



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Dora E. Duff
Executive Secretary

May 4, 1992

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 1, 1992.

Colorado River Supplies

Metropolitan has received approval from the Bureau of Reclamation to divert Colorado River water (CRW) at full aqueduct capacity in 1992. It is projected that about 1,211,000 acre-feet of CRW will be diverted during the calendar year (CY). This amount is lower than earlier projections due to reduced flows during February and March for discharge valve repair and a complete shutdown of the Colorado River Aqueduct for maintenance and facility improvements which occurred during the last 10 days of April. For the month of April, approximately 67,000 acre-feet of water was diverted.

State Water Project Supplies

As a result of rainfall in the State project watershed during the months of February and March, the Department of Water Resources (DWR) increased the approved 1992 State project contractors' delivery amounts to 45 percent of requests. For Metropolitan, this amounts to 845,000 acre-feet, including entitlements of Desert Water Agency and Coachella Valley Water District. In addition, we have requested the carryover of 116,000 acre-feet of 1991 carryover water. This brings our total State project allocation to 961,000 acre-feet for CY 1992. However, DWR has thus far approved only 60,000 acre-feet of the carryover request. It is anticipated that resolution of the remaining carryover water will occur by May 15, 1992.

Precipitation in the State Water Project watershed during April was about 64 percent of average. This resulted in a seasonal precipitation level of 74 percent of normal. Snowpack conditions in the Northern Sierra have declined to about 30 percent of average due to dry and unseasonably warm weather. These conditions led to earlier snowmelt than normal

and much of this runoff became part of required delta outflow in April. The April 1, 1992 median runoff forecast for the Sacramento River Index (SRI) was 9.5 million acre-feet. It is anticipated that due to the deteriorating snowpack and below-normal precipitation in April, the May 1 median SRI forecast will decline to about 9.1 million acre-feet. No increase in State project delivery approvals is expected in the near future. However, your Board will be advised should changes in water supply allocations for the State Water Project (SPW) occur.

1992 Water Supply Balance

Table 1 summarizes the current water supply balance for CY 1992. The projected demands reflect the action taken at the special meeting of your Board on March 27, 1992, reducing the stage of the Incremental Interruption and Conservation Plan from Stage III to Stage I effective April 1, 1992. The demand projection and the anticipated firm supply allocation of State project water and CRW in 1992 indicates sufficient supplies exist to meet projected 1992 demands.

The actual amount of any 1992 surplus or deficit will depend on member-agency demands during the year as well as final amounts of SPW allocated in 1992. Metropolitan has finalized an option for 10,000 acre-feet of water from a 1992 Water Bank. This supply should be available for use in 1992 if we elect to exercise the option. If we do not take delivery of the available water in 1992, we could carry it over until 1995, if SWP storage space exists.

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 Carl Boronkay

AIB:jp

Attachment

TABLE 1
1992 Water Supply and Balance

1992 Supply

Colorado River Aqueduct	1,211,000 AF
State Water Project (1)	<u>961,000 AF</u>
Total	2,172,000 AF

1992 Demand

IICP Target (2) (3)	2,117,000 AF
Cyclic/Other Storage	25,000 AF
Distribution System Losses	<u>30,000 AF</u>
Total	2,172,000 AF

1992 Projected Supply Deficit (0 AF)

Notes:

- (1) -- Includes 116,000 acre-feet of 1991 carryover water and DWCV entitlements.
- (2) -- Stage V effective January 1 to February 29, 1992.
- Stage III effective March 1 to 31, 1992.
- Stage I effective April 1 to December 31, 1992 and assumes 10 percent conservation.
- (3) -- Includes Discretionary Pool Deliveries.