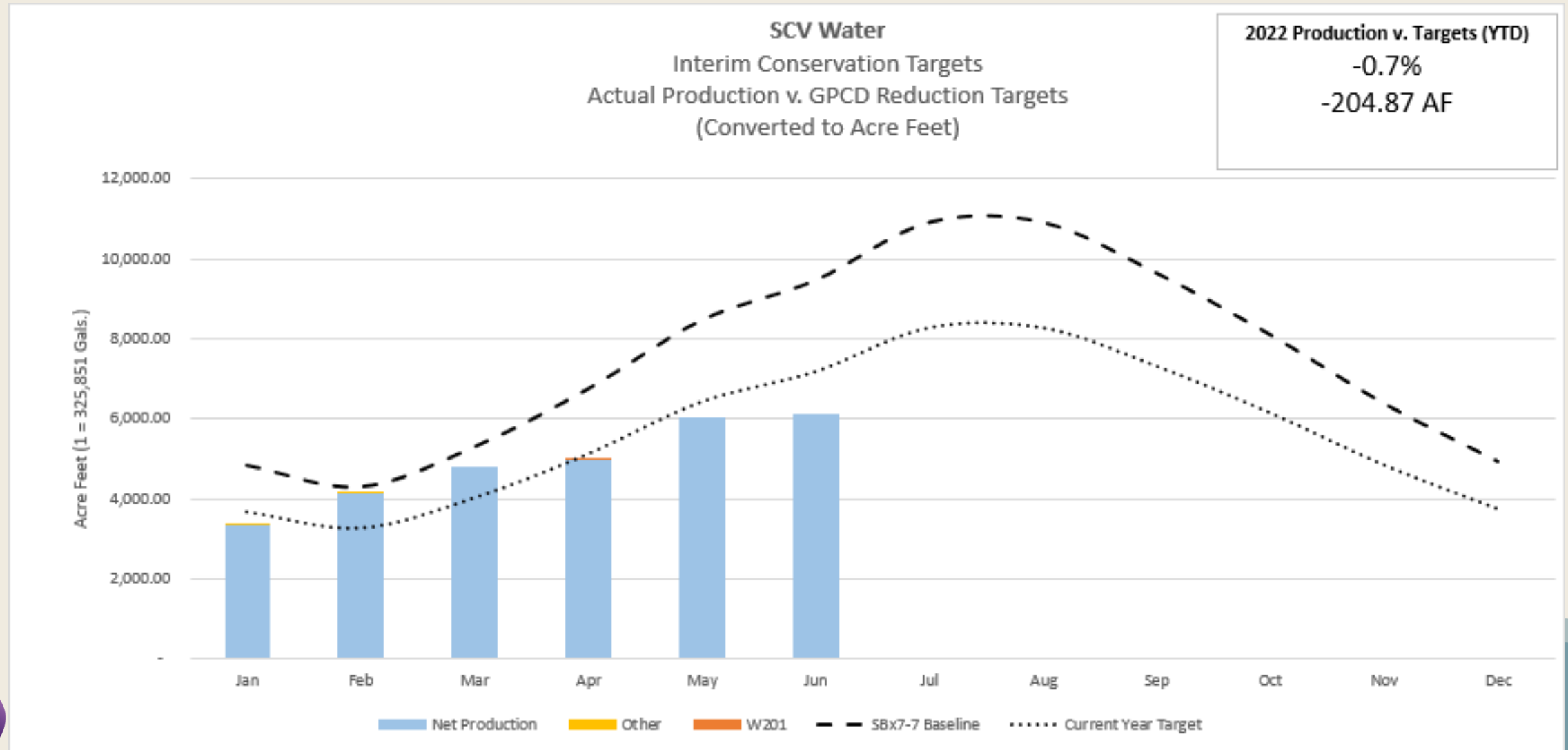
- June 2022 → 92.9
- June 2020 → 85.2



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

INTERIM CONSERVATION TARGET – PERFORMANCE

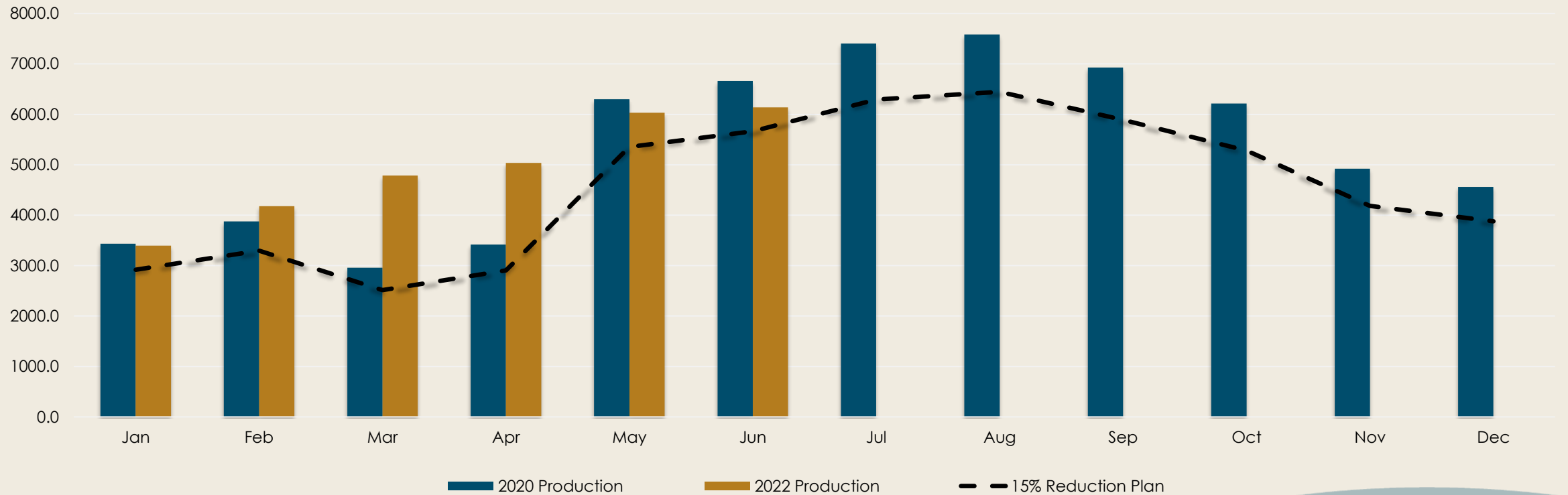
INTERIM WATER CONSERVATION TARGET (24% GPCD REDUCTION BY 2022)



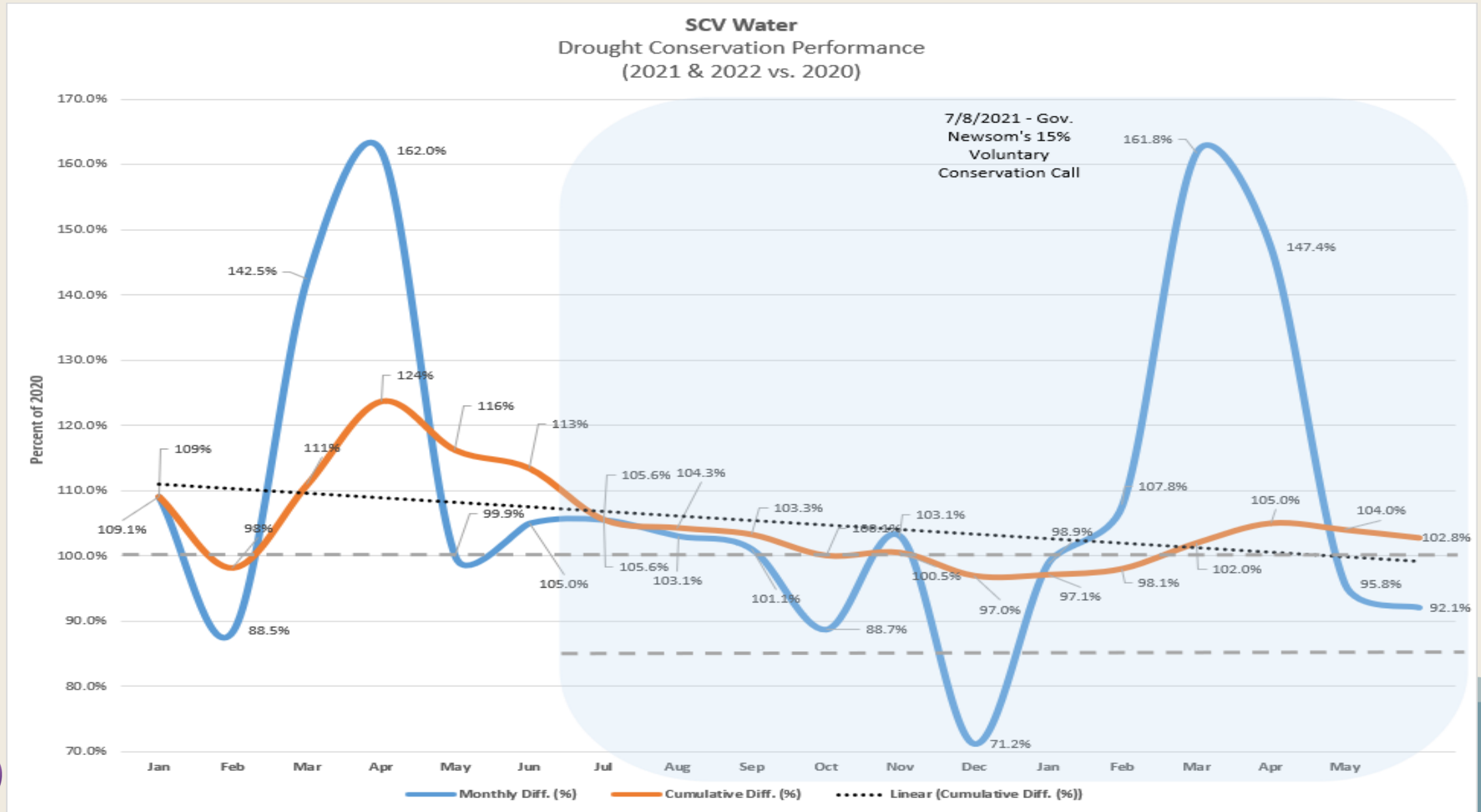
DROUGHT CONSERVATION TARGET

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	March	April	May	Cumulative
North Lahontan	0.7%	-11.2%	-18.6%	-8.9%
South Lahontan	23.4%	24.6%	-11.2%	-1.4%
San Francisco Bay	2.6%	0.1%	-8.5%	-8.4%
San Joaquin River	13.9%	9.1%	-4.5%	-2.2%
North Coast	-3.9%	-14.9%	-3.5%	-13.4%
Sacramento River	14.6%	3.1%	-2.4%	-4.5%
South Coast	26.5%	25.8%	-2.2%	0.0%
Central Coast	20.3%	19.6%	-2.2%	-1.7%
Tulare Lake	6.9%	19.3%	-0.5%	-1.1%
Colorado River	25.6%	40.4%	8.9%	4.6%
Statewide	18.6%	17.6%	-3.1%	-2.0%

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%

Source: State Water Resources Control Board (7/10/2022)





ACTIONS & NEXT STEPS

ON THE RADAR

ACTIONS & NEXT STEPS

- JULY – 100 TOP SCV FRIENDLY PLANT GUIDE
- JULY/AUGUST – NON-FUNCTIONAL TURF OUTREACH
- JULY/AUGUST – DROUGHT READY VIDEOS
- AUGUST/SEPTEMBER – SCV COMMUNITY CONSERVATION IN ACTION
- AUGUST THRU OCTOBER – LAWN REPLACEMENT PROGRAM MARKETING PUSH
- FALL/SPRING – N&R PUBLICATIONS PROJECT
- CONTINUED PERFORMANCE MONITORING & ADAPTIVE MANAGEMENT



PUBLICATION PLAN



PAGE 10:

Container gardening No room to garden? Try container gardening. Squeeze in herbs, veggies, flowers or more – outdoors or in. Ideas to enjoy plants in pots (while conserving water, too). (400 words)

Sidebar Container planting how-to: Thrill, spill, fill. (150 words)



PAGE 11:

Fire-wise landscaping Wildfire season is almost year-round – and a constant threat in Santa Clara Valley. But the right landscaping can actually help protect your home. What is fire-wise/water-wise landscaping? How does it differ from just water-wise landscaping? Interview with an expert. (400 words)

Sidebar Fire-wise tips and reminders. (150 words)



PAGE 12:

No-guilt lawn and other groundcovers Yes, you can have a lawn and save water, too! Keep it small and make it as efficient as possible. Discuss irrigation upgrades and turf alternatives. (400 words)

Sidebar Rebates for irrigation upgrades. (150 words)



Q&A

SCV WATER DROUGHT RESPONSE AND DEMAND PERFORMANCE