



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

*[Signature]*  
Executive Secretary

February 4, 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 February 3, 1994. Attached is Water Supply Update No. 4, which graphically summarizes and supplements the information below.

Colorado River Supplies

Metropolitan has received approval from the Bureau of Reclamation, subject to certain conditions, 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 January 1994, Metropolitan diverted 110,900 acre-feet of CRW.

State Water Project Supplies

Metropolitan, in a letter to the Department of Water Resources (DWR) dated September 22, 1993, requested 2,072,700 acre-feet of State project water for CY 1994. This amount represents the entitlements of Metropolitan and those of Desert Water Agency and Coachella Valley Water District (DWCV) under our exchange program. On December 9, 1993, DWR announced initial contractor approvals at 50 percent of adjusted requests. This resulted in an initial 1994 allocation of 717,500 acre-feet for Metropolitan, including DWCV's entitlements. This amount was over 300,000 acre-feet less than what Metropolitan should have been allocated if a strict 50 percent allocation of "Table A" requests were made. As a result of intensive discussions, DWR rescinded the original 1994 allocation of State project entitlement water, and substituted a 50 percent allocation of the "Table A" requests

for each contractor. Thus, Metropolitan's revised allocation is now 1,005,750 acre-feet and is in compliance with the State Water Project contract. Including DWCV's allocation, Metropolitan's total 1994 allocation is 1,036,000 acre-feet. The contractors will evaluate the need for State project water as the year progresses and will notify DWR of any reductions appropriately. For the month of January 1994, Metropolitan took delivery of 38,900 acre-feet of State project water.

Precipitation for the Northern Sierra eight-station index through January 31, 1994 was 16.8 inches or 62 percent of average for the season-to-date total. Snowpack water content in the State project watershed was at 65 percent of average. As of February 2, 1994, the storage in Lake Oroville was 2,411,000 acre-feet. Total storage in San Luis Reservoir was 2,032,000 acre-feet, with the State portion at 1,069,000 acre-feet.

#### 1994 Water Supply Balance

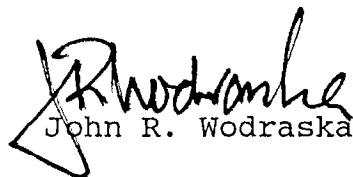
The attached table summarizes the current water supply balance for CY 1994. The demands represent the 90 percentile level of projections. Currently, there is a potential 70,000 acre-foot shortfall in supplies estimated to be available to Metropolitan in 1994.

#### 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

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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)	2,270,000 AF
 Potential 1994 Shortfall (3)	 70,000 AF

### Notes:

- (1) -- Stage I of IICP effective January 1 to December 31, 1994 and assumes 10 percent conservation.
- (2) -- Projections based on the 90 percentile demand level and were obtained from the Planning Division.
- (3) -- Shortage is based on continued dry conditions and 90 percentile demand level. Should normal precipitation occur for the remainder of the year, a potential 100,000 to 200,000 acre-feet of State project water may be available for "turn-back" to DWR.

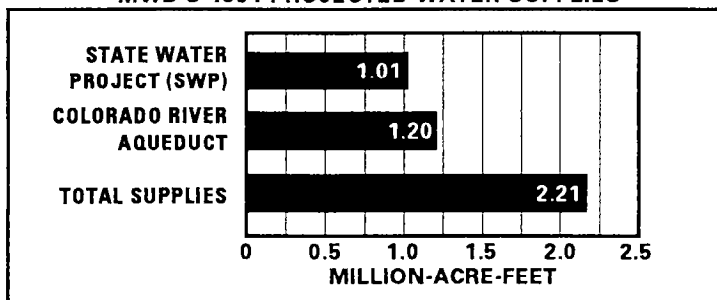
# WATER SUPPLY UPDATE

PUBLISHED BY THE OPERATIONS DIVISION

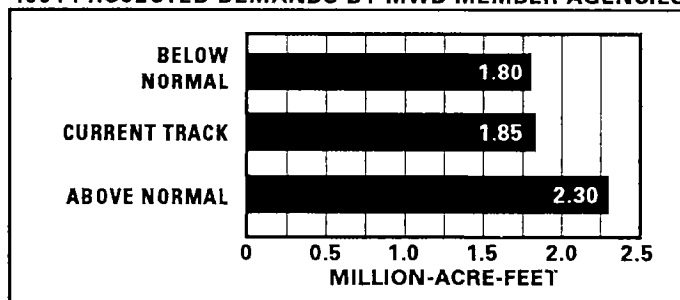
## SUMMARY

MWD's projected water supply for CY 1994 has just increased from 1.92 million acre-feet (MAF) to 2.21 MAF. This is a result of the change made by the Department of Water Resources (DWR) in our 1994 allocation of State project entitlement, which is now 50 percent of our initial request. The Bureau of Reclamation has approved Metropolitan's full request for Colorado River water, and Metropolitan plans to use at least 1.2 MAF. January sales amounted to approximately 145,000 acre-feet. Thus far this winter, no major storms have occurred in the State Project, Upper Colorado and Los Angeles Aqueduct watersheds, however, snowpack and precipitation conditions have improved slightly over the past month.

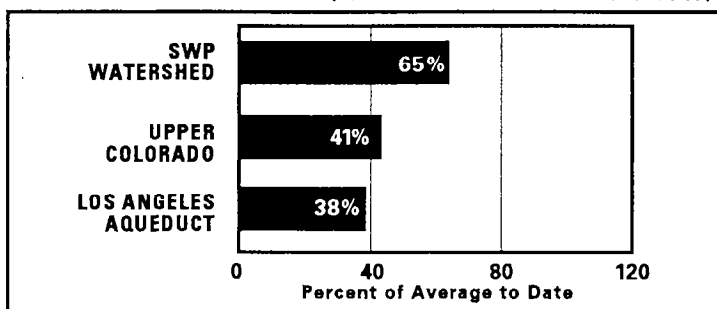
MWD'S 1994 PROJECTED WATER SUPPLIES



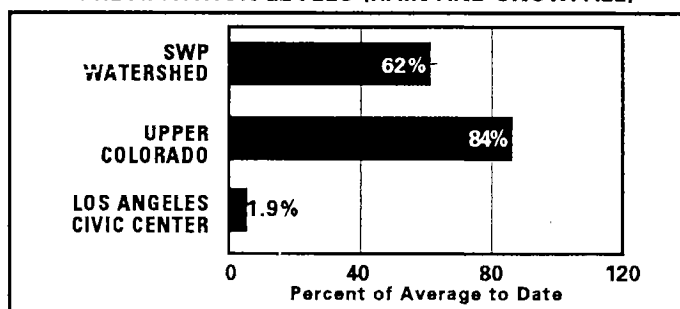
1994 PROJECTED DEMANDS BY MWD MEMBER AGENCIES



SNOWPACK CONDITIONS (ACCUMULATED PACKED SNOW)



PRECIPITATION LEVELS (RAIN AND SNOWFALL)



RESERVOIR STORAGE

