

APR 12 1994

9-13



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

*Karen E. Dwyer*  
EXECUTIVE SECRETARY

April 8, 1994

To: Board of Directors (Water Problems Committee--Information)  
From: General Manager  
Subject: Water Supply Update

Report

This water supply update reflects conditions as of April 7, 1994. Attached is Water Supply Update No. 6, which graphically summarizes and supplements the information below.

Colorado River Supplies

Metropolitan has received approval from the Bureau of Reclamation to divert Colorado River water (CRW) as needed at full aqueduct capacity in calendar year (CY) 1994. As such, Metropolitan is planning to divert at least 1.2 million acre-feet of CRW during CY 1994. In the event that consumptive use in the lower basin states exceeds 7.5 million acre-feet, compensation for overuse may be required by the end of 1999 depending on several conditions. For the month of March 1994, Metropolitan diverted 111,300 acre-feet of CRW.

Precipitation and snowpack water content for the Colorado River Basin through April 4, 1994 are 84 percent of normal and 77 percent of the average annual maximum, respectively.

State Water Project Supplies

Currently, under the 50 percent State Water Project (SWP) allocation, 1,036,350 acre-feet of State project water is available for delivery to Metropolitan. This includes 30,600 acre-feet of exchange water for Desert Water Agency and Coachella Valley Water District. If supplies are in excess of need, Metropolitan will notify the Department of Water Resources (DWR) of the quantity of SWP water it is turning back. DWR would use this "turn back water" to either re-allocate to other SWP contractors for use this year, or increase carryover storage for next year. Metropolitan staff has recommended to DWR that it maintain adequate carryover

storage to minimize the potential for a low initial allocation for CY 1995. For the month of March 1994, Metropolitan took delivery of approximately 50,100 acre-feet of State project water.

Precipitation for the Northern Sierra eight-station index through April 4, 1994 was 25.9 inches or 62 percent of average for the season-to-date total. Snowpack water content in the State project watershed as of April 4, 1994 was 55 percent of average. This will likely result in a re-classification of 1994 from a dry year to a critical year by the Department of Water Resources (DWR). As of April 7, 1994, the storage in Lake Oroville was 2,643,800 acre-feet. Total storage in San Luis Reservoir was 1,972,800 acre-feet, with the State portion at 1,026,200 acre-feet.

#### Balance

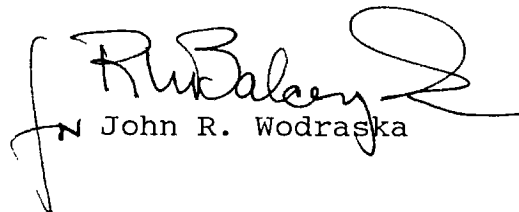
The attached table summarizes the current water supply balance for CY 1994. The demands are based on adjusted member agency estimates. Based upon this level of demands, there is a potential for a 110,000 acre-foot balance in supplies estimated in 1994.

#### Board Committee Assignments

This letter is an information item to the Water Problems Committee because of its authority with regard to policies, sources, and means of importing water required by the District; and policies regarding water conservation, reclamation, reuse, and underground storage of water and the use thereof, pursuant to Administrative Code, Section 2481 (a) and (i).

#### Recommendation

For information only.

  
John R. Wodraska

GBL/sjm  
(S:\WP\SHARED\BOARD\WSUAPR)

Attachments

**CY 1994 WATER SUPPLY AND BALANCE**CY 1994 Supply

Colorado River Aqueduct	1,200,000 AF
State Water Project	1,036,000 AF
System Losses	-36,000 AF
Total Supply	2,200,000 AF

CY 1994 Demand

Projected Use (1) (2)	2,090,000 AF
Balance	110,000 AF

## Notes:

- (1) -- Stage I of IICP effective January 1 to December 31, 1994 and assumes 10-percent conservation.
- (2) -- Projections based on adjusted member agency estimates.

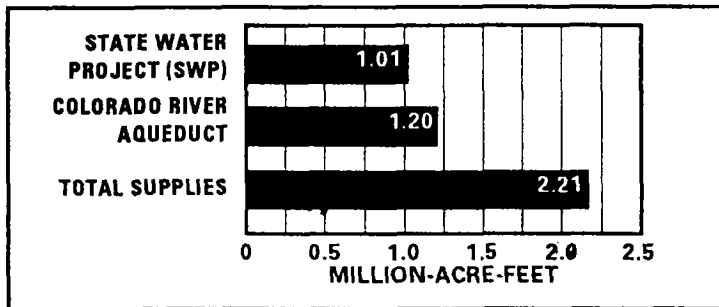
# WATER SUPPLY UPDATE

PUBLISHED BY THE OPERATIONS DIVISION

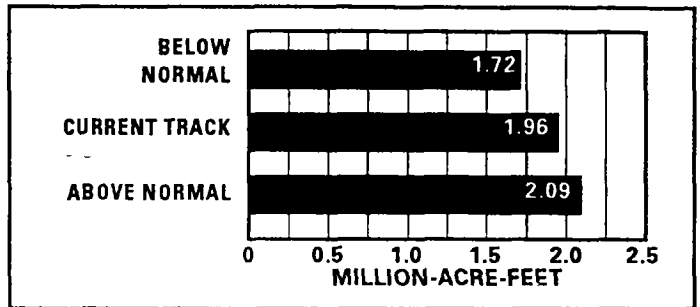
## SUMMARY

Metropolitan's total water supply for CY 1994 is approximately 2.21 MAF. This is comprised of water allocation of 1.01 MAF from the Department of Resources (DWR) and MWD's anticipated use of Colorado River water amounting to at least 1.20 MAF for the year. An analysis of our supply and demand projections indicates that surplus water is available for storage, thus, Seasonal Storage Service (SSS) will be extended through June 30, 1994 to encourage member agencies to store surplus water. Demands could range between 1.72 MAF and 2.09 MAF. The current track is 1.98 MAF. March sales were approximately 128,000 acre-feet. The 12-month running total of sales for April 1993 — March 1994 period is 1,862,031 acre-feet.

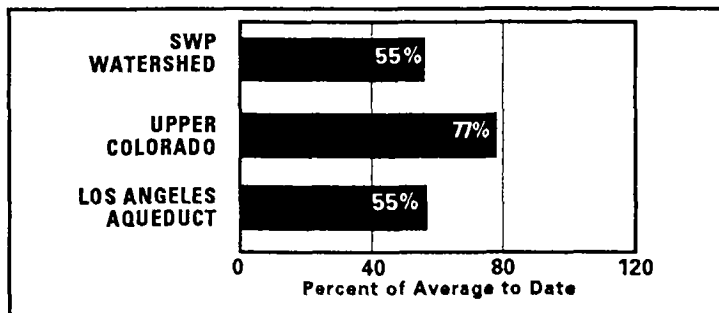
MWD'S 1994 PROJECTED WATER SUPPLIES



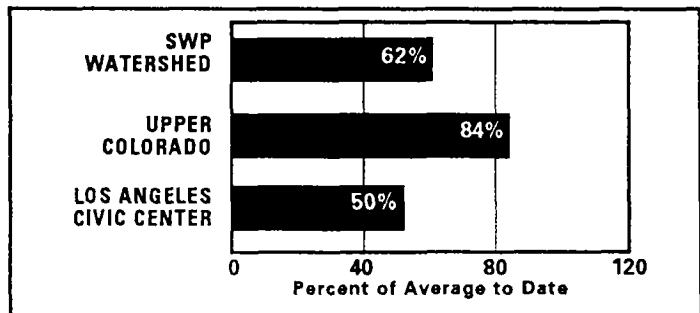
1994 PROJECTED DEMANDS BY MWD MEMBER AGENCIES



SNOWPACK CONDITIONS (ACCUMULATED PACKED SNOW)



PRECIPITATION LEVELS (RAIN AND SNOWFALL)



RESERVOIR STORAGE

