

Council/Agency Meeting Held: _____	_____ City Clerk's Signature
Deferred/Continued to: _____	
<input type="checkbox"/> Approved <input type="checkbox"/> Conditionally Approved <input type="checkbox"/> Denied	
Council Meeting Date: November 21, 2005	Department ID Number: PW 05-080

**CITY OF HUNTINGTON BEACH
REQUEST FOR CITY COUNCIL ACTION**

SUBMITTED TO: HONORABLE MAYOR AND CITY COUNCIL MEMBERS

SUBMITTED BY: *Penelope Culbreth Graft*
PENELOPE CULBRETH-GRAFT, CITY ADMINISTRATOR

PREPARED BY: *Robert F. Beardsley*
ROBERT F. BEARDSLEY, PE, DIRECTOR OF PUBLIC WORKS

SUBJECT: **Adopt 2005 Urban Water Management Plan**

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 CITY CLERK
 OFFICE OF
 HUNTINGTON BEACH

Statement of Issue, Funding Source, Recommended Action, Alternative Action(s), Analysis, Environmental Status, Attachment(s)
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Statement of Issue: The Urban Water Management Planning Act of 1983 requires that the City adopt an Urban Water Management Plan every five years.

Funding Source: Not applicable.

Recommended Action: Motion to:

Adopt Resolution No. 2005-73 adopting the 2005 Urban Water Management Plan pursuant to AB 797 and SB 1011.

Alternative Action(s):

Do not adopt the plan in part or as a whole and instruct staff on how to proceed.

Analysis: The Urban Water Management Planning Act of 1983 requires water utilities that supply over 3000 acre-feet of water per year or have 3000 or more customers, submit an Urban Water Management Plan every five years. Huntington Beach last adopted a plan in December 2000. The plan must be presented at a public hearing, adopted by resolution and submitted to the State Department of Water Resources (DWR) by December 31, 2005. DWR in turn compiles the information in the plans and submits a report to the legislature.

D-1

REQUEST FOR ACTION

MEETING DATE: 11/21/2005

DEPARTMENT ID NUMBER: PW 05-080

Analysis: The Urban Water Management Planning Act of 1983 requires that water utilities that supply over 3000 acre-feet of water per year or have 3000 or more customers submit an Urban Water Management Plan every five years. Huntington Beach last adopted a plan in December 2000. The plan must be presented at a public hearing, adopted by resolution and submitted to the State Department of Water Resources (DWR) by December 31, 2005. DWR in turn compiles the information in the plans and submits a report to the legislature.

The attached Urban Water Management Plan (UWMP) focuses on water supply and demand management for the City. It incorporates and references the plans of the Metropolitan Water District of Southern California (MWD) and the Municipal Water District of Orange County (MWDOC). MWD is the major supplemental water supplier to Southern California providing water from the Colorado River and State Water Project. MWDOC is a member agency of MWD and serves as the City's wholesaler of MWD water. The Orange County Water District (OCWD), which manages the Santa Ana River groundwater basin from which the City obtains 64% of its water supply, is not required to submit a plan. However, information supplied by OCWD regarding the groundwater basin is included as well. The UWMP also incorporates water use efficiency efforts implemented pursuant to the Memorandum of Understanding Regarding Urban Water Conservation in California (MOU). The City became signatory and adopted the MOU in August 2000.

The City's UWMP includes sections on:

- Sources and Supplies
- Water Quality
- Reliability Planning
- Water Use Provisions
- Demand Management Measures
- Water Shortage Contingency, and
- Water Recycling

Demographic and water use projections are presented in five year increments up to 2030. In general, the plan focuses on projected water supply versus demand and is intended to act as a guide for the City's water use efficiency efforts. The plan also examines the potential effect on water supply of single and multiple dry years. Because of Huntington Beach's groundwater and import connection capacities, it is estimated that 100% of demand can be met even in a multiple dry year scenario.

Environmental Status: Not applicable.

Attachment(s):

City Clerk's Page Number	No.	Description
	1.	Resolution No. <u>2005-13</u>
	2.	Powerpoint Presentation – City of Huntington Beach 2005 Urban Water Management Plan

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ATTACHMENT #1

D-1.3

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RESOLUTION NO. 2005-73

A RESOLUTION OF THE CITY COUNCIL OF THE
CITY OF HUNTINGTON BEACH ADOPTING THE
URBAN WATER MANAGEMENT PLAN
PURSUANT TO AB 797 AND SB 1011

WHEREAS, Resolution No. 2000-117 adopted the City of Huntington Beach Urban Water Management Plan in 2000; and

Under state regulations, an Urban Water Management Plan is required to be adopted every five years; and

In the semi-arid coastal plain of Southern California, it is imperative that every reasonable measure be taken to manage precious local and imported water supplies; and

A current Urban Water Management Plan ("Plan") has been completed, and is attached hereto as Exhibit "A" and incorporated by this reference as though fully set forth herein, pursuant to the requirements of the Urban Water Management Planning Act of 1983; and

The Plan is a general information document and compliments the plan of the Municipal Water District of Orange County (MWDOC) and the Regional Plan of the Southern California Metropolitan Water District; and

The purpose of Huntington Beach's Plan is to provide a local perspective and analysis of the current and alternative water conservation activities of Huntington Beach; and

Huntington Beach's Plan also addresses the effects of water shortages within the City's boundaries and suggests a framework for developing a mechanism, in concert with neighboring cities, to cope with short term as well as chronic water supply deficiencies; and

Huntington Beach's Plan will be periodically updated to reflect changes in water supply trends and conservation policies within the boundaries of Huntington Beach,

NOW, THEREFORE, THE City Council of the City of Huntington Beach does hereby resolve as follows:

1. That the City Council of the City of Huntington Beach hereby acknowledges the essential nature of water conservation within its boundaries as described herein; and
2. That the City's Urban Water Management Plan, as shown on the attached Exhibit "A," is hereby approved and adopted, and the City will implement the Plan as discussed therein.
3. Resolution No. 2000-117 is hereby repealed.

PASSED AND ADOPTED by the City Council of the City of Huntington Beach at a regular meeting thereof held on the _____ day of _____, 2005.

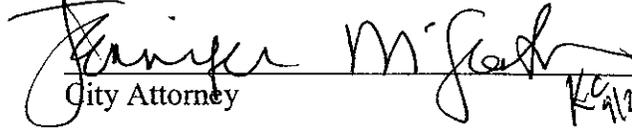
Mayor

REVIEWED AND APPROVED:



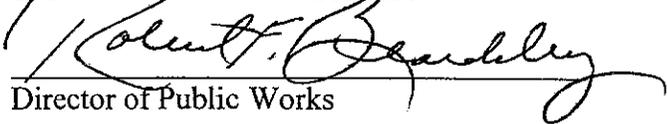
City Administrator

APPROVED AS TO FORM:



City Attorney *K. G. Santos*

INITIATED AND APPROVED:



Director of Public Works

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EXHIBIT "A"

URBAN WATER MANAGEMENT PLAN 2005



City of Huntington Beach

November 21, 2005
~~Final Draft~~

PSOMAS

(Available for Review in the City Clerk's Office)

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ATTACHMENT #2

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City of Huntington Beach 2005 Urban Water Management Plan

Acronyms used within this report are listed on page ACR-1 of the
City of Huntington Beach 2005 Urban Water Management Plan

City of Huntington Beach

Insurance Services Office (ISO) Class 1 Water System

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Urban Water Management Plans

- Prepared in compliance with the Urban Water Management Planning Act (1983)
- Submitted to the Department of Water Resources every 5 years – due by December 31
- Must be adopted by resolution following a public hearing
- Focuses on water sources, supply and use
- City plan references MWD and MWDOC plans
- This plan contains water supply projections thru the year 2030

Required Components

- Sources and supplies
- Water quality
- Reliability planning
- Water use provisions
- Demand management measures
- Shortage contingency plan
- Water recycling

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D-11

Sources and Supplies

- Groundwater
 - 10 groundwater wells in operation
 - Groundwater basin managed by OCWD
 - Current BPP 64%
- Imported
 - From MWD via MWDOC
 - 36% of the City's needs
 - 3 connections

Water Quality

- City's water supply meets all State and Federal standards
- Import water quality monitoring
 - Salinity
 - Perchlorate
 - Uranium
 - Chromium VI
 - MTBE

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Water Quality

- Groundwater quality monitoring
 - MTBE
 - TDS
 - Nitrates
 - VOC
 - NDMA
 - Colored groundwater

Reliability Planning

- Vulnerability of supply to seasonal or climatic shortages
 - Dry year and multiple dry year demands
- MWD - “A Blueprint for Water Reliability”
 - Develop cost-effective local resources
 - Secure additional import supplies
 - Provide infrastructure to integrate import and local sources
 - Establish management plan to address periodic surplus and shortage conditions
 - Develop rate structure to implement the above

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Reliability Planning

- OCWD
 - Long term facilities plan
 - Increase amount of sustainable basin production
 - Protect water quality
 - Establish future production amounts
 - Estimate impacts to RA and BPP
 - GWRS
 - Joint project with OCSD

Reliability Planning

- Other agencies
 - Santa Ana RWQCB
 - SAWPA
- Demand and supply comparison
 - City projected to meet 100% of demand in dry year and multiple dry year scenarios

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D-1:17

Water Use Provisions

- Annual per capita use is well below Orange County average
- Predominantly residential
- Land use and water use efficiency impacts on consumption

Demand Management Measures

- California Urban Water Conservation Council
 - City is signatory to MOU regarding BMPs for urban water conservation (August 2000)
 - Implement 14 BMPs
 - Submit activity reports every two years

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Shortage Contingency Plan

- Chapter 14.18 of Municipal Code
- Stage of action if shortage is declared because of:
 - Increased demand or limited supplies
 - Major failure of supply, storage or distribution facilities or MWD or the City
 - A local or regional disaster
- MWD's WSDM plan
- Catastrophic supply interruption addressed in City's Emergency Management Program
 - Water Emergency Response Organization of Orange County (WEROC)

Water Recycling

- Required component of the plan
- OCWD Green Acres Project (GAP)
 - Not currently cost effective to deliver recycled water to Huntington Beach
- Well 8/GAP project
 - Use GAP lines originally intended for recycled water to transmit colored water to Central Park for irrigation purposes

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D-1.21

City of Huntington Beach 2005 Urban Water Management Plan

City of Huntington Beach – ISO Class 1 Water System