



● **Board of Directors**
Water Planning and Stewardship Committee

8/17/2010 Board Meeting

9-2

Subject

Status update of the draft 2010 Regional Urban Water Management Plan

Description

Background

The Urban Water Management Planning Act (Act) requires that every urban water supplier providing water for municipal purposes to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually prepare and adopt, in accordance with prescribed requirements, an urban water management plan. The Act requires urban water suppliers to describe and evaluate sources of water supply, efficient uses of water, demand management measures, implementation strategy and schedule, and other relevant information and programs and submit a complete plan to the California Department of Water Resources (DWR) every five years. An urban water management plan is required in order for a water supplier to be eligible for DWR-administered state grants and loans and drought assistance.

Consistent with the requirements of the Act, staff developed the draft 2010 Regional Urban Water Management Plan (RUWMP) incorporating currently available planning projections of supply capability and demand developed through a collaborative process with the member agencies. The draft 2010 RUWMP was released for public review on August 9, 2010.

The 2010 RUWMP satisfies all the reporting requirements mandated by the Act and provides a comprehensive summary of Metropolitan's demand and supply outlook through 2035. The key reporting points of this report are as follows:

- Metropolitan has supply capabilities that would be sufficient to meet expected demands from 2015 through 2035 under average, single dry-year, and multiple dry-year hydrologic conditions.
- Metropolitan has comprehensive plans for stages of actions it would undertake to address a reduction in water supplies of up to 50 percent due to catastrophic events through its Water Surplus and Drought Management (WSDM) and Water Supply Allocation Plans (WSAP). Metropolitan also developed an Emergency Storage Requirement to mitigate against potential interruption in water supplies resulting from catastrophic occurrences within the Southern California region, including seismic events along the San Andreas fault. In addition, Metropolitan is working with the state to implement a comprehensive improvement plan to address catastrophic occurrences that could occur outside of the Southern California region, such as a maximum probable seismic event in the Delta that would cause levee failure and disruption of SWP deliveries.
- Metropolitan has plans for supply implementation and continued development of a diversified resource mix including programs in the Colorado River Aqueduct (CRA), State Water Project (SWP), Central Valley transfers, water use efficiency programs, local resource projects, and in-region storage that will enable the region to meet its water supply needs.
- Metropolitan has utilized a collaborative process in its planning initiatives, including the preparation of the draft 2010 RUWMP.

Factors of Consideration

The factors of consideration used to evaluate Metropolitan's supply and demand balance for the 2010 RUWMP are as follows:

Hydrologic Conditions and Reporting Period – For the 2010 RUWMP, staff presents Metropolitan's supply capabilities from 2015 through 2035 under the three hydrologic conditions specified in the Act: single dry-year (represented by a repeat of 1977 hydrology), multiple dry-year (represented by a repeat of 1990 to 1992 hydrologies) and average year (represented by the average of 1922 to 2004 hydrologies).

Demographics – Staff used data from the Southern California Association of Governments (SCAG) 2007 Regional Transportation Plan and the San Diego Association of Governments (SANDAG) Series 11: 2030 Regional Growth Forecast Update in developing projections of retail M&I water demands (will be updated to Series 12 for the final 2010 RUWMP).

Water Use Reduction Target – Staff estimated that approximately 380 TAF of additional conservation and/or recycling would be implemented as a result of full compliance by local water agencies with California's 20x2020 water use efficiency targets.

Colorado River Aqueduct Supplies – Staff assumed that CRA supplies will include existing and committed programs along with planned Quantification Settlement Agreement (QSA) programs.

State Water Project Supplies – Staff estimated SWP supplies using the draft 2009 SWP Delivery Reliability Report, which incorporates restrictions on SWP and CVP operations in accordance with endangered species act requirements, distributed by DWR in December 2009. Further, under these pumping restrictions and in dry and below-normal conditions, staff assumed that Metropolitan will continue to increase the supplies received from the California Aqueduct by developing flexible Central Valley storage and transfer programs.

Delta Improvements – Staff assumed that Metropolitan will continue to implement the Delta Action Plan, approved by the Board in June 2007, that provides a framework for pursuing actions with other agencies and stakeholders to build a sustainable Delta and reduce conflicts between water supply conveyance and the environment. The near-term and long-term assumptions are as follows:

- In the near-term, operational improvements in the Delta will be implemented by 2013. These improvements will allow additional SWP water supplies in all but the driest conditions.
- In the long-term, the new Delta conveyance will be fully operational by 2022 and will restore the SWP supply reliability pattern that existed prior to supply restrictions imposed due to the Biological Opinions.

Storage – Staff assumed a simulated median storage level going into each of the five-year increments from 2015 through 2035 based on the balances of supplies and demands. Under this assumption, there is an estimated 50 percent probability that storage levels would be higher than the assumption used and a 50 percent probability that storage levels would be lower than the assumption used. Actual storage program conveyance constraints are reflected in the analysis.

It is important to note that under some conditions, Metropolitan may choose to implement the WSAP in order to preserve storage reserves for a future year, instead of using the full supply capability. This can result in impacts at the retail level even under conditions where there may be adequate supply capabilities to meet demands.

Schedule and Milestones

Metropolitan staff will continue to coordinate with the member agencies to complete the final 2010 RUWMP. The development of the RUWMP is on schedule and is on track to meet the deadline for submission to DWR by December 2010.

On August 9, 2010, staff released the draft 2010 RUWMP for public review. Staff is anticipating that Metropolitan will hold several outreach meetings in September 2010 prior to the required public hearing, currently scheduled to coincide with the Water Planning and Stewardship Committee meeting in October 2010.

Staff is also continuing to monitor SB 1478, a bill that includes a proposal to extend the wholesale agencies' deadline for submission of the RUWMP to July 2011. Staff will update the Board on the progress of this bill and its impact on RUWMP submission requirements if the bill is signed into law.

The table below shows the remaining milestones for RUWMP submittal to DWR by December 2010.

Milestones	Schedule
Draft 2010 RUWMP for Public Review	August 9, 2010
Notification for Public Hearing	August 9, 2010
Public Outreach Meetings	September 2010
Public Hearing and Board Transmittal of Final Draft 2010 RUWMP	October 2010
Board Adoption of 2010 RUWMP	November 2010
Submission of 2010 RUWMP to DWR	December 2010

Policy

Metropolitan is obligated under law to meet the requirements of the Act, California Water Code Division 6, Part 2.6, Urban Water Management Planning.

Fiscal Impact

None


 Deven N. Upadhyay
 Manager, Water Resource Management

8/2/2010
Date


 Jeffrey Kightlinger
 General Manager

8/3/2010
Date