

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

May 6, 1993

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 3, 1993. It also represents the final water supply update for this season. The Water Supply Update Board letters are expected to resume in late fall of this year as the supply begins to develop for next year.

### Colorado River Supplies

Metropolitan has received approval from the Bureau of Reclamation to divert Colorado River water (CRW) at full aqueduct capacity in calendar year (CY) 1993. It is projected that 1,208,000 acre-feet of CRW will be diverted.

### State Water Project Supplies

Metropolitan, in consultation with the Department of Water Resources (DWR), has developed an estimate of CY 1993 water-delivery requirement of 1,232,000 acre-feet from the State Water Project (SWP). This consists of 1,006,000 acre-feet of Metropolitan's CY 1993 SWP entitlement water, 165,000 acre-feet of CY 1992 carryover water, including 50,000 acre-feet for the Semitropic/Metropolitan Water Storage/Exchange Program, and 100 percent of CY 1993 entitlement water approved for delivery to Desert Water Agency and Coachella Valley Water District as exchange water. With Metropolitan's above estimate of CY 1993 water-delivery requirements from the SWP and continued above-average rain and snowfall in the SWP watershed, DWR increased the SWP entitlement water delivery approvals on April 16, 1993 to 100 percent of requests.

Metropolitan took delivery of 47,000 acre-feet of SWP water in April, and a total of 136,000 acre-feet since January 1, 1993.

Precipitation for the Northern Sierra eight-station index was 58 inches or 127 percent of average for the season-to-date total. Snowpack water content in the State project watershed was at 130 percent of average as of May 3, 1993. As of May 1, 1993, the storage in Lake Oroville was 3,298,000 acre-feet. Total storage in San Luis Reservoir was 1,932,000 acre-feet, with the State portion at 1,040,000 acre-feet.

#### 1993 Water Supply Balance

The attached table summarizes the current water supply balance for CY 1993. The projected demands are based on adjusted information received from our member agencies. These figures are based on the assumption that Stage I of the Incremental Interruption and Conservation Plan will be in effect for the remainder of CY 1993. Currently, there is a potential 540,000 acre-foot balance in supplies estimated to be available to Metropolitan in 1993. It is anticipated that a portion of this water will be allocated for cyclic groundwater storage, member agency exchange purposes, extended seasonal storage service, the proposed demonstration long-term replenishment program, as well as that already stored under the Semitropic program.

#### 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 General Manager

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Attachment

## CY 1993 WATER SUPPLY AND BALANCE

### CY 1993 Supply

Colorado River Aqueduct	1,208,000 AF
State Water Project (1)	1,232,000 AF
System Losses	-50,000 AF
 Total Supply	 2,390,000 AF

### CY 1993 Demand

Projected Use (2) (3) (4)	1,850,000 AF
 Projected 1993 Balance (5)	 540,000 AF

### Notes:

- (1) -- Includes delivery of 165,000 acre-feet of 1992 carryover water, 50 percent of Metropolitan's 1993 request, and 100 percent of DWCV's 1993 request.
- (2) -- Stage I effective January 1 to December 31, 1993 and assumes 10 percent conservation.
- (3) -- Includes Discretionary Pool Deliveries and purchases from cyclic storage.
- (4) -- Projections based on adjusted estimates obtained from the member agencies, and actual sales through February.
- (5) -- Balance likely to be used by a combination of:
  - an increase in cyclic groundwater storage deliveries;
  - 1993 Demonstration Local Storage Program with the member agencies;
  - potential delivery to Desert Water Agency and Coachella Valley Water District exchange program;
  - continuation of seasonal storage service deliveries; and
  - implementation of Semitropic and/or other programs.