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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Barry E. Duff
EXECUTIVE SECRETARY

January 9, 1995

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

Report

This water supply update reflects current conditions. Attached is Water Supply Update No. 4, which graphically summarizes and supplements the information below.

Colorado River Supply

Approval has been received from the Bureau of Reclamation (Reclamation) to divert Colorado River water (CRW) as needed in calendar year (CY) 1995. It is currently projected that at least 1.2 million acre-feet of CRW will be diverted by Metropolitan. As in recent years, California will be permitted to use water apportioned to, but unused by Arizona and Nevada. Should consumptive use in the Lower Division States exceed 7.5 million acre-feet in 1995, compensation for overuse of such water may be required from any state exceeding its apportionment.

As of January 4, 1995, the flow-weighted average precipitation and snowpack measurements in the Upper Colorado River Basin (above Lake Powell) were 93 percent and 89 percent of normal, respectively.

State Water Project Supply

On December 8, 1994, the Department of Water Resources (DWR) announced initial approval of 40 percent of contractors' requests for delivery in 1995. For Metropolitan, this results in an initial allocation of 829,080 acre-feet, which includes the allocations of Desert Water Agency and the Coachella Valley Water District (DWCV). As with previous years, this initial allocation is expected to change as the water year progresses, and could decrease should the projected supply not materialize. Through January 3, the project watershed precipitation was 91 percent of normal for the date. Changes in the State project allocations are not anticipated to be made by DWR before February, and the final allocations for the year will not be made until May.

For CY 1994, Metropolitan took delivery of 845,000 acre-feet of State project water. The approved allocation was 943,000 acre-feet. In accordance with the November 22, 1994 policy of DWR, Metropolitan will request that the unused 98,000 acre-feet be carried over and delivered to Metropolitan during CY 1995.

As of January 5, 1995, the storage in Lake Oroville was 1,670,000 acre-feet. Total storage in San Luis Reservoir was 1,264,300 acre-feet, with the State share of the storage at 735,700 acre-feet.

Water Supply and Demand Balance

To determine the total supply/demand balance, it is assumed this early in the year that 1.2 million acre-feet will be pumped from the Colorado River. Therefore, Metropolitan's CY 1995 combined Colorado River and State Water Project supplies (including the DWCV allocations and 1994 carryover) total 2.13 million acre-feet, compared to a projected demand of 2.0 million acre-feet. With a projected positive balance, and assuming that the State project allocation does not decrease, it appears that Metropolitan will be able to meet all anticipated demands in CY 1995.

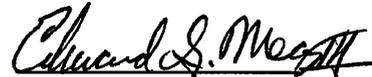
With the currently approved State project allocation of 40 percent, Seasonal Storage Service deliveries will continue through at least February. Given recent storm activity in the State project watershed, it is considered highly likely that allocations from the project will be increased by DWR in February, and that Seasonal Storage Service could be continued through April. Staff will continue to monitor the potential for any changes in the State project's anticipated supply that will affect the availability of Seasonal Storage Service.

The attached Figure 1 and Table 1 summarize the projected water supply balance for CY 1995. The projected demands are based on adjusted information received from our member agencies. Based upon the projected supplies and demands, coupled with Metropolitan's available water management programs, no need for rationing in CY 1995 is foreseen at this time.

Recommendation

For information only.

John R. Wodraska
General Manager



E. G. Means III
Chief of Operations

Concur:



John R. Wodraska
General Manager

RGF/sjm

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Attachments

TABLE 1
CY 1995 WATER SUPPLY AND DEMAND BALANCE

CY 1995 Supply

Colorado River Aqueduct	1,200,000 AF
40% State Project Water Allocation	829,000 AF
SPW Carryover from CY 1994	98,000 AF
Local Projects (1)	20,000 AF
Other (2)	23,000 AF

Total Supply	2,170,000 AF
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Projected CY 1995 Demands

Projected Use (3) (4)	2,007,000 AF
Net to Storage (5)	5,000 AF
System Losses	36,000 AF

Total Projected Deliveries	2,048,000 AF
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Balance

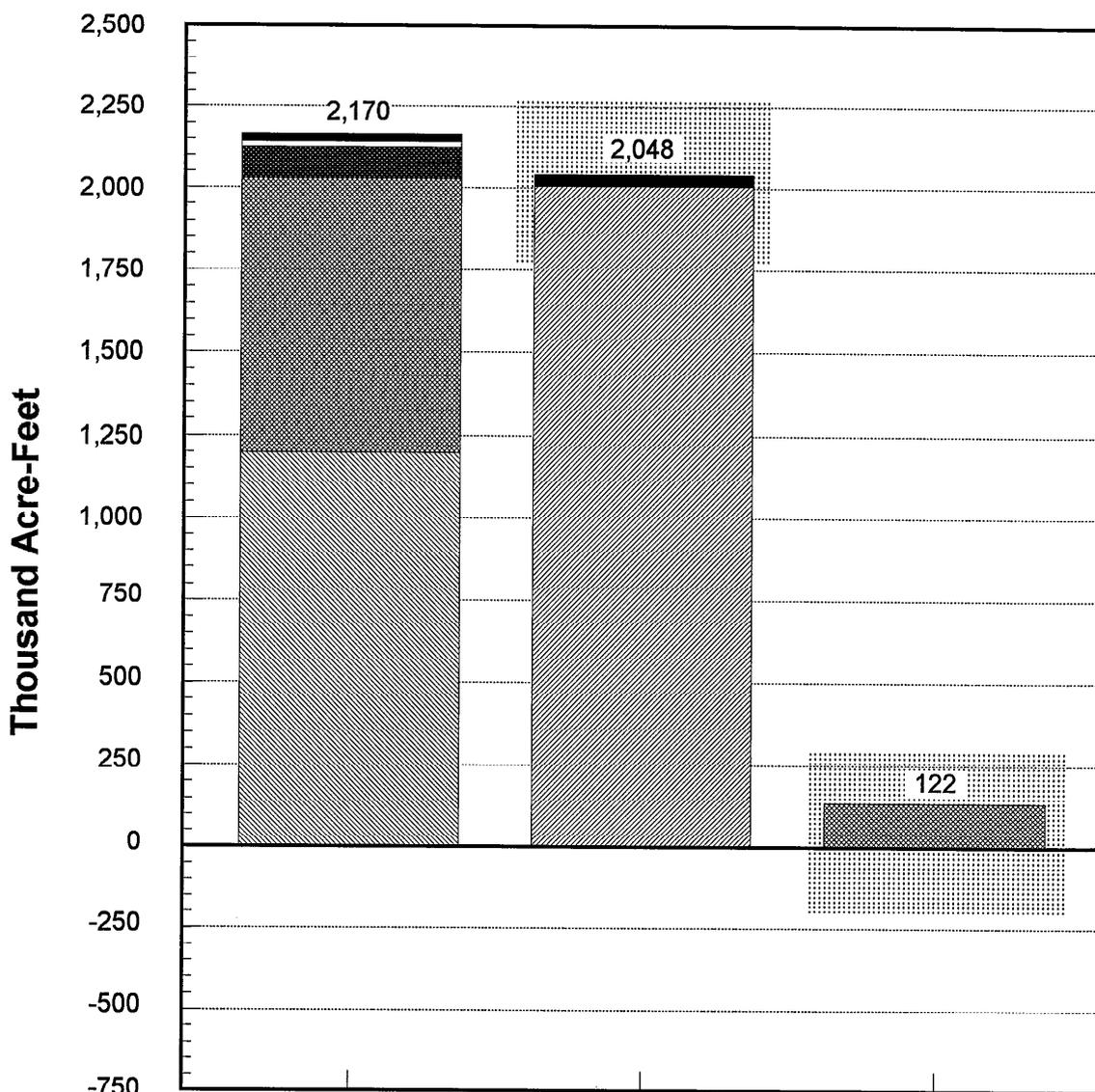
Supplies-Demands =	122,000 AF
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Notes:

- (1) -- Does not include Arlington Desalter, West Basin Desalter or other non-sale Local Project projections.
- (2) -- Includes advance deliveries to LADWP for exchange during West Branch Shutdown and San Gabriel Valley MWD exchange.
- (3) -- Assumes 10 percent voluntary conservation.
- (4) -- Includes Local Project Sales
- (5) -- Includes surface reservoirs.

FIGURE 1

SUPPLY AND DEMAND BALANCE FOR CALENDAR YEAR 1995 WITH ANTICIPATED CRA DIVERSIONS



Supply

- Local Projects
- Net From Storage
- SPW Carryover
- SPW Allocation
- CRW

Demand

- System Losses
- Projected Requirement
- Potential Range

Balance

- Surplus / Shortage
- Potential Range



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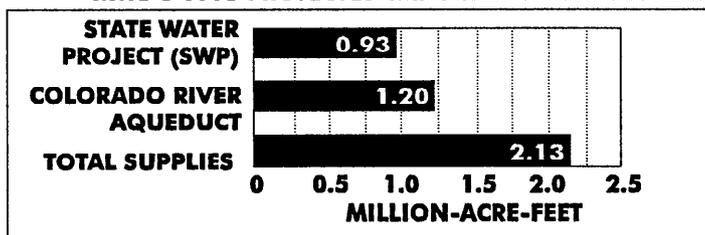
WATER SUPPLY UPDATE

PUBLISHED BY THE OPERATIONS DIVISION

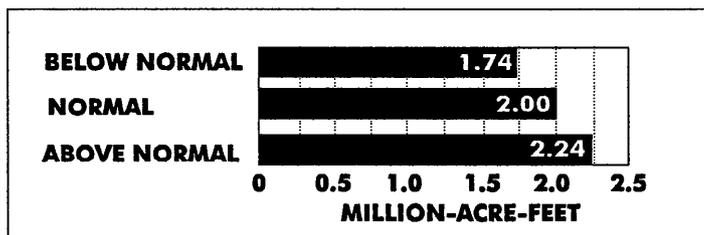
SUMMARY

With an initial 1995 State project water allocation of 829,080 acre-feet (AF), combined with at least 1.2 million-acre-feet (MAF) of Colorado River water and an estimated 98,000 AF of 1994 State project carryover water, Metropolitan expects to meet all of its imported water demands during calendar year 1995. Pending monthly review of the water supply conditions, Seasonal Storage deliveries will continue through February. Recent storms are likely to permit deliveries to continue through April, though this determination will not be made until the State project allocation is increased above 40 percent.

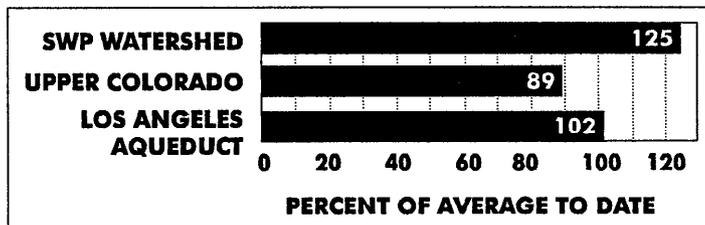
MWD'S 1995 PROJECTED IMPORTED WATER SUPPLIES



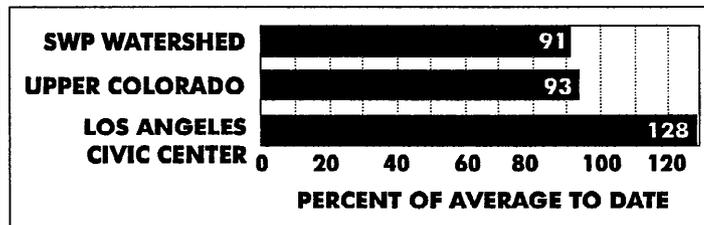
1995 PROJECTED DEMANDS BY MWD MEMBER AGENCIES



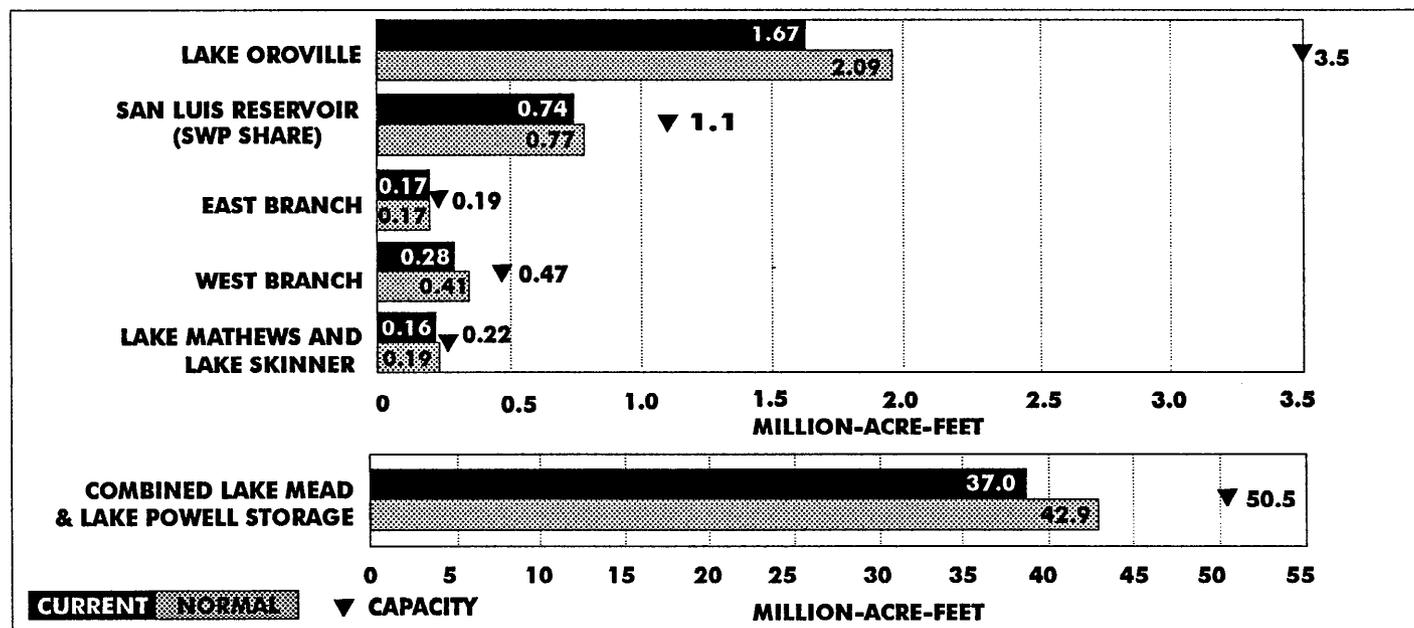
SNOWPACK CONDITIONS (ACCUMULATED PACKED SNOW)



PRECIPITATION LEVELS (RAIN AND SNOWFALL)



RESERVOIR STORAGE





MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

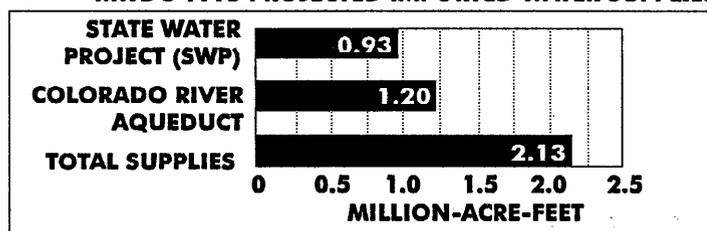
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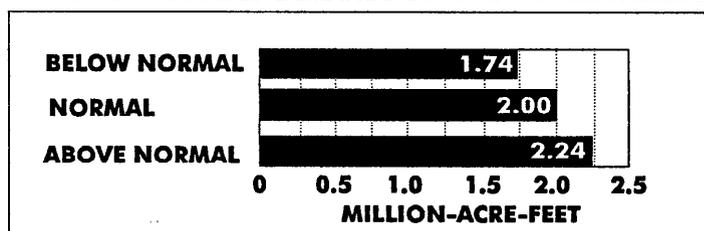
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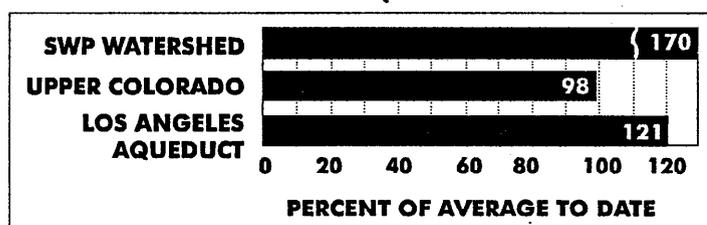
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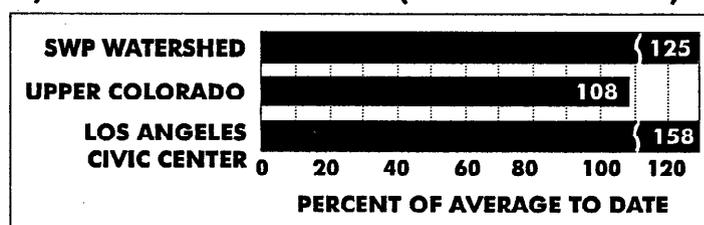
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