



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

MAY 10 1994

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Karen E. Duff
EXECUTIVE SECRETARY

May 6, 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 May 5, 1994. Attached is Water Supply Update No. 7, 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. Preliminarily, for the month of April 1994, Metropolitan diverted 105,900 acre-feet of CRW.

Precipitation and snowpack water content for the Colorado River Basin through May 3, 1994 was 92 percent of normal and 71 percent of the average annual maximum, respectively.

State Water Project Supplies

Under the current 50-percent State Water Project (SWP) allocation, 1,036,350 acre-feet of State project water was made available for delivery to Metropolitan in CY 1994. This includes 30,600 acre-feet of Desert Water Agency and Coachella Valley Water District exchange water. After careful analysis of projected supply requirements, Metropolitan in a letter to the Department of Water Resources (DWR) dated April 15, 1994, turned back 50,000 acre-feet of this

allocation. Metropolitan may notify DWR of additional SWP water available for turn back if projected demands are lower.

In anticipation of the potential for very poor SWP supplies in 1995, Metropolitan, along with six other urban state water contractors, has recommended to DWR that no increase in allocations be made during 1994. The recommendation was made so that the contractors can be assured of having at least 500,000 acre-feet of carryover storage in San Luis on December 1, 1994. For the month of April 1994, Metropolitan took delivery of approximately 82,100 acre-feet of State project water.

Precipitation for the Northern Sierra eight-station index through May 2, 1994 was 28.7 inches or 63 percent of average for the season-to-date total. Snowpack water content in the State project watershed as of May 2, 1994 was 30 percent of average. This classifies 1994 as a critical year according to DWR. As of May 4, 1994, the storage in Lake Oroville was 2,605,000 acre-feet. Total storage in San Luis Reservoir was 1,769,000 acre-feet, with the State portion at 925,000 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 143,000 acre-foot balance in supplies estimated in 1994.

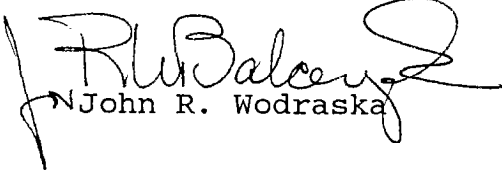
Board Committee Assignments

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

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Attachments

CY 1994 WATER SUPPLY AND BALANCE

CY 1994 Supply

| | |
|-------------------------|--------------|
| Colorado River Aqueduct | 1,200,000 AF |
| State Water Project | 986,000 AF |
| System Losses | -36,000 AF |
| Total Supply | 2,150,000 AF |

CY 1994 Demand

| | |
|-----------------------|--------------|
| Projected Use (1) (2) | 2,007,000 AF |
| Balance | 143,000 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.

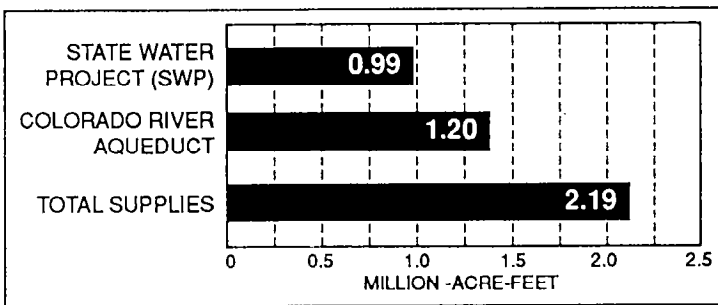
WATER SUPPLY UPDATE

PUBLISHED BY THE OPERATIONS DIVISION

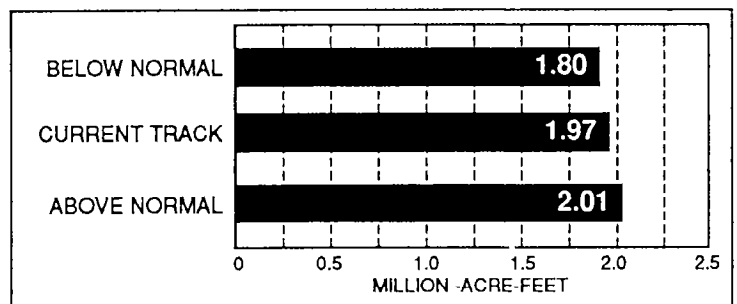
SUMMARY

With the 50,000 acre-feet turned back to the State Water Project, Metropolitan's total water supply for 1994 is approximately 2.19 MAF. This consists of 1.20 MAF of Colorado River water and 0.99 MAF of State Project water. Additional State Project water may be available for turn back at a later date if demands fall below current projections. The current track for projected demands is 1.97 MAF for 1994. This may increase significantly, should more member agencies take advantage of the extended Seasonal Storage program, which is available through June 30, 1994. Also, additional participation in the Cooperative Storage program could result in deliveries in excess of those currently projected. Sales for April were approximately 179,000 acre-feet. Snowpack and precipitation conditions are significantly below average in both the State Project watershed and the Upper Colorado River Basin.

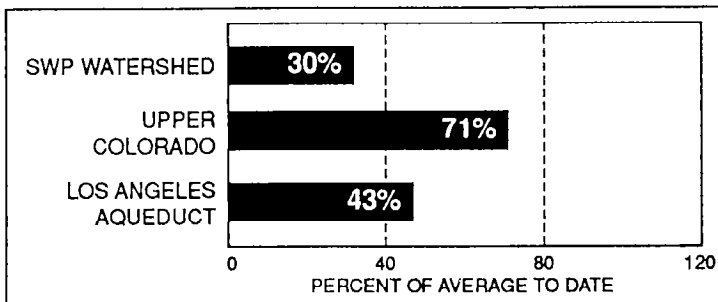
MWD'S 1992 FIRM WATER SUPPLIES



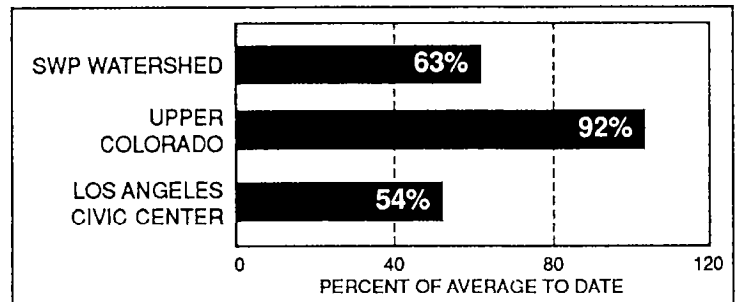
1994 PROJECTED DEMANDS BY MWD MEMBER AGENCIES



SNOWPACK CONDITIONS (ACCUMULATED PACKED SNOW)



PRECIPITATION LEVELS (RAIN AND SNOWFALL)



RESERVOIR STORAGE

