

- **Board of Directors**
Water Planning, Quality and Resources Committee

May 11, 2004 Board Meeting

10-5

Subject

Water Surplus and Drought Management Plan report on water supply and demand as of April 16, 2004

Description

From December to May of each year, the Board is apprised of developing water supply and demand conditions through monthly Water Surplus and Drought Management Plan reports. The WSDM Plan details water management actions that will be taken to manage water supply and demand throughout the calendar year to assure water supply reliability. As the rain and snowfall seasons are behind us and water supply conditions are more certain, at this time, no board-related WSDM actions are anticipated for calendar year 2004. Staff will keep the Board apprised of any significant changes regarding water supply and demand conditions as appropriate.

Water Supply

Colorado River Aqueduct

Staff's current estimate of Colorado River supplies for CY 2004 is approximately 650,000 acre-feet. This figure includes 550,000 acre-feet of supplies from Metropolitan's basic apportionment and approximately 100,000 acre-feet of supplies from the Imperial Irrigation District conservation program and the IID/San Diego County Water Authority water transfer.

State Water Project

Staff's current estimate of State Water Project supplies for CY 2004 is 1.8 million acre-feet. This figure includes 1.3 million acre-feet of SWP Table A supplies based on DWR's latest 2004 SWP allocation update of 65 percent. Historically, from this point forward the SWP allocation is relatively stable for the rest of the year. In addition to expected Table A supplies, Metropolitan has moved 200,000 acre-feet of extended carryover supplies from CY 2003 and expects to deliver an additional 175,000 acre-feet of SWP supplies under Article 21, Article 14b dealing with DWR outages and Turnback Pools A and B. Additionally, Metropolitan's exchange agreement with the Desert Water Agency and Coachella Valley Water District, and agreements with the San Bernardino Valley Municipal Water District and the city of Port Hueneme will produce an additional 105,000 acre-feet of supplies.

WSDM Supplies and Management Actions

In addition to the base CRA and SWP supplies, Metropolitan currently has approximately 1.1 million acre-feet of supplies in its WSDM resource portfolio available for use this year. These supplies, summarized in the table below, include additional surface storage, groundwater storage, and water transfer agreements. In addition to dry-year supplies, water management actions including increased conservation and delivery reductions of non-firm demands are also available under the WSDM Plan.

Current WSDM Supplies for CY 2004

	Current Storage Levels	Capacity Available for Storage	Remaining Take Capabilities	Remaining Put Capabilities
CRA Storage *	350,000	1,130,000	90,000	250,000
SWP Storage **	1,090,000	260,000	460,000	150,000
In-Region Storage ***	1,050,000	360,000	560,000	190,000
Total	2,590,000	1,750,000	1,110,000	590,000

* CRA storage includes conjunctive-use storage
 ** SWP storage includes surface, flex and conjunctive-use storage
 *** In-Region storage includes surface, cyclic storage and conjunctive-use storage

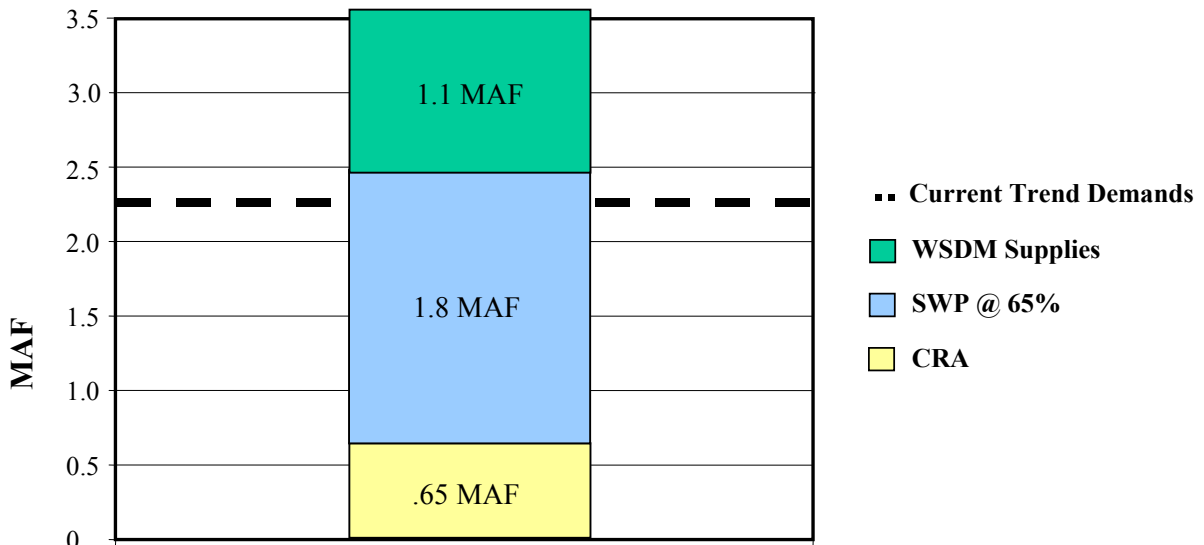
Demands

Current projected total demands on Metropolitan for CY 2004 range from a low of 1.9 million acre-feet under wet/cool conditions to a high of 2.6 million acre-feet under dry/hot conditions. These estimates include a projected range for firm demands of 1.7 million acre-feet to 2.1 million acre-feet, respectively. Under normal conditions, demands are projected to be 2.3 million acre-feet. This compares with demands on Metropolitan for CY 2003 of 2.2 million acre-feet. This figure includes 2.0 million acre-feet of firm demands, .12 million acre-feet of replenishment demands, and .10 million acre-feet of agricultural demands.

Summary

At the beginning of each year, Metropolitan faces a wide range of possible supply and demand conditions. The WSDM Plan provides a strategy to manage Metropolitan’s resources to meet that range of hydrologic conditions for the upcoming year. Currently, the projected combined CRA and SWP base supplies total approximately 2.45 million acre-feet. When combined with the approximately 1.1 million acre-feet of currently available WSDM supplies and additional WSDM management actions, Metropolitan will be able to cover the current estimated range of demands in CY 2004. Changes in conditions after the posting of this report will be provided at the next Water Planning, Quality, and Resources Committee meeting.

Current CY 2004 Supply/Demand Balance

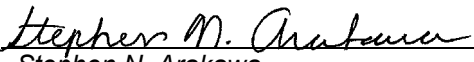


Policy

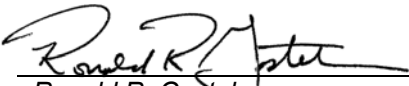
By Minute Item 43514, dated April 13, 1999, the Board adopted the Water Surplus and Drought Management Plan.

Fiscal Impact

None


Stephen N. Arakawa
Manager, Water Resource Management

4/23/2004
Date


Ronald R. Gastelum
Chief Executive Officer

4/23/2004
Date

BLA #2728