



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

**FEB 14 1995**

*Barbara E. Deff*  
EXECUTIVE SECRETARY

February 10, 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. 5, which graphically summarizes and supplements the information below. This will be the last water supply update for this water year.

### **Colorado River Supply**

The 1995 Annual Operating Plan (AOP) for the Colorado River system reservoirs has been transmitted by the Secretary of the Interior to the Governors of the Colorado River Basin States. Under the 1995 AOP, Metropolitan will be allowed to utilize water apportioned to, but unused by, Arizona and Nevada. Metropolitan will be allowed to divert Colorado River water (CRW) as needed in calendar year (CY) 1995. It is currently projected that Metropolitan could divert as much as 1.2 million acre-feet of CRW. Should net diversions in the Lower Division States exceed 7.5 million acre-feet in 1995, compensation for overuse will be required during the first year of a determined shortage (unless a surplus/shortage strategy which provides otherwise is agreed to by July 1995). The need for compensation would be eliminated if a surplus determination or a flood control release is made.

As of February 9, 1995, the flow-weighted average precipitation and snowpack measurements in the Upper Colorado River Basin (above Lake Powell) were 96 percent and 92 percent of normal, respectively.

### **State Water Project Supply**

On January 26, 1995, the Department of Water Resources increased the entitlement allocation of all water service contractors to 100 percent. The allocation was increased due to decreased project demands caused by the heavy January rainfall, and the availability of supplemental supplies. For CY 1995, Metropolitan has reduced its request to 1,211,000 acre-feet, which includes the allocations of Desert Water Agency and the Coachella Valley Water District (DWCV) and 1994 carryover water. Through February 6, 1995, the project watershed precipitation was 156 percent of normal for the date. January precipitation was 307 percent of normal. For the water year, several of the State's rain gauge stations have already exceeded their historical season totals. These include stations at Oroville Dam, Silverwood Lake, Lake Perris, Pyramid Lake, and Castaic Lake.

As of February 9, 1995, the storage in Lake Oroville was 2,718,000 acre-feet (77 percent of capacity). Total storage in San Luis Reservoir was 1,896,000 acre-feet (93 percent of capacity), with the State share of the storage at 1,131,000 acre-feet.

### **Water Supply and Demand Balance**

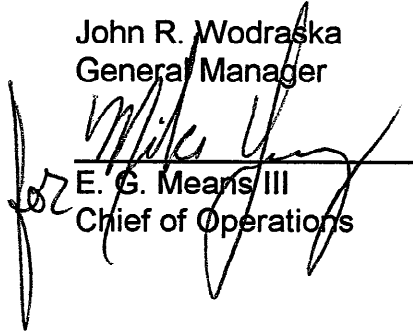
To determine the total supply/demand balance, it is assumed this early in the year that 1.2 million acre-feet will be diverted from the Colorado River. Therefore, Metropolitan's CY 1995 combined Colorado River and State Water Project supplies (including the DWCV allocations and 1994 carryover) total 2.41 million acre-feet, compared to a projected demand of 1.6 to 1.9 million acre-feet. For the purposes of this report it is assumed that demands will be 1.66 MAF. Projected demands are based on adjusted information received from our member agencies. As with demands placed on the State Water Project, Metropolitan's projected demands for CY 1995 have been reduced as a result of the abundance of local and supplemental supplies and the continuing rainfall. The watershed for the City of Los Angeles' aqueduct system has 192 percent of normal snowpack as of February 8, 1995, and they anticipate to be able to import over 1.5 times the volume of water they imported in 1994. Metropolitan expects to meet all anticipated demands in CY 1995. Seasonal Storage Service deliveries will continue through April.

The attached Figure 1 and Table 1 summarize the projected water supply balance for CY 1995.

**Recommendation**

For information only.

John R. Wodraska  
General Manager



for  
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
State Project Water Allocation	1,161,000 AF
SPW Carryover from CY 1994	50,000 AF
Local Projects (1)	20,000 AF
Other (2)	62,000 AF

Total Supply	2,493,000 AF
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Projected CY 1995 Demands

Projected Use (3) (4)	1,655,000 AF
Net to Storage (5)	50,000 AF
System Losses	36,000 AF

Total Projected Deliveries	1,741,000 AF
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Balance

Supplies-Demands =	752,000 AF
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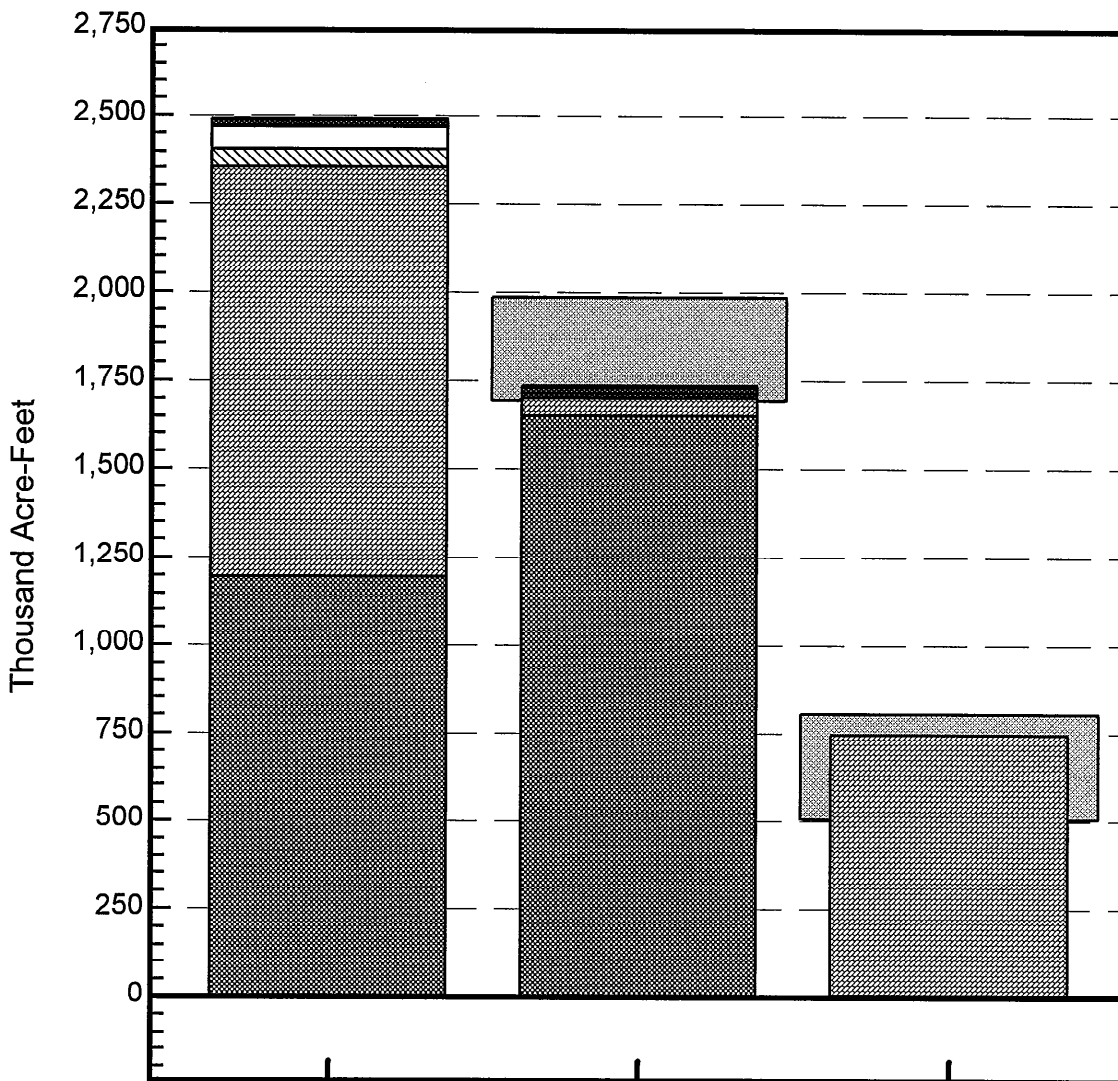
Notes:

- (1) -- Does not include Arlington Desalter, West Basin Desalter or other non-sale Local Project projections.
- (2) -- Includes deliveries from LADWP during West Branch Shutdown.
- (3) -- Assumes 10 percent voluntary conservation.
- (4) -- Includes Local Project Sales
- (5) -- Includes surface reservoirs.

Figure 1

# SUPPLY AND DEMAND BALANCE FOR CALENDER YEAR 1995

WITH ANTICIPATED CRA DIVERSIONS



**Supply**  
*Total: 2,493,000 AF*

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

**Demand**  
*Total: 1,741,000 AF*

- System Losses
- Net to Storage
- Projected Requirement
- Potential Range

**Balance**  
*Total: 752,000 AF*

- Surplus / Shortage
- Potential Range



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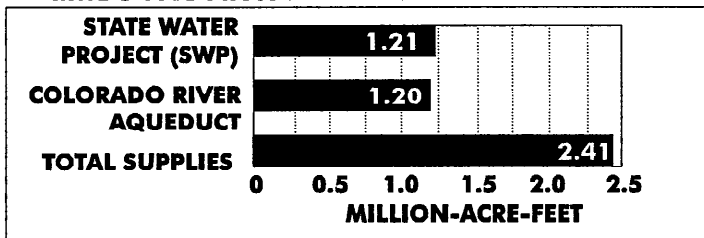
# WATER SUPPLY UPDATE

PUBLISHED BY THE OPERATIONS DIVISION

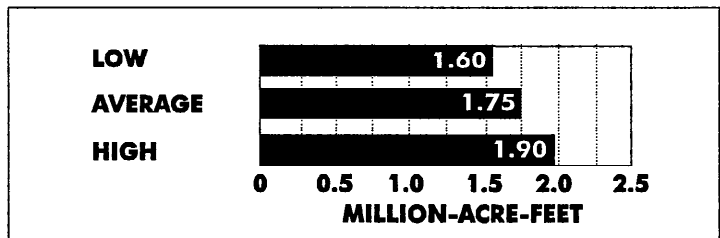
## SUMMARY

Based on a revised total State Water project demand estimate of 3.2 million-acre-feet (MAF) and the record storms that occurred in January, the Department of Water Resources increased the entitlement allocation of all water service contractors to 100 percent. Metropolitan will have available about 1.2 MAF of State Project water this calendar year. With reduced demand projections from our member agencies coupled with the continued availability of at least 1.2 MAF of Colorado River water, Metropolitan expects to meet all of its imported water demands for the year. Seasonal Storage deliveries will continue through April. This will be the last update for the water year.

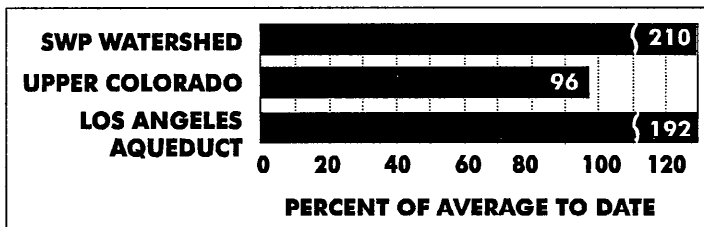
**MWD'S 1995 PROJECTED IMPORTED WATER SUPPLIES**



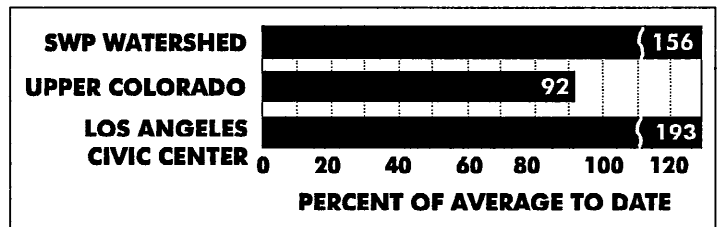
**1995 PROJECTED DEMANDS BY MWD MEMBER AGENCIES**



**SNOWPACK CONDITIONS (ACCUMULATED PACKED SNOW)**



**PRECIPITATION LEVELS (RAIN AND SNOWFALL)**



**RESERVOIR STORAGE**

