

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

May 10, 2005 Board Meeting

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**9-3**

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**Subject**

Report on Water Surplus and Drought Management Plan as of April 15, 2005

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**Description**

Each month the Board is apprised of developing water supply and demand conditions that may impact water supply reliability. This report covers conditions through April 15, 2005, and is the final water supply and demand report for CY 2005. While conditions impacting imported and local supplies, as well as demands, are still somewhat variable due to weather conditions, staff does not anticipate the need for specific board actions on WSDM supplies to meet demands in CY 2005.

**Water Supply**

*Colorado River Aqueduct*

Metropolitan's approved water order from the U.S. Bureau of Reclamation for Colorado River supplies for calendar year 2005 is 530,000 acre-feet. As in previous years, this approved order is conservative with a high likelihood that total Metropolitan's Colorado River supplies will substantially increase. Metropolitan's projected CY 2005 Colorado River supplies will include our Basic Apportionment (550,000 AF), the Imperial Irrigation District conservation program (82,000 AF adjusted for amounts provided to Coachella Valley Water District by agreement), the IID/SDCWA Transfer agreement (30,000 AF), and revisions to deliveries to California's agricultural districts along the Colorado River. In CY 2004, these programs and revisions resulted in increased supplies of nearly 260,000 AF above basic apportionment being made available to Metropolitan. Additionally, Metropolitan estimates that for 2005, the Palo Verde Irrigation District Land Management Program will yield approximately 85,000 AF of additional Colorado River supplies. Based upon average usage by the agricultural districts, staff is projecting CY 2005 Colorado River supplies to total nearly 750,000 AF.

*State Water Project*

Staff's current estimate of SWP supplies for CY 2005 is 2.1 million AF. This figure assumes a SWP allocation of 1.53 million AF based on DWR's latest SWP allocation of 80 percent for SWP Contractors. There is a possibility that the final SWP allocation will be higher. In addition to the Table A supplies, Metropolitan has moved 112,000 AF of its SWP extended carryover supplies stored in CY 2004 and 216,000 AF of SWP Article 21 and Pool A supplies. Additionally, Metropolitan's exchange agreement with the Desert Water Agency and Coachella Valley Water District, its transfer agreement with the San Bernardino Valley Municipal Water District, and agreement with the city of Port Hueneme should produce an additional 206,000 AF of supplies.

*WSDM Supplies and Management Actions*

In addition to the base CRA and SWP supplies, Metropolitan entered CY 2005 with approximately 1.18 million AF of supplies in its WSDM resource portfolio. As the year progresses, however, the ability to access that amount diminishes because of operational constraints both inside and outside of Metropolitan's service area. Currently, the estimated amount of WSDM supplies available for the remainder of CY 2005 is 1.06 million AF. These supplies, summarized in the table below, include additional surface storage, groundwater storage, and water transfer agreements.

**Current WSDM Supplies for CY 2005**

	<b>Current Storage Levels</b>	<b>Capacity Available for Storage</b>	<b>Remaining Take Capabilities</b>	<b>Remaining Put Capabilities</b>
CRA Storage *	297,000	423,000	54,000	250,000
SWP Storage **	922,000	318,000	486,000	153,000
In-Region Storage ***	1,134,000	577,000	517,000	152,000
<b>Total</b>	<b>2,253,000</b>	<b>1,318,000</b>	<b>1,057,000</b>	<b>555,000</b>

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

In addition to water supplies, water management actions including increased conservation and delivery reductions of non-firm demands also are available under the WSDM Plan.

**Storage Conditions**

At the Water Planning, Quality and Resources Committee meeting scheduled on May 9, 2005, staff will be updating the Board on storage conditions in key reservoirs that impact CRA, SWP and In-region supplies.

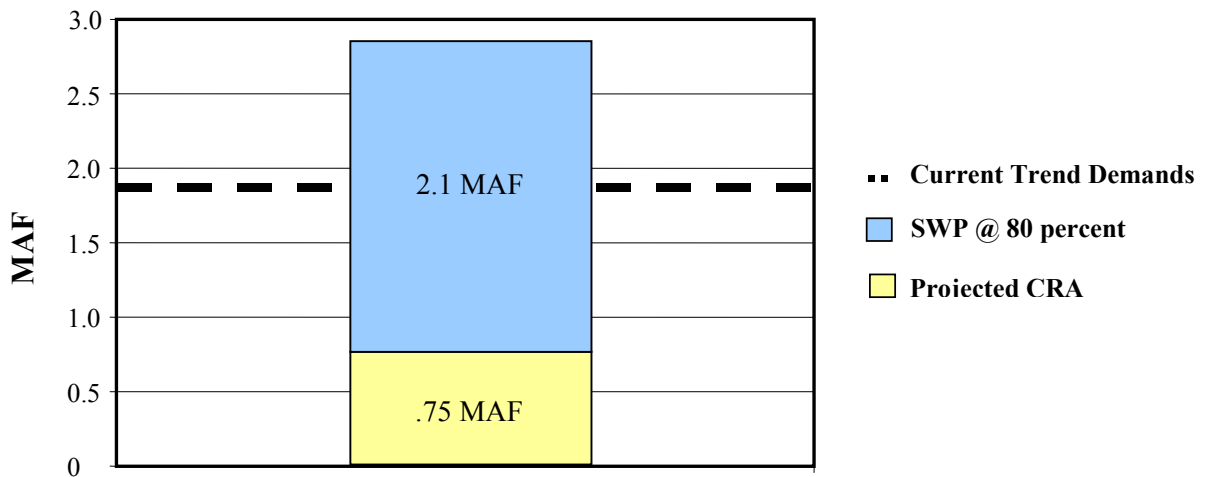
**Demand**

Current projected total demands on Metropolitan for CY 2005 – including losses – range from a low of 1.5 million AF under wet conditions to a high of 2.1 million AF under dry-year conditions. This estimate includes a projected range for firm demands of 1.3 to 1.8 million AF. Under normal hydrologic conditions, total current trend demands are projected to be 1.8 million AF.

**Summary**

Currently, the projected CRA and SWP base supplies total approximately 2.8 million AF. Thus, Metropolitan should be able to cover the current range of estimated demands in CY 2005. 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 possible hydrologic conditions for the upcoming year. Any significant changes in conditions for the remainder of the year will be reported at the Water Planning, Quality, and Resources Committee meeting.

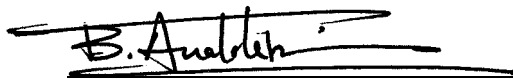
**Current CY 2005 Supply/Demand Balance**



**Policy**

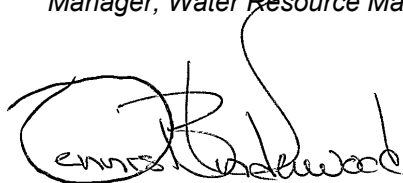
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By Minute Item 43514, dated April 13, 1999, the Board adopted the Water Surplus and Drought Management Plan.

  
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B. Anatole Falagan  
for Stephen N. Arakawa  
Manager, Water Resource Management

4/19/2005

Date

  
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Dennis B. Underwood  
CEO/General Manager

4/21/2005

Date

BLA #3423