



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

9-12

January 7, 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 January 6, 1994. Attached is Water Supply Update No. 3, 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 CY 1993, Metropolitan diverted 1,208,000 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. The adjusted requests are based on the maximum yearly amount used by certain contractors since 1980. This results in an initial 1994 allocation of 717,500 acre-feet for Metropolitan, including DWCV's entitlements. This method

of allocation is under protest by Metropolitan. San Luis Reservoir State project storage was at the full capacity of 1,062,000 acre-feet on December 31, 1993. Consequently, no carryover of unused 1993 entitlement water will be available to the contractors in 1994. For CY 1993, Metropolitan took delivery of an estimated 713,000 acre-feet of State project water, including 61,000 acre-feet of exchange water delivered to DWCV, 115,000 acre-feet of 1992 carryover water delivered to Metropolitan, and 50,000 acre-feet of 1992 carryover water delivered under agreement with the Semitropic Water Storage District, a State project contractor in Kern County.

Precipitation for the Northern Sierra eight-station index through January 3, 1994 was 12.9 inches or 68 percent of average for the season-to-date total. Snowpack water content in the State project watershed was at 55 percent of average. As of January 5, 1994, the storage in Lake Oroville was 2,419,000 acre-feet. Total storage in San Luis Reservoir was 2,014,000 acre-feet, with the State portion at 1,062,000 acre-feet.

1994 Water Supply Balance

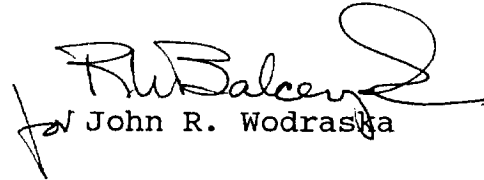
The attached table summarizes the current water supply balance for CY 1994. The projected demands are based on adjusted information received from our member agencies. Currently, there is a potential 78,000 acre-foot shortfall in supplies estimated to be available to Metropolitan in 1994.

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.


for 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	717,000 AF
System Losses	-36,000 AF
 Total Supply	 1,881,000 AF

CY 1994 Demand

Projected Use (1) (2)	1,959,000 AF
Projected 1994 shortage (3)	78,000 AF

Notes:

- (1) -- Stage I of IICP effective January 1 to December 31, 1994 and assumes 10 percent conservation.
- (2) -- Projections based on adjusted estimates obtained from the member agencies and includes 61,200 acre-feet of delivery to DWCV.
- (3) -- Shortage could be as high as approximately 400,000 acre-feet under an above normal demand year for CY 1994.

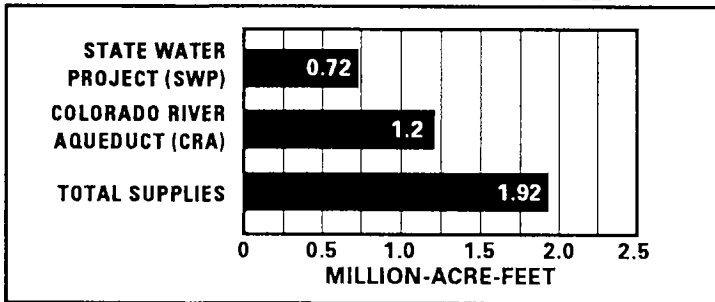
WATER SUPPLY UPDATE

PUBLISHED BY THE OPERATIONS DIVISION

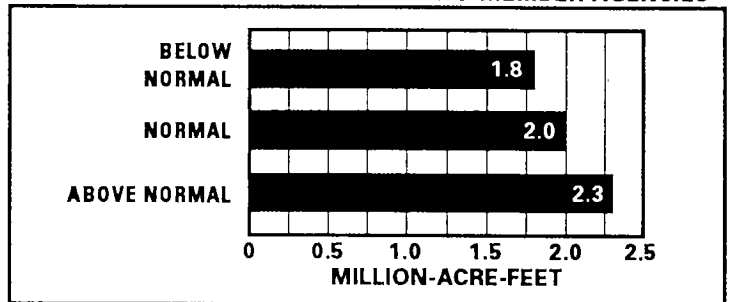
SUMMARY AND FORECAST

December sales amounted to 130,000 acre-feet (AF), which were 36,000 AF less than last year's December sales. Total sales for CY 1993 were 1.8 million acre-feet (MAF). MWD's water supplies for CY 1994 are projected to be at least 1.92 MAF, with SWP supplies amounting to 0.72 MAF and projected CRA diversions at 1.2 MAF. San Luis Reservoir (State share) is presently full. Snowpack and precipitation conditions are slightly improving in the State Project, Upper Colorado and Los Angeles Aqueduct watersheds.

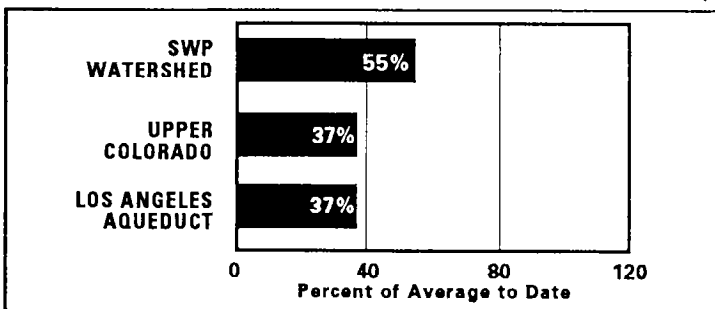
MWD'S 1994 PROJECTED WATER SUPPLIES



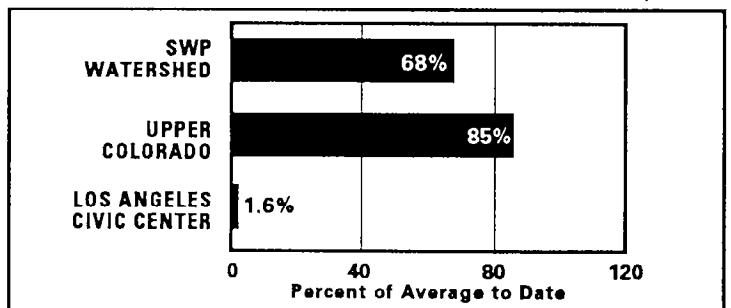
1994 PROJECTED DEMANDS BY MWD MEMBER AGENCIES



SNOWPACK CONDITIONS (ACCUMULATED PACKED SNOW)



PRECIPITATION LEVELS (RAIN AND SNOWFALL)



RESERVOIR STORAGE

