



Long Beach Water Department
The Standard in Water Conservation & Environmental Stewardship

Board of Water Commissioners
September 15, 2011 Board Meeting

KEVIN L. WATTIER, General Manager

Subject:

Authorize adoption of amendments to the Long Beach Water Department 2010 Urban Water Management Plan.

Executive Summary:

The State of California requires the Board of Water Commissioners (Board) to adopt an Urban Water Management Plan (UWMP) once every five years. By adopting a complete UWMP, LBWD qualifies to apply for certain State grants and loans.

LBWD's 2010 UWMP had to have been adopted by the Board no later than June 30, 2011. It was adopted by the Board on June 2, 2011. Beginning with the 2010 UWMP, retail water agencies are required to establish per capita water-use targets for the years 2015 and 2020 and these targets must be stated in the UWMP. These targets could be for the individual water agency and/or for a region, if the individual agency chose to join a region. LBWD joined the Gateway Region for the purposes of compliance with the 2015 and the 2020 targets. The region finalized its targets subsequent to June 30, 2011. Therefore, the Board must amend the adopted 2010 UWMP to reflect these finalized regional targets.

Board Options/Fiscal Impacts

Option #1: Adopt the amendments to the LBWD 2010 UWMP enumerated in Exhibit A and Exhibit B of this Board Letter.

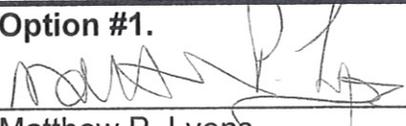
Fiscal Impact: Help ensure LBWD continues to qualify to apply for State grants and loans.

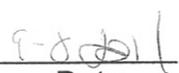
Option #2: Postpone adoption of the amendments.

Fiscal Impact: LBWD may be in jeopardy of being disqualified to apply for State grants and loans.

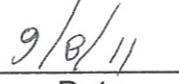
Staff Recommendation

Option #1.


Matthew P. Lyons
Director of Planning and Conservation


Date


Kevin L. Wattier
General Manager


Date

APPROVED 9/15/2011
BOARD OF WATER COMMISSIONERS



LBWD's 10-year baseline is 134 GPCD, interim urban water use target (year 2015) is 121 GPCD and urban water use target (year 2020) is 107 GPCD. LBWD established these water use targets using Method 1: the 20% reduction in GPCD from the 10-year baseline.

SBx7-7 also allows retail water agencies to form certain alliances for the sake of compliance. If participating in an alliance, the individual retail agency will be in compliance if it meets either it's individual target or its region meets the regional targets.

LBWD is participating in the Gateway Regional Water Conservation Alliance. This alliance includes the cities of Bell Gardens, Downey, Lakewood, Long Beach, Lynwood, Norwalk, Paramount, Pico Rivera, Santa Fe Springs, Signal Hill, South Gate, Vernon and Whittier, plus the Bellflower-Somerset Mutual Water Company. This alliance released its final targets and report on August 30, 2011.

<p>LBWD SBx7-7 Compliance as a Single Agency:</p> <ul style="list-style-type: none"> ■ Baseline: 134 GPCD ■ Interim urban water use target: 121 GPCD ■ Urban water use target: 107 GPCD ■ Compliance Method: #1, 20% reduction from baseline <p>LBWD SBx7-7 Compliance as a member of the Gateway Regional Water Conservation Alliance:</p> <ul style="list-style-type: none"> ■ <u>Regional</u> Baseline: 116 GPCD ■ <u>Regional</u> interim urban water use target: 111 GPCD ■ <u>Regional</u> urban water use target: 105 GPCD ■ <u>Regional</u> compliance: <u>Option 1, Methods 1 & 3</u>
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Demographic Factors

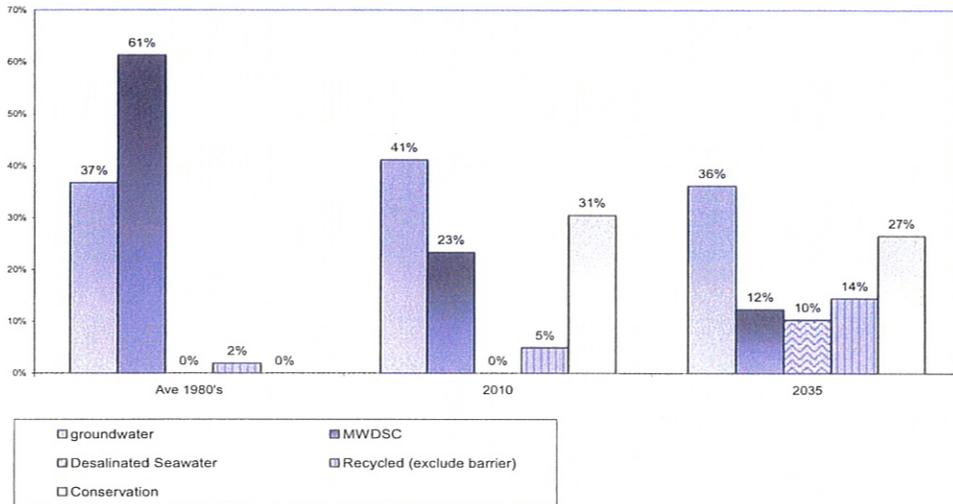
Several demographic factors will influence the City's demand for water, including population growth, housing density, employment and household income. This 2010 UWMP assumes population growth will be approximately 0.38%; or about 46,000 people over the 25-year period. It assumes single family housing will increase about 0.36% per year and multi-family units increase 0.78% per year. Employment is expected to increase just 0.4% per year and incomes by 0.9% per year, adjusted for inflation.

As a result of cost-effective conservation programs and expanded use of recycled water, this 2010 UWMP anticipated total potable demand to remain essentially flat over the next 25 years, as illustrated chart ES-2. Recycled water is expected to increase about 112% over the same period.

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- Deleted: a regional compliance program as well as complying on an individual agency basis. The
- Deleted: Cities Region will likely include the
- Deleted: Huntington Park,
- Deleted: Pico Water Authority
- Deleted: regional
- Deleted: had not, as of the adoption of this UWMP, formally adopted a baseline, 2015 interim urban water use target, 2020 water use target or a compliance methodology
- Deleted: Therefore, the regional targets and methodology stated in this 2010 UWMP may be amended after the regional has formally adopted the necessary standards and requirements. If the region uses compliance method #3 (hydrologic region), its urban water use target would be greater than if it used the compliance method articulated in SBx7-7 section 10608.22, a test to ensure at least a 5% reduction in GPCD; therefore, the baseline and targets resulting from the 5% test are expected to be adopted by the region.
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supply will not drop below 100 GPCD (which is a very meaningful guarantee to LBWD since its demand is very near 100 GPCD).

Chart E-3 LBWD's Supply Portfolio Diversifies



Imported water, as a percent of total supplies, will decline from 61% in 1980's to just 12% by 2035; recycled water will increase as a percent of supplies from only 2% in the 1980's to 14% in 2035; and using the 1980's as a benchmark (no conservation), conservation will supply about 27% of demand by 2035.

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