

DSRSD WATER CONSERVATION UPDATE

Irene Suroso

Senior Engineer
March 15, 2022



An aerial photograph of a large suspension bridge spanning a deep canyon. The bridge has a prominent green tower and steel truss structure. The water in the reservoir is a vibrant blue, contrasting with the brown and tan rocky hillsides. A road with a few vehicles is visible on the left side of the bridge. The background shows rolling hills under a clear sky.

AGENDA

- State reservoir and drought condition
- Local weather and climate
- Public outreach
- Conservation activities
- Water use reduction update
- State level activities

Lake Oroville, January 25, 2022

STATE RESERVOIR CONDITIONS

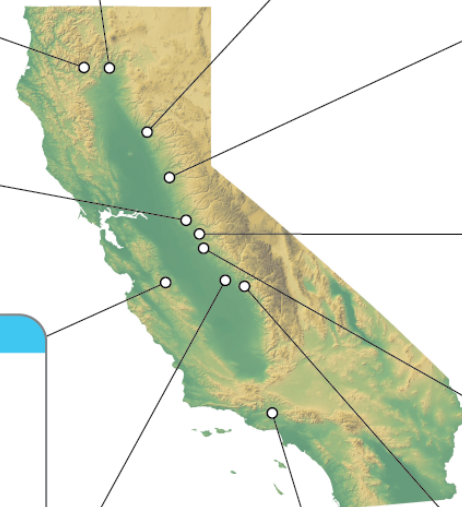
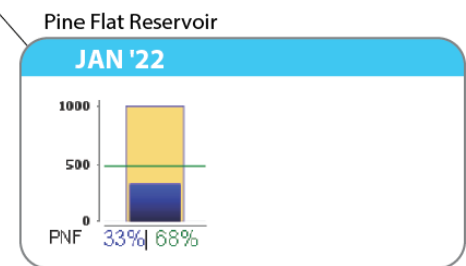
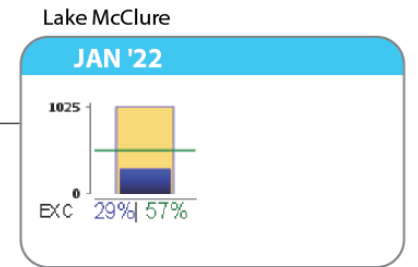
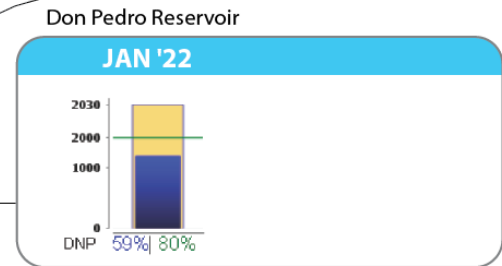
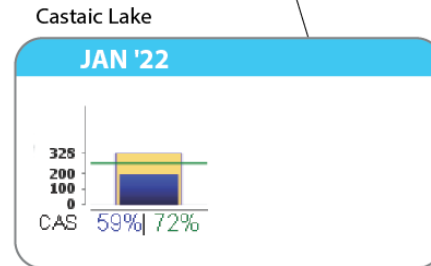
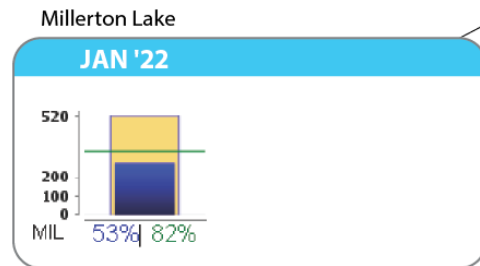
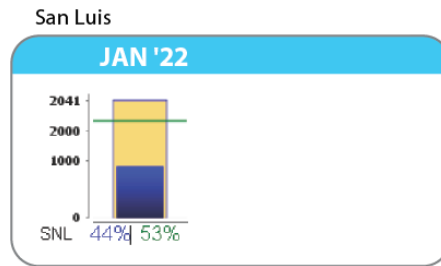
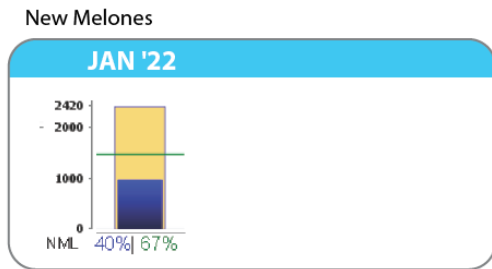
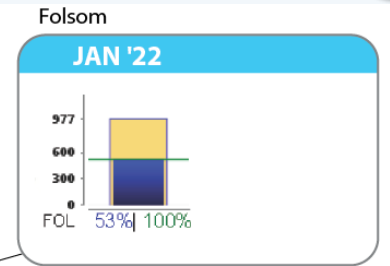
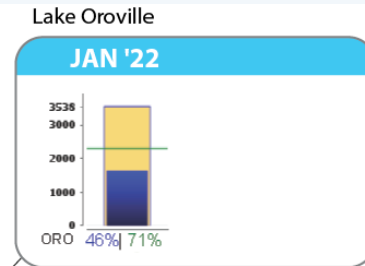
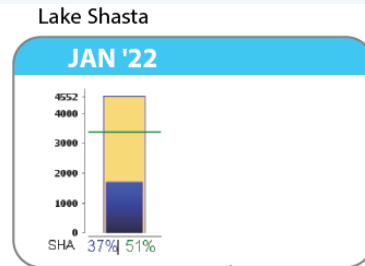
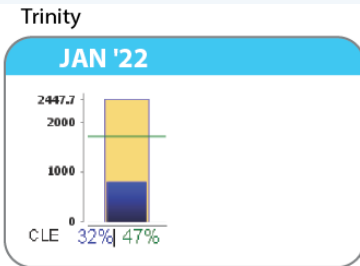
LEGEND

- Red Line: Historic level for date
- Gold Bar: Total Reservoir Capacity
- Blue Bar: Storage Level for date

Capacity (TAF)

Historical Avg Mark

% of Capacity | % of Historical Average



STATE RESERVOIR CONDITIONS

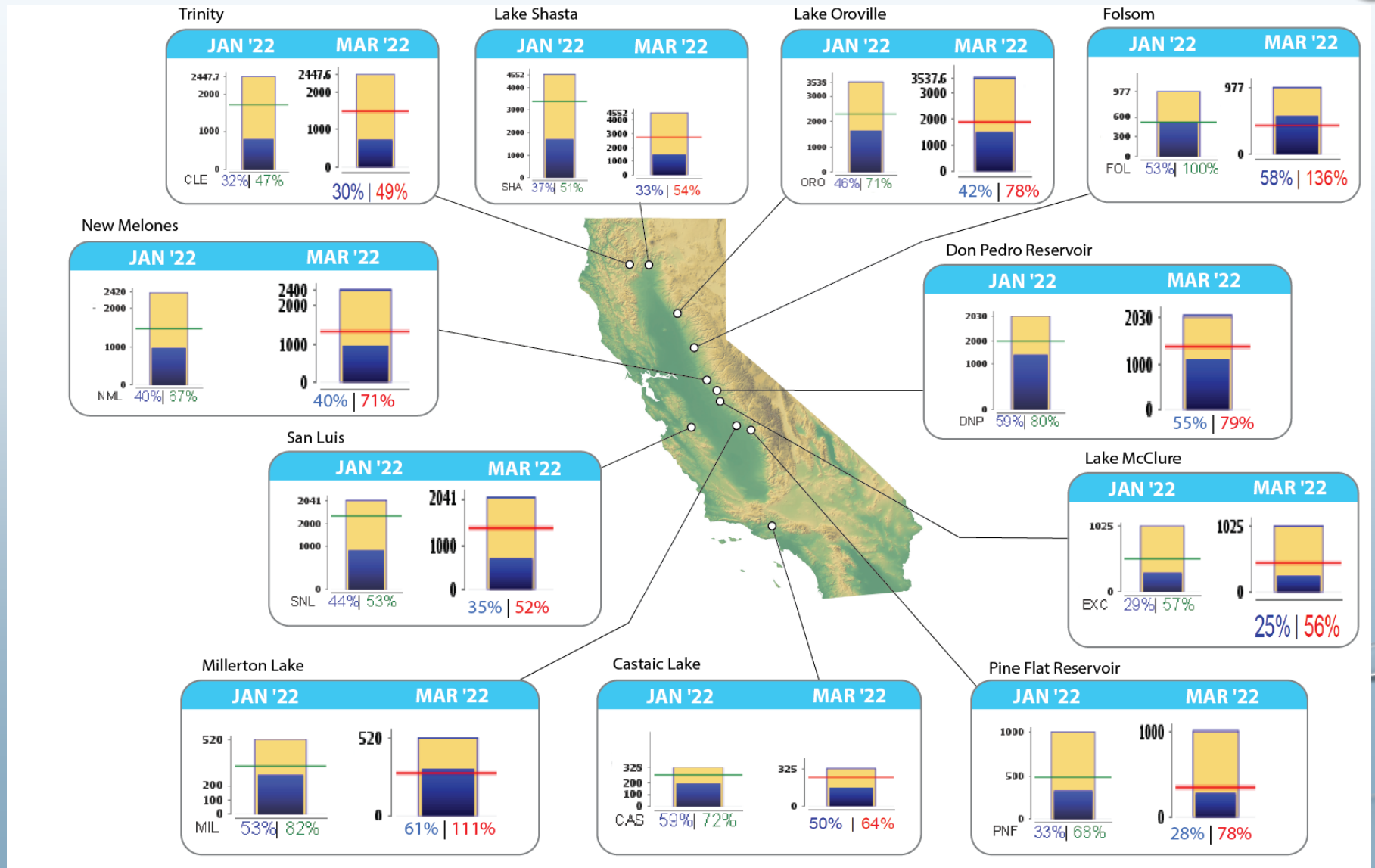
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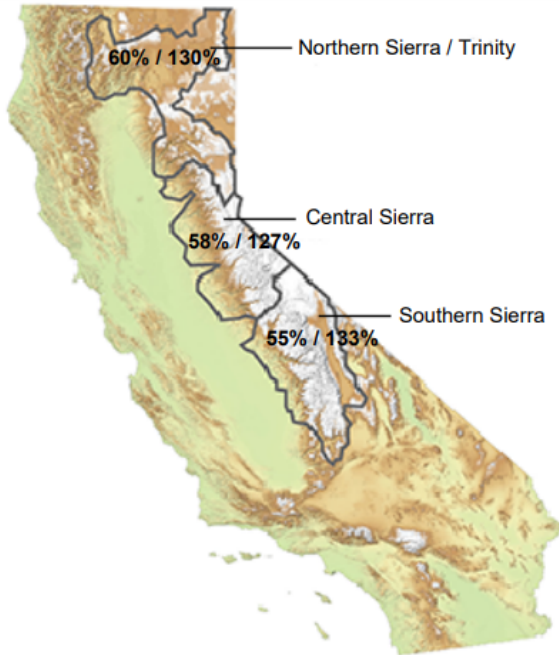
% of Capacity | % of Historical Average



CLIMATE – SNOWPACK ON NORTHERN SIERRA

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

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



NORTH	
Data as of January 12, 2022	
Number of Stations Reporting	28
Average snow water equivalent (Inches)	17.2
Percent of April 1 Average (%)	60
Percent of normal for this date (%)	130

CENTRAL	
Data as of January 12, 2022	
Number of Stations Reporting	42
Average snow water equivalent (Inches)	17.0
Percent of April 1 Average (%)	58
Percent of normal for this date (%)	127

SOUTH	
Data as of January 12, 2022	
Number of Stations Reporting	30
Average snow water equivalent (Inches)	14.2
Percent of April 1 Average (%)	55
Percent of normal for this date (%)	133

STATE	
Data as of January 12, 2022	
Number of Stations Reporting	100
Average snow water equivalent (Inches)	16.2
Percent of April 1 Average (%)	58
Percent of normal for this date (%)	130

Statewide Average: 58% / 130%

CURRENT REGIONAL SNOWPACK FROM AUTOMATED SNOW SENSORS

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



NORTH	
Data as of March 7, 2022	
Number of Stations Reporting	31
Average snow water equivalent (Inches)	15.0
Percent of April 1 Average (%)	52
Percent of normal for this date (%)	55

CENTRAL	
Data as of March 7, 2022	
Number of Stations Reporting	43
Average snow water equivalent (Inches)	17.4
Percent of April 1 Average (%)	59
Percent of normal for this date (%)	64

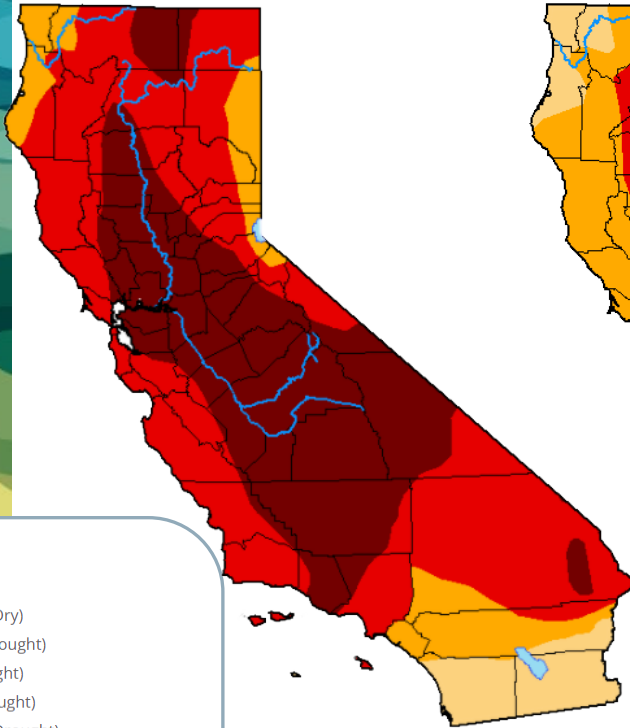
SOUTH	
Data as of March 7, 2022	
Number of Stations Reporting	29
Average snow water equivalent (Inches)	14.9
Percent of April 1 Average (%)	59
Percent of normal for this date (%)	65

STATE	
Data as of March 7, 2022	
Number of Stations Reporting	103
Average snow water equivalent (Inches)	16.0
Percent of April 1 Average (%)	57
Percent of normal for this date (%)	62

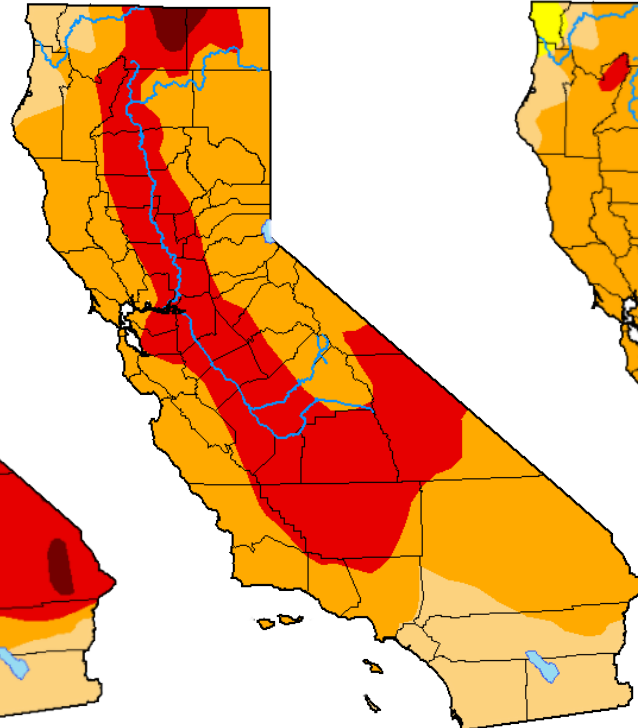
Statewide Average: 57% / 62%

CURRENT DROUGHT CONDITIONS

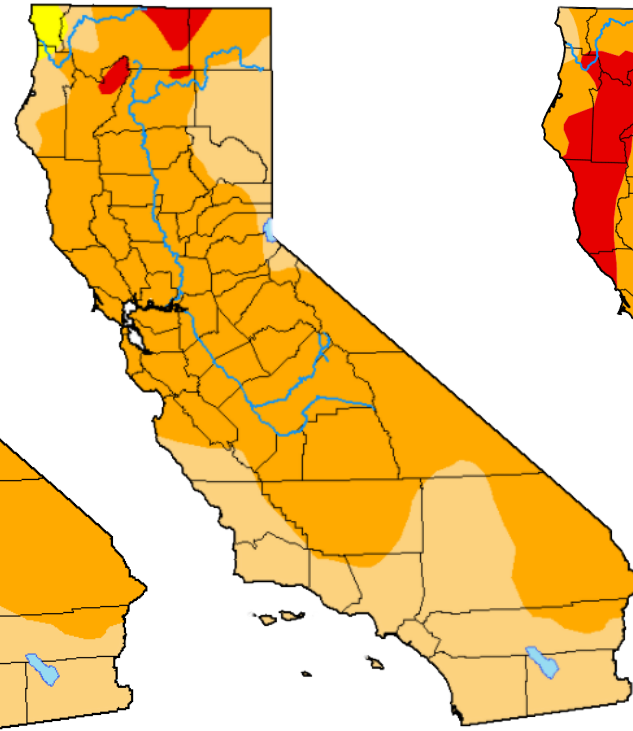
November 3, 2021



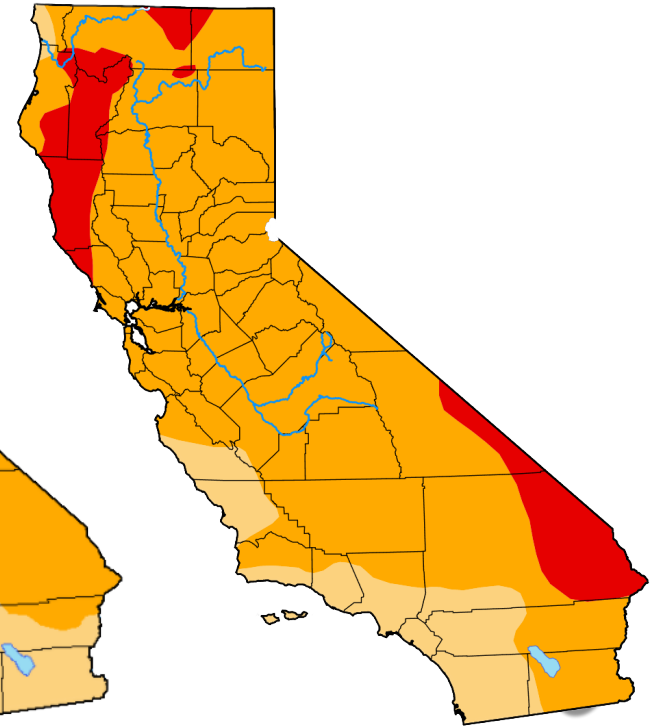
December 28, 2021



January 25, 2022



March 1, 2022



Intensity

- None
- D0 (Abnormally Dry)
- D1 (Moderate Drought)
- D2 (Severe Drought)
- D3 (Extreme Drought)
- D4 (Exceptional Drought)
- No Data

Authors

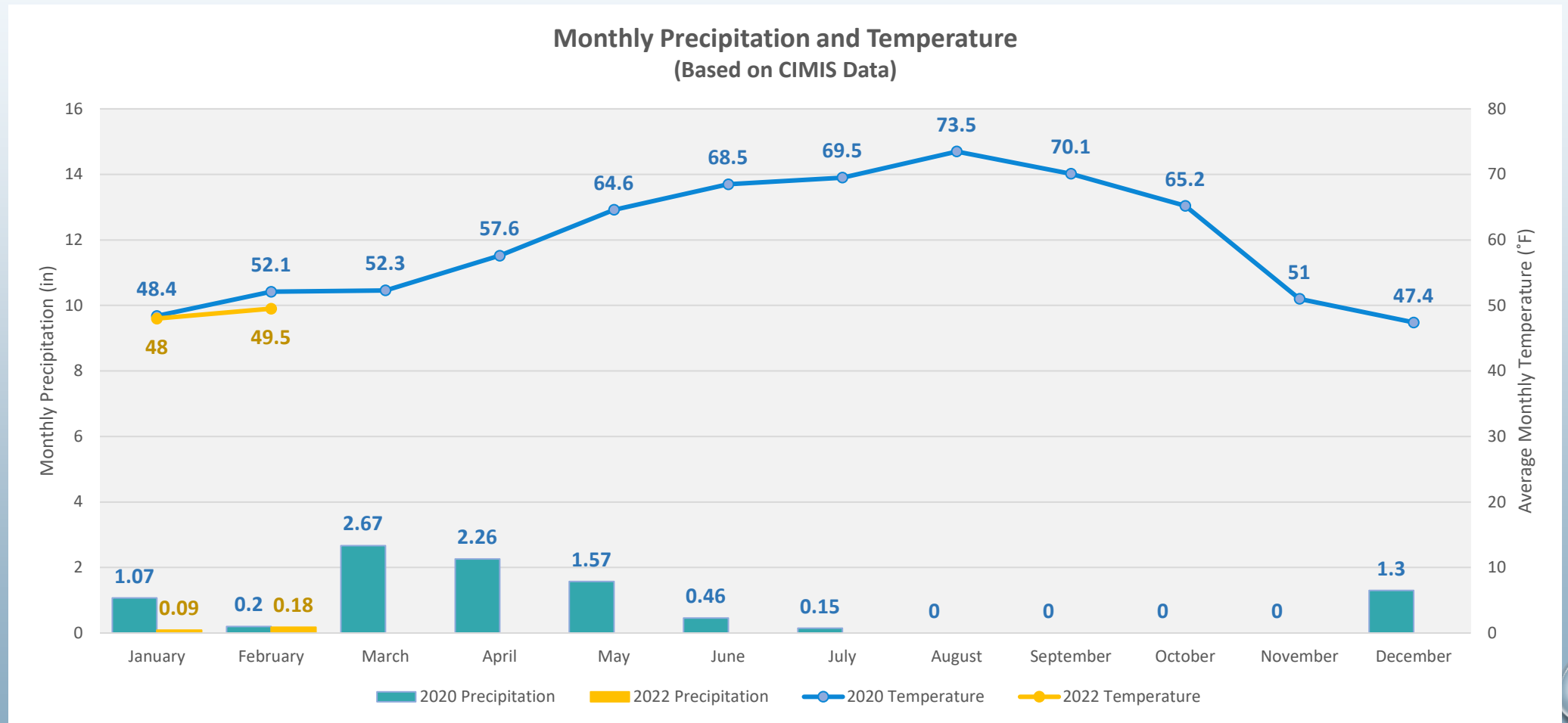
United States and Puerto Rico Author(s):

Adam Hartman, NOAA/NWS/NCEP/CPC

Pacific Islands and Virgin Islands Author(s):

Curtis Riganti, National Drought Mitigation Center

LOCAL PRECIPITATION AND TEMPERATURE

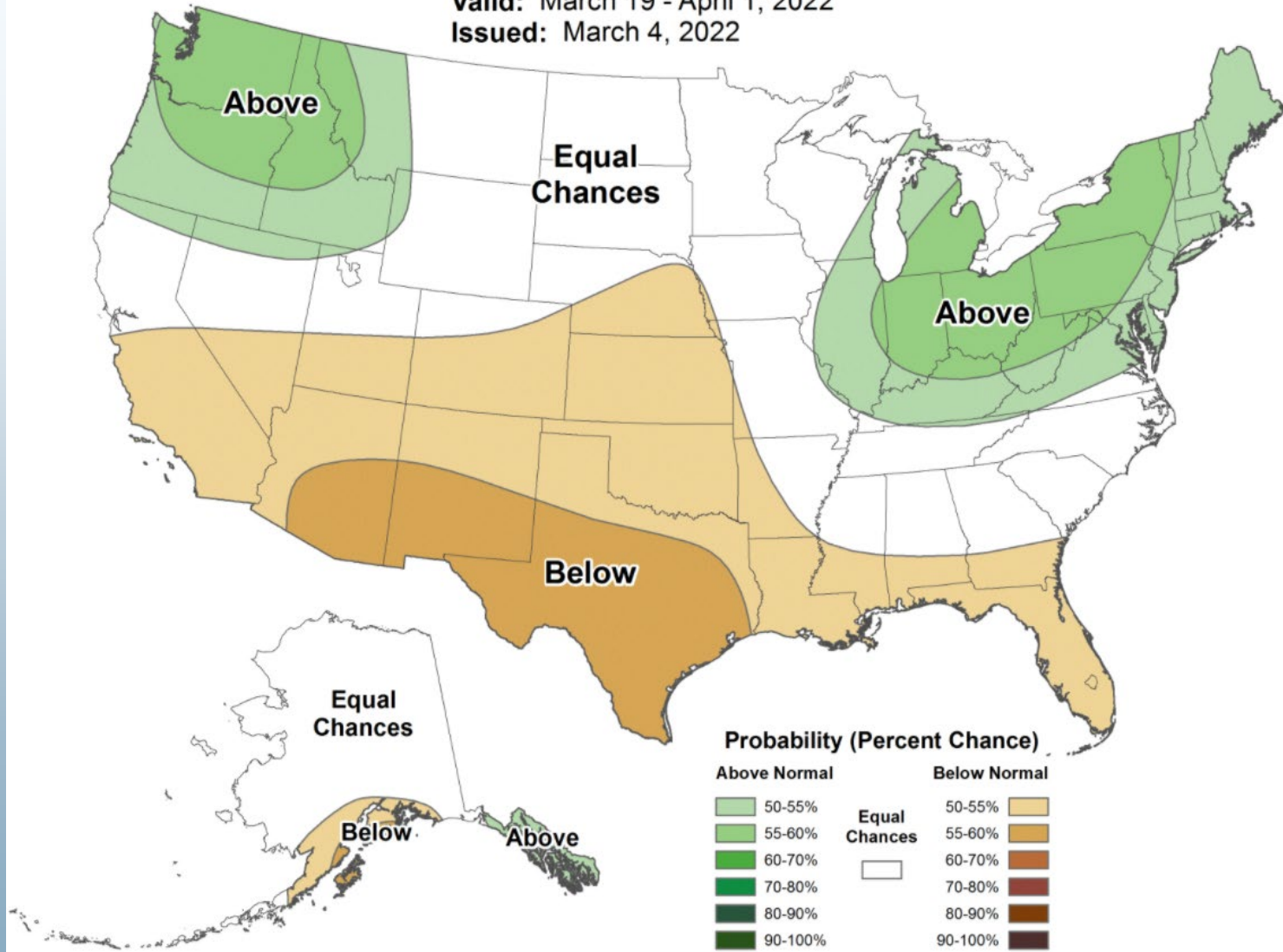




Weeks 3-4 Precipitation Outlook



Valid: March 19 - April 1, 2022
Issued: March 4, 2022



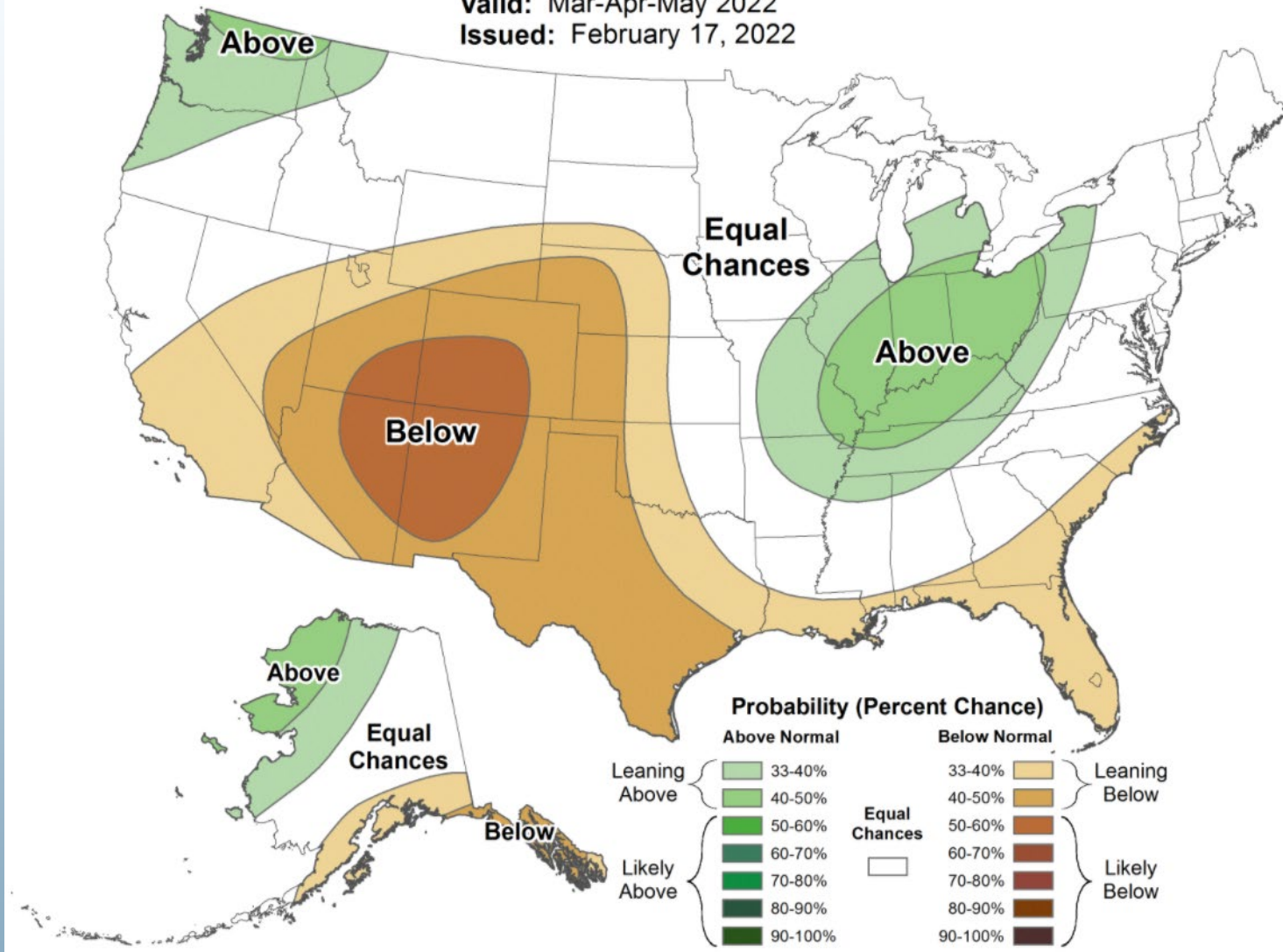


Seasonal Precipitation Outlook



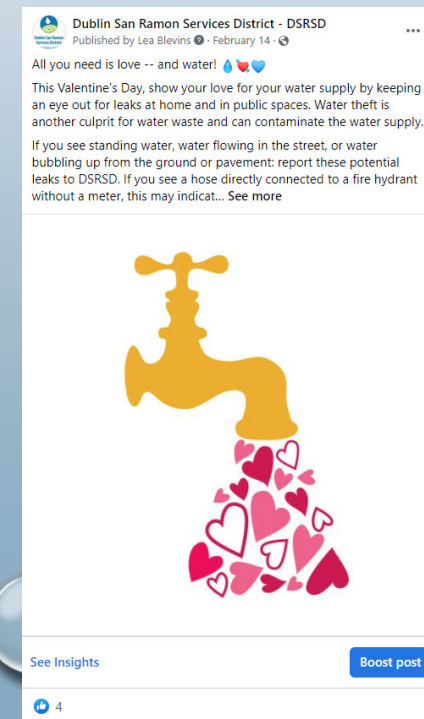
Valid: Mar-Apr-May 2022

Issued: February 17, 2022



PUBLIC OUTREACH

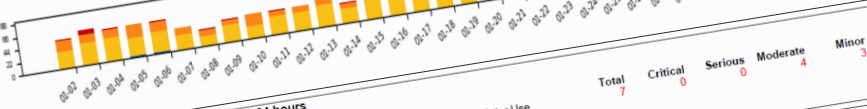
- Monthly E-Newsletter to Customer (January, February and March)
 - District-wide conservation status
 - Indoor water-saving tips for winter month
 - Reminder of outdoor water use rules during winter months
 - Rebates for High-Efficiency clothes washers
 - Fix a Leak Week information(March 14-20)
- Social Media
 - How to fix leak inside the house
 - Water waste information
 - February 1st snow survey – January was the driest on record
- Media
 - Zone7 drought TV ads ended in January



CONSERVATION ACTIVITIES



Number of Use Alerts by Day



Alert Summary for DSRSD during prior 24 hours

	Total	Critical	Serious	Moderate	Minor	Inactive Meter Use
Leak Alerts	74	5	27	38	4	0
Threshold Alerts	331	0	0	331	0	0
Budget Alerts	412	0	27	373	0	7

Open alerts for prior 24 hours

	Total	Critical	Serious	Moderate	Minor
Leak Alerts	42	0	11	27	4
Threshold Alerts	0	0	0	0	0
Budget Alerts	48	0	11	31	6

Closed alerts for prior 24 hours

	Total	Critical	Serious	Moderate	Minor
Leak Alerts	32	5	16	11	0
Threshold Alerts	331	0	0	331	0
Budget Alerts	364	5	16	342	1

Contacts for prior 24 hours

	Total	Text	eMail	vMail	Voice	FollowUp	Postcard
Leak Alerts	5	83	3	0	1	0	0
Threshold Alerts	331	0	245	0	3	0	0
Budget Alerts	336	84	248	0	4	0	0

Alerts Closed from Today

	Total	Auto Resolved	Fixed	Open
Leak Closes	32	28	4	42
Threshold Closes	331	0	331	0
Budget Closes	364	28	336	48

Alerts Still Open

Open	42
	0
	48



Rebates

- ✓ Total of 23 rebates given in January and February
- ✓ Planning to approve a pilot HOA based controller rebate
 - 30 controllers serving more than 1,000 residential homes

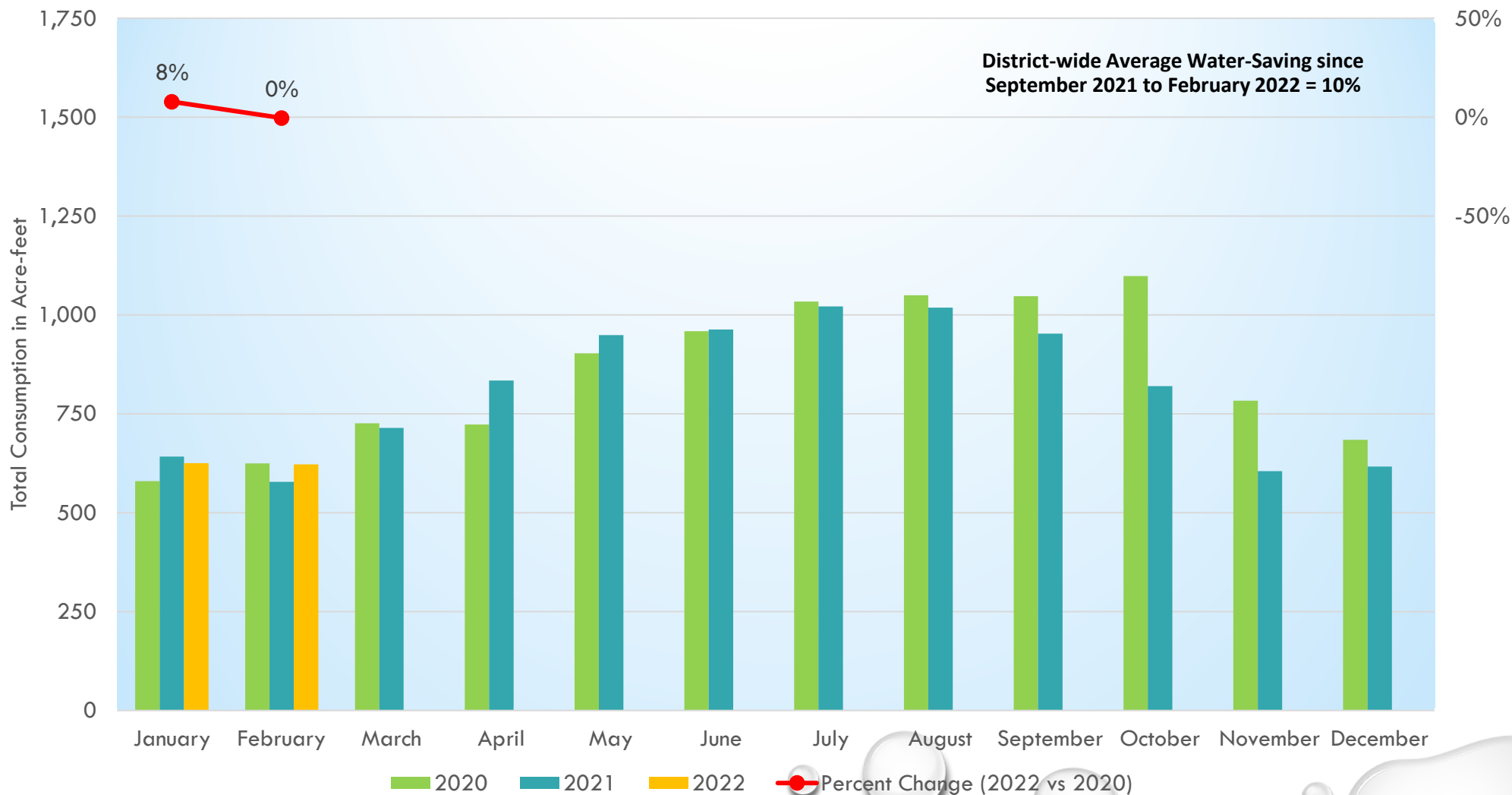


Leak Alerts (from AMI Meters)

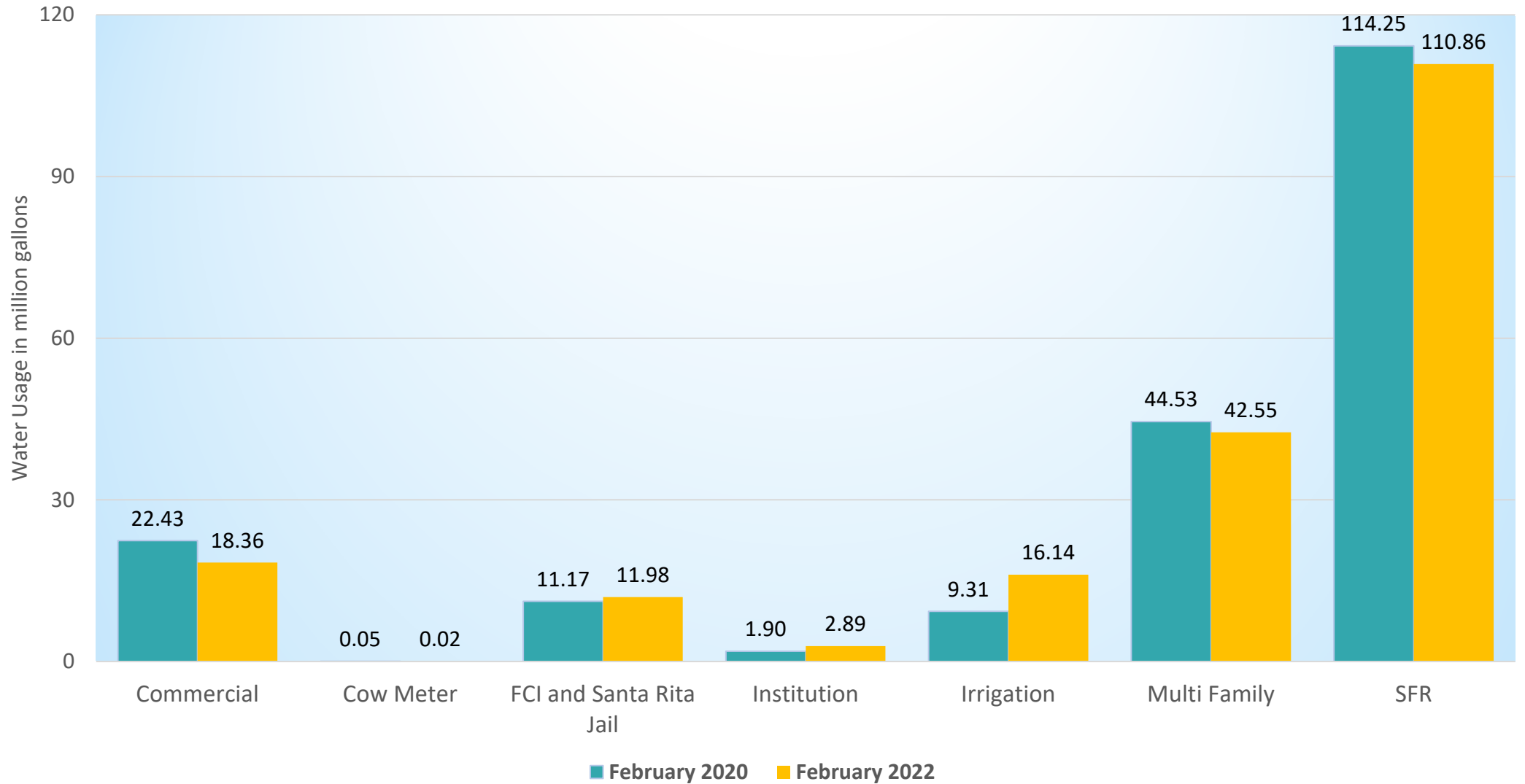
February 2022	
Leak Alerts	1,846
Customer Contacted for Leak Alerts	193
Percent Leak Alerts Auto-Resolved	35%
Percent Leak Alerts - Fixed	5%
Percent Opened Case	59%

WATER USE AND CONSERVATION TARGET

DSRSD System-wide Potable Water Use Reduction



POTABLE WATER USE BY CUSTOMER TYPES FOR FEBRUARY



STATE LEVEL ACTIVITIES

- January 18th, 2022 – State Emergency Regulations became affective
 - This regulation gives local agencies additional options to address water waste
 - Local agencies may choose their own drought conservation rules including those in the WSCP as opposed to this emergency regulation
 - **All of prohibitions under the emergency regulations are in DSRSD's Stage 2 water shortage rules, except for filling decorative fountains, lakes or ponds**
- January 20th, 2022 - DWR increased State Water Project Allocation from 0 to 15%. However, allocation may be lowered due to continuous dry conditions

The slide features a light blue background with several realistic water bubbles of various sizes scattered across it. On the left side, there is a vertical decorative bar with a wavy, layered pattern in shades of blue, teal, green, and yellow. The title 'NEXT STEPS' is centered at the top in a bold, green, sans-serif font.

NEXT STEPS

- Message to customers on continuing conserve outdoor water use
 - On March 1st, outdoor water rules change from 1 day per week to 3 days per week (per Stage 2 measures)
- Review large water users and irrigation sites with dedicated water meters to identify potential water saving
- Update Board of Directors in May

