

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the City Clerk's office at (310) 618-2780. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting. [28CFR35.102-35.104 ADA Title II]

Direct questions or concerns to the Commission Liaison at (310) 781-6900 or individual department head prior to submission to the Commission. Parties will be notified if the complaint will be included on a subsequent agenda.

The Water Commission is an advisory body to the City Council that meets on the fourth Wednesday of each month at 6:30 p.m. All meetings are open to the public.

Staff reports are attached to the agenda and available for review online. Questions or concerns may be directed to Chuck Schaich at (310) 781-6900. Agendas and Minutes are posted on the City of Torrance Home Page [www.TorranceCA.Gov](http://www.TorranceCA.Gov).

**TORRANCE WATER COMMISSION AGENDA  
WEDNESDAY, MARCH 22, 2023  
REGULAR MEETING  
6:30 P.M.  
WEST ANNEX COMMISSION MEETING ROOM  
CITY HALL  
AT 3031 TORRANCE BOULEVARD  
TORRANCE, CA 90503**

**WATER COMMISSION MAY TAKE ACTION ON ANY ITEM  
LISTED ON THE AGENDA**

**1. CALL MEETING TO ORDER**

**ROLL CALL:** Commission Members Deemer, Kawai, Masnek, Mattie, Siani, Chair Jay

**2. FLAG SALUTE**

**3. REPORT OF THE PUBLIC WORKS STAFF ON THE POSTING OF THE AGENDA**

The agenda was posted on the Public Notice Board at 3031 Torrance Bl. and on the City's Website on Friday, March 17, 2023

**4. ANNOUNCEMENT OF WITHDRAWN, DEFERRED, AND/OR SUPPLEMENTAL ITEMS**

**5. ORAL COMMUNICATIONS (Limited to a 30-minute period)**

*This portion of the meeting is reserved for public comment on items on the agenda or on topics of interest to the general public. Under the Ralph M. Brown Act, Commissioners cannot act on items raised during public comment but may respond briefly to statements made or questions posed; request clarification; or refer the item to staff. Speakers under this Public Comment period will have no longer than 3 minutes per speaker.*

**6. CONSENT CALENDAR**

*Matters listed under the Consent Calendar are considered routine and will be enacted by one motion and one vote. There will be no separate discussion of these items. If discussion is desired, that item will be removed by a Commissioner from the Consent Calendar and considered separately.*

**6A. Approval of Minutes**

- I. Regular Meeting January 25, 2023

**7. ADMINISTRATIVE MATTERS**

*Matters listed under Administrative Matters are considered separately. Comment by members of public on each is limited to a maximum of 2 minutes per item. Speakers must stay on topic and confine their comments to the item under consideration.*

- 7A. Discussion - Presentation by a Representative of the City's Transit Department regarding Los Angeles County Metropolitan Transportation Authority C-Line Extension** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.
- 7B. Discussion - Presentation regarding the Status of Water Conditions in the State and the Water Supply Situation** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.
- 7C. Discussion - Monthly Water Operations Report** - Recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.

**8. METROPOLITAN WATER DISTRICT MATTERS**

- 8A. Metropolitan Water District Director's Report** - Recommendation of the of the Deputy Public Works Director - Operations that the Water Commission accept and file this report

**9. COMMISSION AND STAFF ORAL COMMUNICATIONS**

**10. ADJOURNMENT**

- 10A.** Adjournment of the Water Commission Meeting date to Wednesday, April 26, 2023 at 6:30 p.m.

**MINUTES OF A REGULAR MEETING OF THE  
TORRANCE WATER COMMISSION AGENDA**

**1. CALL MEETING TO ORDER**

The Torrance Water Commission convened in a regular session at 6:30 p.m. on Wednesday, January 25, 2023 in the West Annex Meeting Room.

**ROLL CALL**

Present: Commissioners Deemer, Kawai, Masnek, Mattie, Siani, and Chairperson Jay.

Absent: Commissioner Glass.

Also Present: Water Operations Manager Andrew Darlak, Policy and Resources Specialist Chuck Schaich, Administrative Analyst Leah Portman, Metropolitan Water District Director Russel Lefevre, and Los Angeles County Sanitation District Supervising Engineer Basil Hewitt.

**2. FLAG SALUTE**

Commissioner Mattie led the Pledge of Allegiance.

**3. REPORT OF THE PUBLIC WORKS STAFF ON THE POSTING OF THE AGENDA**

Policy and Resources Specialist Schaich reported that the agenda was posted on the Public Notice Board at 3031 Torrance Boulevard and on the City's Website.

**4. ANNOUNCEMENT OF WITHDRAWN, DEFERRED, AND/OR SUPPLEMENTAL ITEMS**

None.

**5. ORAL COMMUNICATIONS**

Barbara Marriott, homeowner at New Horizons, requested a pipeline be placed in the New Horizons property to bring recycled water to the golf course.

**6. CONSENT CALENDAR**

**6A. APPROVAL OF MINUTES: NOVEMBER 30, 2022**

**MOTION:** Commissioner Kawai moved to approve the minutes as presented. Commissioner Siani seconded the motion; a roll call vote reflected 6-0 approval (Commissioner Glass absent).

**7. ADMINISTRATIVE MATTERS**

7A. DISCUSSION – PRESENTATION BY A REPRESENTATIVE OF THE LOS ANGELES COUNTY SANITATION DISTRICTS REGARDING AN OVERVIEW OF THE DISTRICT, WATER RECLAMATION AND PROPOSED “PURE WATER PROJECT”

Los Angeles County Sanitation District Supervising Engineer Hewitt presented a PowerPoint presentation regarding an overview of the Sanitation Districts:

- Clearwater Project is underway; the project consists of tunnels being built to current seismic codes.
- Los Angeles County Sanitation District manages 15% of Los Angeles County's trash and manages 1,400 miles of trunk sewer throughout Los Angeles County.
- Two UV Disinfection Facilities have been built to reduce chlorine use. At the Valencia Plant, a microfiltration reverse osmosis facility is being built to remove excess salt; the microfiltration reverse osmosis facility should be completed end of 2023.
- Total Energy Powerplant, a 20-mega-watt facility, runs on biogas making the Powerplant energy self-sufficient, saving rate payers approximately \$50-million-dollars per year.
- Flow Equalization Tanks have been built which consists of underground tanks that store water when flows are high and pump out water when flows are low.
- Of the (11) treatment plants, (10) are producing recycled water and most are oversubscribed. Los Angeles County Sanitation District is looking to improve water conservation and as a solution, the Pure Water Project was formed.

Commissioner Deemer inquired on funding for the project. Los Angeles County Sanitation District Supervising Engineer Hewitt replied that grant funding and low interest loans are being used and investigated.

Commissioner Siani stated that she had not found the link to review Pure Water Project. Los Angeles County Sanitation District Supervising Engineer Hewitt replied that a link could be provided for review.

Chair Jay stated that he would like to do a local tour of Torrance water facilities. Los Angeles County Sanitation District Supervising Engineer Hewitt acknowledged the request.

**MOTION:** Chairperson Jay moved to accept and file the Presentation of the Los Angeles County Sanitation District Regarding Overview of the District, Water Reclamation, and Proposed “Pure Water Project”. Commissioner Kawai seconded the motion; a roll call vote reflected 6-0 approval (Commissioner Glass absent).

**7B. DISCUSSION – STATUS OF DROUGHT CONDITIONS IN THE STATE AND THE WATER SUPPLY SITUATION**

Administrative Analyst Portman presented a presentation on the status of drought conditions.

- As early as December 2022, California was in an extreme drought condition, with recent rain and snow, there are currently no areas in California in extreme or exceptional drought conditions.
- As of January 18, 2023, snowpack is over 200% of normal for this time of year.
- Due to recent storms, Lake Oroville is making a recovery.
- Although rain has helped in drought situations, caution is still advised pertaining to water usage.

**MOTION:** Commissioner Siani moved to accept and file the Status of Drought Conditions in the State and Water Supply Situation. Commissioner Mattie seconded the motion; a roll call vote reflected 6-0 approval (Commissioner Glass absent).

**7C. DISCUSSION – MONTHLY WATER OPERATIONS REPORT**

Water Operations Manager Darlak gave a December 2022 / end of year water operations report:

- Well 9 was offline in December for the preparation to go to the new North Torrance Well Field.
- The City Yard Well is offline but is anticipated to be back online next month.
- Year to date, MET Water was up 3.3% and West Basin was down 13% due to the refinery.
- Main replacement project is happening on 182nd and Doty and another main replacement project is being planned off of 190th and Prairie.
- Regarding the North Torrance Well Field, the permit has been received from the state and there's permission to use the facility.

**MOTION:** Commissioner Deemer moved to accept the Monthly Water Operations Report. Commissioner Masnek seconded the motion; a roll call vote reflected 6-0 approval (Commissioner Glass absent).

**8. METROPOLITAN WATER DISTRICT MATTERS**

**8A. METROPOLITAN WATER DISTRICT DIRECTOR'S REPORT**

Metropolitan Water District Director Lefevre presented his report:

- Precipitation is well above average for the date.

- Metropolitan Water District Director Lefevre announced he was made the Metropolitan Water District Representative on the Bay Delta Finance Authority and was elected Vice President.
- A report on the committee structure and what the committees will be doing can be presented during the February 2023 meeting.

9. **COMMISSION AND STAFF ORAL COMMUNICATIONS**

Members of the Commission spoke.

Policy and Resources Specialist Chuck Schaich stated that a facilities tour can be schedule on a Friday, April 2023.

10. **ADJOURNMENT**

**MOTION:** At 8:02 p.m., Chairperson Jay moved to adjourn the meeting to Wednesday, February 22, 2023, at 6:30 p.m. in the West Annex Meeting Room. Commissioner Siani seconded the motion with a 6-0 approval (Commissioner Glass absent).

###

**TO: WATER COMMISSION**  
**FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR - OPERATIONS**  
**SUBJECT: PRESENTATION BY A REPRESENTATIVE OF THE CITY'S TRANSIT DEPARTMENT REGARDING LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY C-LINE EXTENSION**

The City's Transit Director requested that they be provided an opportunity to make a presentation to the Water Commission regarding the Los Angeles County Metropolitan Transportation Authority C-Line Extension, which will be extended to Torrance's new Transit Center. The Transit Department is in the process of meeting with all City commissions on this matter. The purpose is to update the commissions on this important project and solicit input regarding the right-of-way alignments in the draft environmental report. Attached is a copy of the letter report prepared by the Transit Department and accompanying PowerPoint Presentation for your review. A representative of the department will be making a presentation on this item.

  
\_\_\_\_\_  
Matthew Knapp  
Deputy Public Works Director - Operations

Attachments: a) Transit Department Letter Report  
b) PowerPoint Presentation

Roll Call: \_\_\_\_\_ Deemer \_\_\_\_\_ Vacant \_\_\_\_\_ Kawai \_\_\_\_\_ Masnek  
\_\_\_\_\_ Mattie \_\_\_\_\_ Siani \_\_\_\_\_ Chairperson Jay

Water Commission Meeting  
3/22/2023

**Agenda Item No. 7A**

TO: Water Commission  
FROM: Kim Turner, Transit Director  
SUBJECT: Los Angeles County Metropolitan Transportation Authority C-Line Extension

**RECOMMENDATION**

The Transit Director recommends that the Water Commission receive and file the report from staff regarding the C-Line Extension to Torrance.

**BACKGROUND**

Los Angeles County Metropolitan Transportation Authority (LA Metro) is currently studying the extension of its passenger light rail system to Torrance. The C-Line, formerly known as the Green Line, will extend from its existing terminus in Redondo Beach following two potential alignments. These two alignments include following existing LA Metro railroad right-of-way (ROW) or following alongside I-405, then utilizing the median of Hawthorne Blvd. before returning to ROW at 190<sup>th</sup> St. There will be two new stations established – one in Redondo Beach near the South Bay Galleria and another in Torrance adjacent to the Mary K. Giordano Regional Transit Center.

There are three potential options being studied by LA Metro. The first, named the Proposed Project: Metro ROW Elevated/Street-Level, follows existing LA Metro owned railroad right-of-way. The second, named the Trench Option, follows along the same alignment, but adds a below-grade trench between Inglewood Ave and 182<sup>nd</sup> St. The last option, named the Hawthorne Blvd. Option, leaves LA Metro owned right-of-way to travel along I-405, then travels south through the median of Hawthorne Blvd. from 162<sup>nd</sup> St. to 190<sup>th</sup> St. At south of 190<sup>th</sup> St., all options travel along LA Metro owned right-of-way.

The following is a chronology of previous events related to the issue:

June 29, 2018 Release of Supplemental Alternatives Analysis

On June 29, 2018 LA Metro released the Supplemental Alternatives Analysis to establish the need for a passenger light rail extension, determine the project area, outline the goals for the project, and augment earlier alternatives analyses that had been completed prior to the passing of Measure M.

August 16, 2022 LA Metro Community Meeting

On August 16, 2022, LA Metro staff hosted a community meeting at the Toyota Meeting Hall in Torrance to provide members of the public information about the C-Line Extension project. Residents of Torrance and the surrounding communities were given the opportunity to speak directly with LA Metro staff to ask any questions or raise any concerns or hopes regarding the project.



### September 28, 2022 Transportation Committee Meeting

On September 28, 2022, the City Council Transportation Committee met to hear updates from staff regarding the service changes relating to the opening of the Mary K. Giordano Regional Transit Center, service duplication with Long Beach Transit and the current resolution process, and the Los Angeles County Metropolitan Transportation Authority's (Metro) C-Line Extension to Torrance.

Metro staff provided background and a potential timeline for the C-Line Extension project. City staff reaffirmed the city's position that the C-Line Extension project should utilize Metro's existing Right of Way. The Committee also affirmed their support for The Right of Way Alignment and request that Metro's Board of Supervisors consider an alternative that would place the passenger light rail underground.

### October 25, 2022 City Council Meeting

On October 25, 2022, City Council voted to accept and file the report of the Transportation Committee, and voted unanimously to submit a letter to LA Metro's Board of Directors that established the council's official position of preference for the Proposed Project: Metro ROW Elevated/Street-Level.

### January 26, 2023 LA Metro Release of Draft Environment Impact Report

On January 26, 2023, LA Metro released the Draft Environmental Impact Report (DEIR) related to the C-Line Extension project. This DEIR has informed all staff analysis of impacts on the City of Torrance and its residents.

### February 21, 2023 LA Metro Public Hearing

On February 21, 2023, LA Metro held a public hearing in Torrance at the Toyota Meeting Hall. This hearing gave residents of Torrance and the surrounding communities the opportunity to learn more about the project options, and allowed community members to speak directly to LA Metro staff about their concerns or hopes for the project.

## **ANALYSIS**

The purpose of tonight's presentation is to provide an analysis of impacts to the City of Torrance based on LA Metro's released DEIR on the C-Line Extension project.

The extension of LA Metro's passenger light rail system will provide a number of benefits to the City of Torrance and the South Bay Region as a whole. The project provides an alternate mode of transportation to those who would otherwise be traveling on I-405 and displaces an estimated 17,083,851 on-road vehicle miles travelled annually. This reduction in vehicle miles travelled reduces greenhouse gas emissions in the region by approximately 2,369.4 metric tons of CO<sub>2</sub> equivalent annually.

The project also serves as a driver of economic growth, serving an estimated 65,000 jobs in the project area by 2042. Connections to a number of high value destinations are also provided, such as a seat-ride to LAX, SoFi Stadium via the Inglewood Transit Connector, the South Bay Galleria, Del Amo Fashion Center, and Old Torrance. The majority of ridership will travel in and out of Torrance, with projected new daily trips of 10,600 to 16,200. Riders on the new extension are projected to save around 23.1 minutes per rider.

The extension also improves equity by serving 18% of the low-income communities and 47% of the minority communities in the project area, will also providing connections with local transit agencies and the rest of the South Bay.

City Council has unanimously voted to support the Proposed Project: Metro ROW Elevated/Street-Level. This option is the most cost-effective, costing an estimated \$1.96 billion, with an estimated completion of Fall 2033. This option does not encroach on I-405, and avoids traffic and parking impacts on Hawthorne Blvd. and other arterial roads. This option also avoids costly impacts to businesses and residents along Hawthorne Blvd.

The Trench option has an estimated completion of Spring 2036 with an estimated cost of \$2.84 billion. Major construction work would be required and would result in considerable air quality impacts.

The Hawthorne Blvd. Option will have the greatest negative impacts on the city of Torrance and its residents. The estimated cost is the highest at \$2.96 billion, with an estimated completion of Fall 2035. This option fails to fully utilize existing investment in transit infrastructure by creating a walk between the newly established Redondo Beach Transit Center and proposed South Bay Galleria Station. This option also requires the modification of a number of intersections and roads within the city of Torrance during the construction phase and throughout operation:

- Frontage roads along Hawthorne Blvd. between 175<sup>th</sup> St. and 179<sup>th</sup> St. would need to be narrowed, resulting in the loss of 12 overnight parking spots.
- Left turns lanes on Hawthorne Blvd. from 164<sup>th</sup> St. through 182<sup>nd</sup> St. would require modification
- At Hawthorne Blvd. and 177<sup>th</sup> St., the number of left turn lanes would be reduced from two to one.
- Hawthorne Blvd. and 179<sup>th</sup> St. would be signalized and the left turn pocket would be expanded.
- The median would be closed at Hawthorne Blvd. and 180<sup>th</sup> St. to prevent left turns in the northbound direction.

Throughout construction, the communities surrounding Hawthorne Blvd. would be subject to significant and unavoidable levels of both noise and vibration. The Hawthorne Blvd. option would also require a considerable amount of property acquisition from LA Metro, both on Hawthorne Blvd. itself as well as at the intersection of Hawthorne Blvd. and 190<sup>th</sup> St. where the passenger light rail would return to existing right-of-way.

All of the project options were found to have a less than significant impact to hydrology and water quality. Every option includes the potential for introduction of contaminants, though LA Metro would implement water treatment protocols to ensure that water used during construction or water contaminated would be properly in compliance with all regulatory requirements. Additionally, both the Proposed Project and Trench option could require groundwater dewatering and could potentially change drainage patterns. However, the Elevated Hawthorne Blvd. option would require the rerouting of several pieces of storm drain infrastructure, which could potentially result in temporary disruption of inflows. LA Metro will also work with all utility companies (public and private) to address concerns once the Metro Board has selected an alternative.

Respectfully submitted,

Kim Turner  
Transit Director

A handwritten signature in black ink, appearing to read "David Mach", written over a horizontal line.

By  
David Mach  
Senior Business Manager

Attachment 1: Presentation for C-Line Extension to Torrance



# L.A. Metro C-Line Extension: Regional Benefits

PRESENTED BY TORRANCE TRANSIT

DO NOT DISTRIBUTE WITHOUT PERMISSION

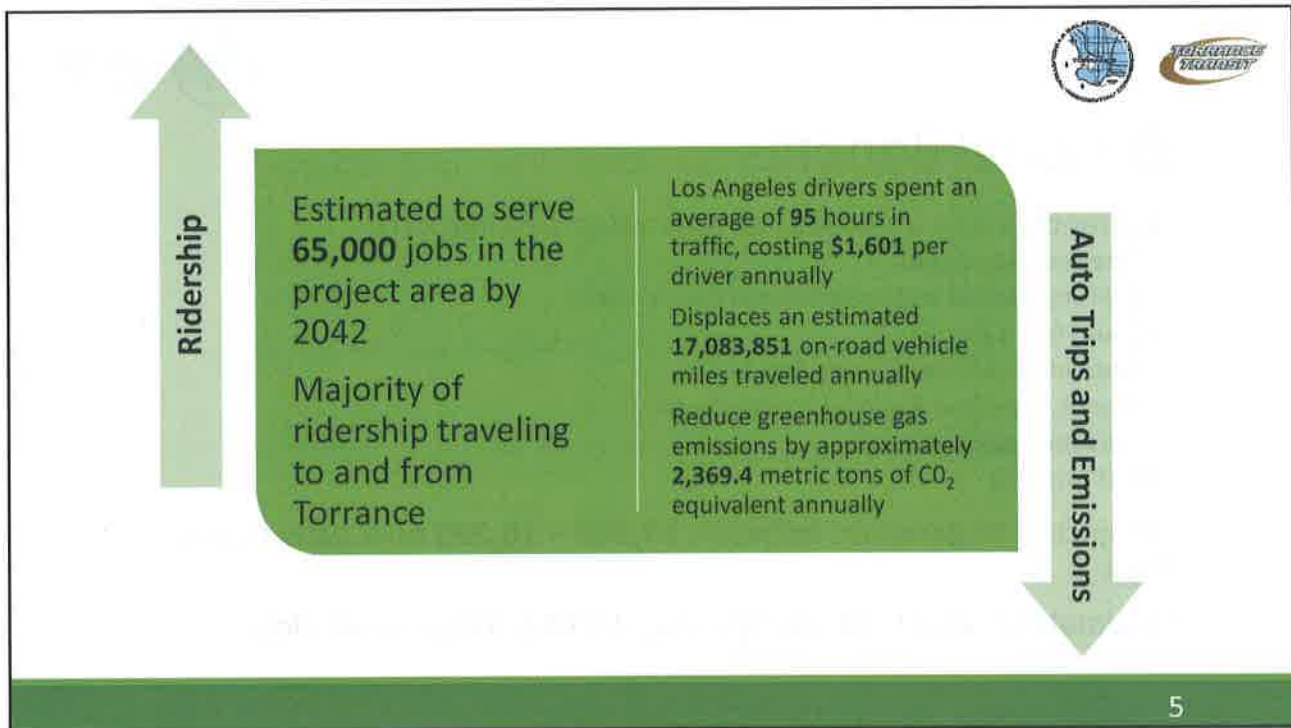
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## Project Background

- L.A. Metro is bringing passenger light rail to the South Bay via an extension of the existing C-Line (formerly referred to as the "Green Line")
- Studying two potential alignments (with 3 possible options)
  - existing railroad Right-Of-Way owned by L.A. Metro or utilization of Hawthorne Blvd.
- **Torrance City Council has voted unanimously to support Proposed Project: Right-of-Way with Elevated/At-Grade Option**

2



## Regional Benefits

- **Improves equity** by serving **18%** of low-income communities and **47%** of minority/non-white communities in the project area
- Provides connections with local transit agencies and surrounding South Bay and Gateway Cities:
  - L.A. Metro Bus and Rail
  - Torrance Transit
  - Beach Cities Transit
  - Los Angeles Department of Transportation Commuter Express
  - Gardena Transit
  - Long Beach Transit
  - Norwalk Transit
  - Lawndale Beat

6

# Regional Benefits from the Mary K. Giordano Regional Transit Center



- At the Mary K. Giordano Regional Transit Center, the C-Line will connect with Torrance Transit's:
  - Line 1
  - Rapid 3
  - Line 4X
  - Line 5
  - Line 6
  - Line 10
  - Future planned Red Car Urban Trolley
- Torrance Transit Center Station would provide the majority of estimated ridership gains

## Project Options



Source: L.A. Metro

## Project Options – Elevated Hawthorne Blvd.



- Elevated rail structure along the center median of Hawthorne Blvd.
- Most expensive (costs \$2.96 billion)
- Estimated completion of Fall 2035
- Significantly impact to residents and local businesses along Hawthorne Blvd.
- Adds longer walk for connections to new Redondo Beach Transit Center. Does not utilize existing transit investments
- Significant noise and vibration during construction
- Requires modification of travel lanes
- More property acquisitions



Source: L.A. Metro

13

## Getting Involved



- Support for the C-Line Extension to Torrance and the Proposed Project R.O.W. Alignment can be provided to Metro via:
  - Email – [greenlineextension@metro.net](mailto:greenlineextension@metro.net)
  - Phone – 323-330-4015
  - Mail: Georgia Sheridan, Senior Director, Mobility Corridors  
One Gateway Plaza, MS 99-22-2 Los Angeles, CA 90012
  - General questions can be directed to Georgia Sheridan, Project Manager
    - Phone – 213-922-4004
- Comments regarding City of Torrance's position can be provided to David Mach:
  - Email – [Dmach@TorranceCA.gov](mailto:Dmach@TorranceCA.gov)
  - Phone – 310-781-6294

14

**TO: WATER COMMISSION**  
**FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR - OPERATIONS**  
**SUBJECT: STATUS OF DROUGHT CONDITIONS IN THE STATE AND THE WATER SUPPLY SITUATION**

After three years (2020 through 2022) of the driest consecutive three-year period on record, California received a total 11 major "atmospheric river" precipitation events beginning in January through mid-March. As late as December 2022, about two-thirds of the state was in an extreme or exceptional drought condition. Currently, there are no portions of the state in this status (see attached US Drought Monitor Map) and areas with residual water deficits are showing substantial recovery.

Snowpacks in the Sierra range are approaching record levels and reservoirs throughout the state are well above their historic average levels for this date. Lake Oroville, the major reservoir on the State Water Project (SWP), is at over 80% of capacity and began releasing stored water earlier this week to provide adequate space in the reservoir to capture expected very large runoffs in the spring. While California has always experienced "feast of famine" water conditions, this year's runoff is expected to be among the highest on record. In summary, we have gone from emergency drought alerts and the imminent possibility of water rationing to a deluge of rain and snow, which has resulted in flood warning in vulnerable areas of the state - all within the last two and one-half months. Since 2006, we've had three major drought cycles followed by one or two extremely wet years. This illustrates the high degree of variability and volatility in weather patterns experienced over the last 20 years.

The State Department of Water Resources (DWR), which manages the State Water Project (SWP), recently increased the allocation of SWP supplies from 30% to 35%. Given near record snowpacks, this allocation is expected to increase to above 50% shortly. This will enable the Metropolitan Water District (MWD) to place a substantial amount of surplus water into storage to partially offset withdrawals over the past three years. Although recent winter storms have relieved the impacts of an historic three-year drought, California is vulnerable to extreme and highly variable weather and droughts that can materialize quickly. While we are seeing short-term relief with vastly improved supplies from the SWP in Northern California, the other source of MWD's imported water - the Colorado River system is in trouble, and there may be significant reductions in allocations in the near future if conditions do not improve and the level in Lake Mead continues to drop. Our main take-away message is that water efficiency needs to continue as a permanent way of life in our Southern California region to ensure long-term water reliability now and in the future. Staff will provide brief a brief overview presentation.

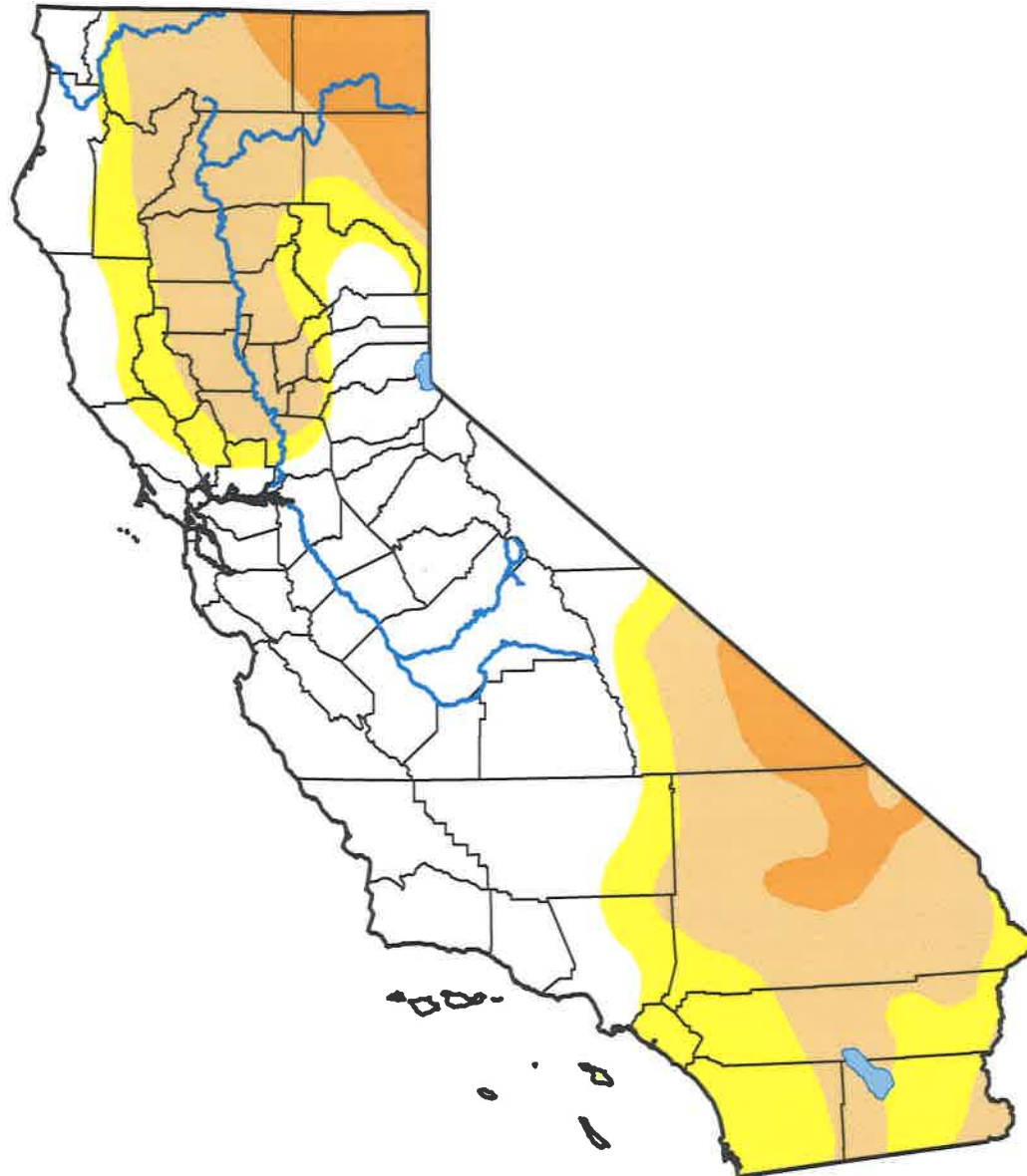
  
\_\_\_\_\_  
Matthew Knapp,  
Deputy Public Works Director - Operations

Roll Call: \_\_\_\_\_ Deemer \_\_\_\_\_ Vacant \_\_\_\_\_ Kawai \_\_\_\_\_ Masnek  
\_\_\_\_\_ Mattie \_\_\_\_\_ Siani \_\_\_\_\_ Chairperson Jay









# U.S. Drought Monitor California

March 14, 2023  
(Released Thursday, Mar. 16, 2023)  
Valid 8 a.m. EDT



### 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:

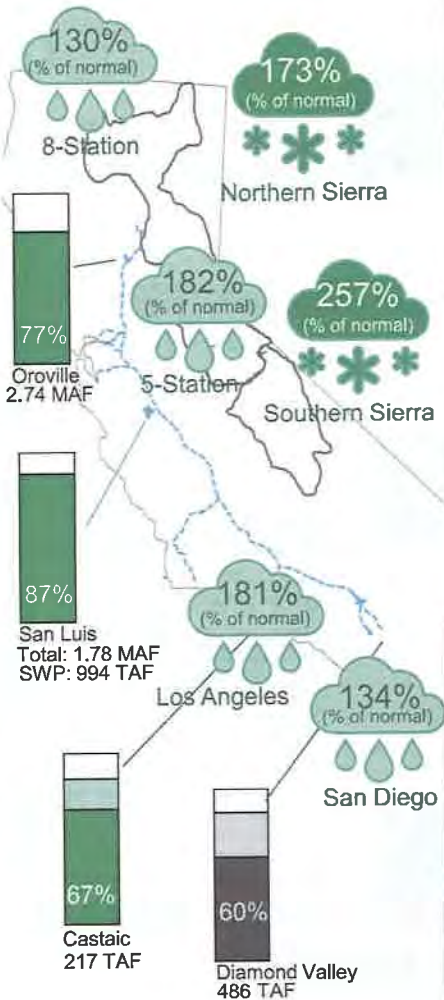
Brad Rippey  
U.S. Department of Agriculture



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# State Water Project Resources

SWP Table A – 35% - 669,025 AF



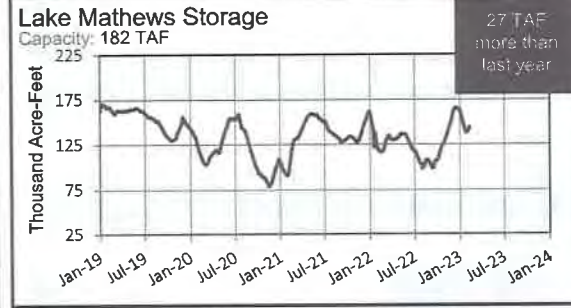
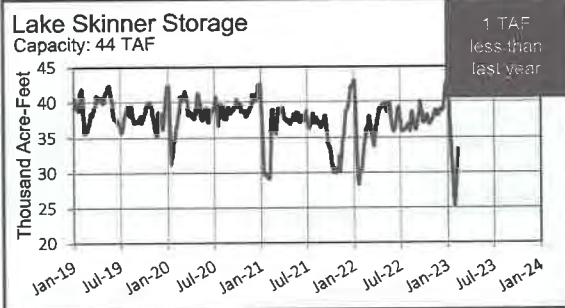
# WATER SUPPLY CONDITIONS REPORT

Water Year 2022-2023  
As of: March 13, 2023

# Colorado River Resources

Projected CRA Diversions – 991,000 AF

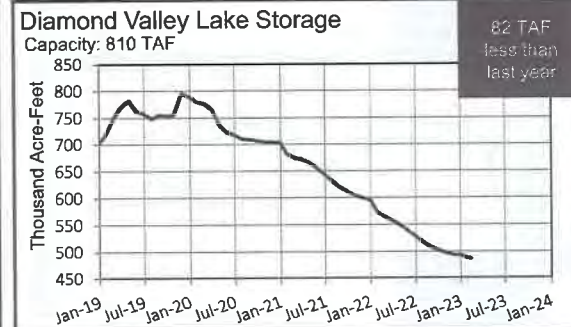
## Metropolitan Resources



### MWD WSDM Storage

Calendar Year 2023

	2023 Take Capacity
Colorado River Aqueduct Delivery System	TBD
State Water Project System	158 TAF
In-Region Supplies and WSDM Actions	329 TAF
Other Programs	40 TAF
<b>Total WSDM Projected Storage Take</b>	<b>527 TAF</b>



## Highlights

- Northern Sierra snowpack is at 166% of April 1 average or 173% for this day
- Oroville Reservoir is at 77% of capacity or 1.12 MAF more than this day last year
- SWP share of San Luis Reservoir is at 994 TAF or 94% of the SWP capacity

This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale. Questions? Email: [info@mrwg.com](mailto:info@mrwg.com)

<https://www.mwdh2o.com/WSCR>

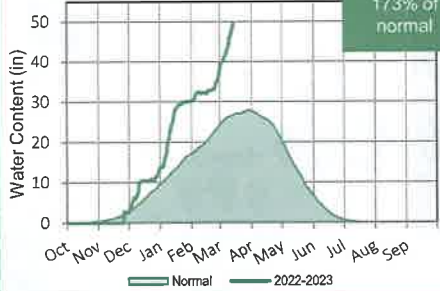


# State Water Project Resources

As of: 03/13/2023

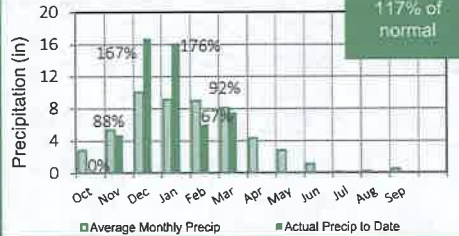
## Northern Sierra Snowpack

48.4 in  
173% of normal



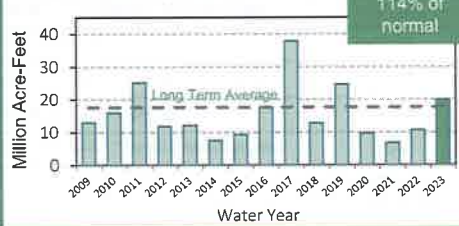
## 8 Station Index Precipitation

42.3 in  
117% of normal



## Sacramento River Runoff

Forecast:  
114% of normal



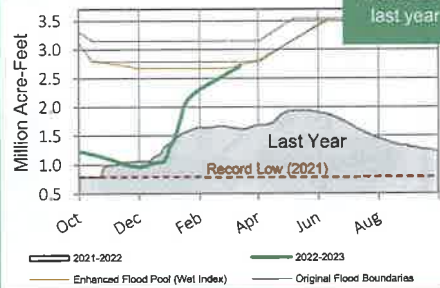
## Other SWP Supplies

Calendar Year 2023  
Carryover 31,000 AF

## Oroville Reservoir Storage

Capacity: 3.54 MAF

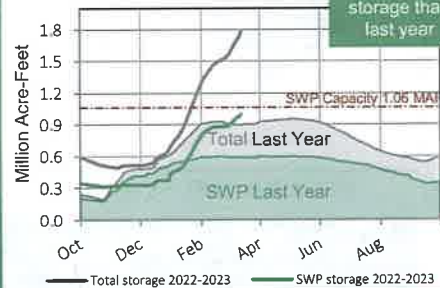
1.12 MAF  
more than last year



## San Luis Reservoir Storage

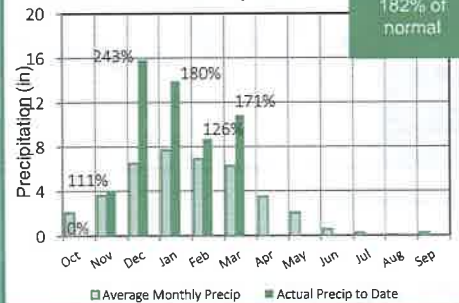
Capacity: 2.04 MAF

407 TAF  
more SWP  
storage than  
last year



## 5 Station Index Precipitation

53.2 in  
182% of normal

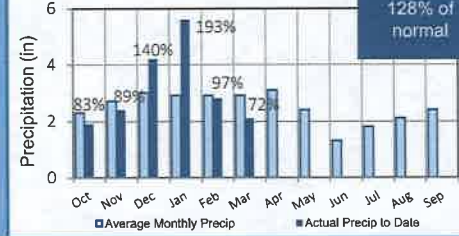


# Colorado River Resources

As of: 03/13/2023

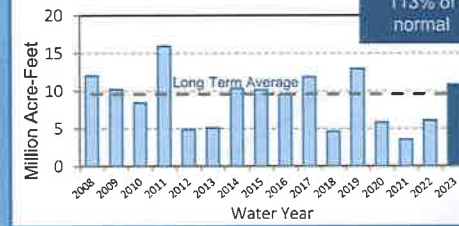
## Upper Colorado Precipitation

19.0 in  
128% of normal



## Powell Unregulated Inflow

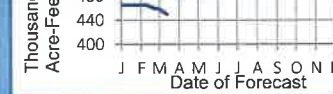
Forecast:  
113% of normal



## PVID/Yuma Agricultural Use

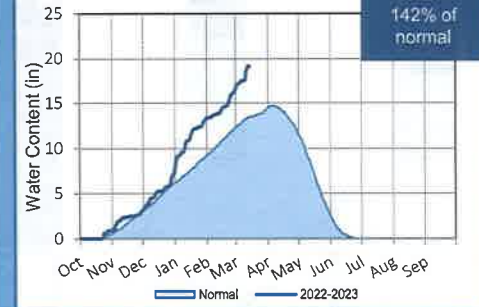
Annual Forecasted for 2023

Forecasted  
Use for 2023:  
449 TAF



## Upper Colorado Snowpack

19.2 in  
142% of normal



## Lake Powell Storage

Capacity: 24.3 MAF

650 TAF  
less than  
last year



## Projected Lake Mead ICS

Calendar Year 2023

Put (+) / Take (-)  
Zero

## Lake Mead Surplus/Shortage Outlook

	2023	2024	2025	2026
Surplus	0%	0%	0%	0%
Shortage	100%	93%	93%	93%
Metropolitan DCP*	60%	67%	67%	60%
	250 TAF	253 TAF	278 TAF	

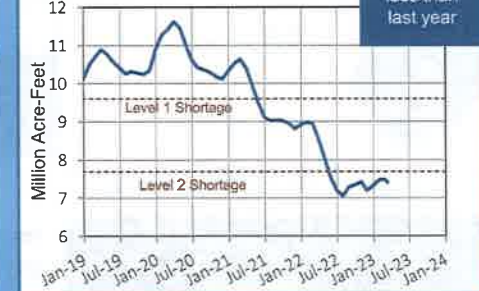
Likelihood based on results from the January 2023 CRIMMS in Ensemble Model/CRSS model run. Includes DCP Contributions.

\* Chance of required DCP contribution by Metropolitan. Volume is average contribution when needed.

## Lake Mead Storage

Capacity: 26.1 MAF

1.40 MAF  
less than  
last year



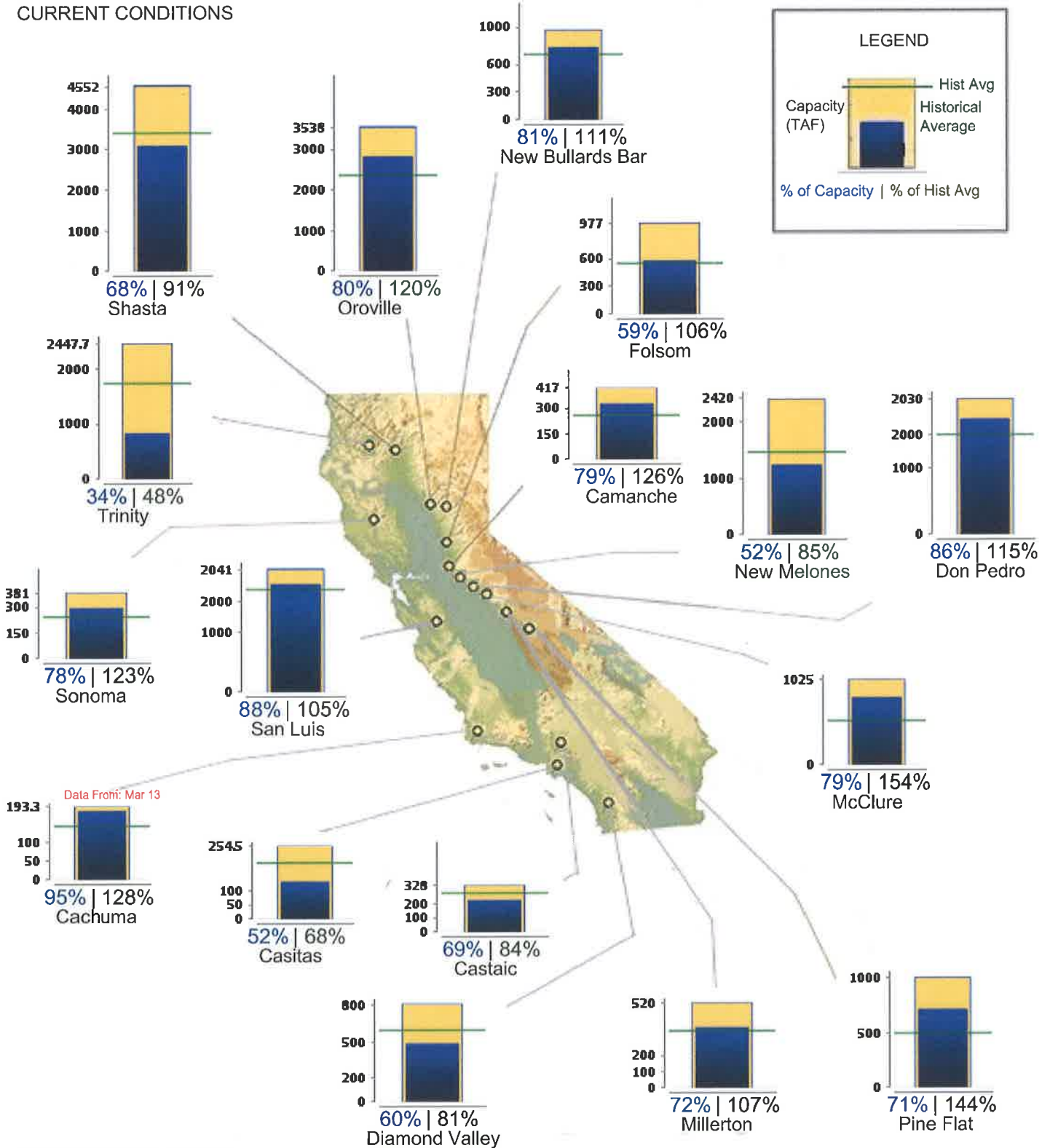


# CURRENT RESERVOIR CONDITIONS

## CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - March 14, 2023

### CURRENT CONDITIONS



# Reservoir Water Storage in Southern California

Report Date: 3/15/2023 - 12:00 AM

Castaic Lake - DWR Reservoir  
 Reservoir Information: <https://cdec.water.ca.gov/dynamicapp/QueryDaily?s=CAS>

Silverwood Lake - DWR Reservoir  
 Reservoir Information: <https://cdec.water.ca.gov/dynamicapp/QueryDaily?s=SLW>



Lake Perris - DWR Reservoir  
 Reservoir Information: <https://cdec.water.ca.gov/dynamicapp/QueryDaily?s=PRR>

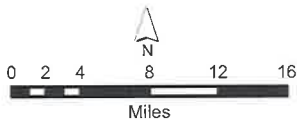
Lake Mathews  
 Total Capacity =182,000  
 Current Storage =145,133  
 80% Full

Diamond Valley Lake  
 Total Capacity =810,000  
 Current Storage =486,375  
 60% Full

Lake Skinner  
 Total Capacity =44,000  
 Current Storage =33,884  
 77% Full

## Legend

-  Freeway
  -  Reservoir
- Capacity and Storage values are in Acre-feet (N/A = Data Not Available)



**MWD**  
**Metropolitan Water District of Southern California**  
**GIS Services**

Note: This map was prepared by the Metropolitan Water District of Southern California for its own use. No warranty is expressed or implied as to the accuracy, reliability, or contents of the information shown herein.  
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**TO: WATER COMMISSION**  
**FROM: MATTHEW KNAPP, DEPUTY PUBLIC WORKS DIRECTOR – OPERATIONS**  
**SUBJECT: ACCEPT AND FILE MONTHLY WATER OPERATIONS REPORT FOR FEBRUARY 2023**

It is the recommendation of the Deputy Public Works Director - Operations that the Water Commission accept and file this report.

Monthly Water Department highlights for the month of February 2023 are:

1. Total potable water produced from local potable sources is 30.6% lower than in February 2022. On a year-to-date basis, potable water is 6% lower than last year and total water produced from all sources, including recycled water is 8.2% lower than in 2022. There has been a significant increase in potable water sales to the Torrance Refining Company, as a result of continued high refinery production and quality related issues with recycled water received from the West Basin Municipal Water District.

**Water Produced and Imported (Acre-feet)**

**Month: February**

Water Source	February 2022	February 2023	Change
<b>Potable Groundwater</b>			
Wells*	147.0	6.7	-95.4%
WRD Desalter*	184.3	223.3	21.2%
Subtotal	331.2	230.0	-30.6%
<b>Imported Potable</b>			
MWD	1,175.7	1,181.5	0.5%
<b>Imported Recycled</b>			
WBMWD	265.6	261.4	-1.6%
<b>Total Produced/Imported</b>			
All Potable Sources	1,506.9	1,411.5	-6.3%
All Sources + Recycled	1,772.6	1,672.9	-5.6%

**Year to Date: 2022 vs 2023**

Water Source	2022 YTD	2023 YTD	Change
<b>Potable Groundwater</b>			
Wells	319.5	6.7	-97.9%
WRD Desalter	396.0	403.6	1.9%
Subtotal	715.5	410.3	-42.7%
<b>Imported Potable</b>			
MWD	2,226.3	2,355.0	5.8%
<b>Imported Recycled</b>			
WBMWD	643.0	525.0	-18.3%
<b>Total Produced/Imported</b>			
All Potable Sources	2,941.8	2,765.3	-6.0%
All Sources + Recycled	3,584.7	3,290.3	-8.2%

\*data estimate based on production reads

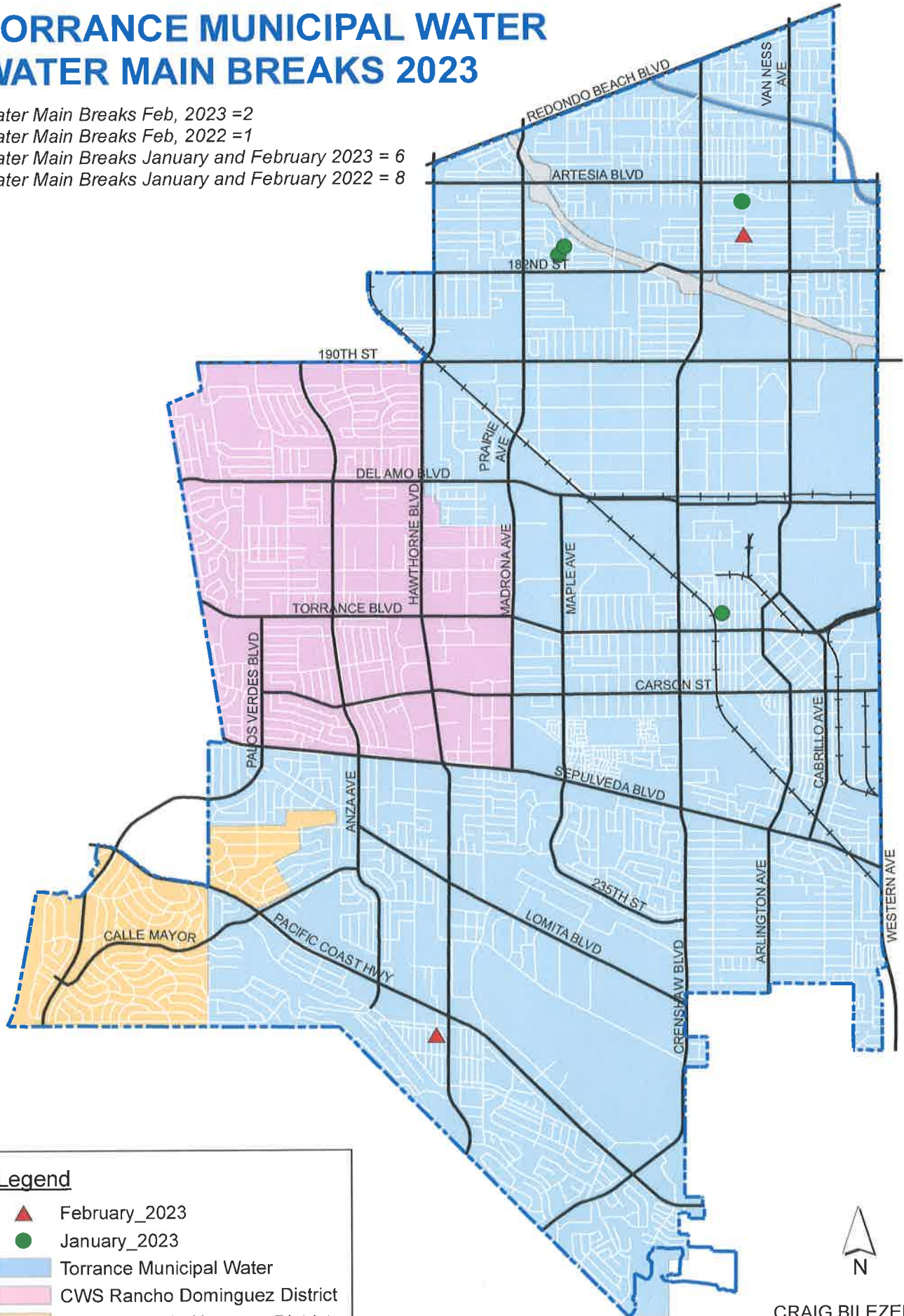
2. There were 2 water main breaks for the month of February 2023, compared to 1 for the same period in 2022. Total main breaks for calendar year 2023 are 6 compared to 8 in 2022.
3. The City Yard Well is back online following a rehabilitation and the Goldsworthy Desalter is now operating at full capacity. WRD continues to work on plans to connect the Brewer Well with the Goldsworthy Desalter.
4. The City began operating the North Torrance Well Field in late February. Staff continues to test and calibrate the control systems as water is introduced into the system.

  
 \_\_\_\_\_  
 Matthew Knapp  
 Deputy Public Works Director - Operations

**Roll Call:** \_\_\_\_\_ Deemer \_\_\_\_\_ Glass \_\_\_\_\_ Kawai \_\_\_\_\_ Masnek  
 \_\_\_\_\_ Mattie \_\_\_\_\_ Siani \_\_\_\_\_ Chairperson Jay

# TORRANCE MUNICIPAL WATER WATER MAIN BREAKS 2023

Water Main Breaks Feb, 2023 = 2  
 Water Main Breaks Feb, 2022 = 1  
 Water Main Breaks January and February 2023 = 6  
 Water Main Breaks January and February 2022 = 8



**Legend**

- ▲ February\_2023
- January\_2023
- Torrance Municipal Water
- CWS Rancho Dominguez District
- CWS Redondo-Hermosa District



CRAIG BILEZERIAN  
PUBLIC WORKS DIRECTOR