

# Agenda Report

June 20, 2005

**TO:** CITY COUNCIL

**FROM:** CITY MANAGER

**SUBJECT:** ADOPT A RESOLUTION TO AUTHORIZE THE CITY MANAGER TO ENTER INTO AGREEMENTS WITH METROPOLITAN WATER DISTRICT FOR THE PURPOSE OF PARTICIPATING IN WATER CONSERVATION PROGRAMS

## **RECOMMENDATION**

It is recommended that the City Council:

Adopt a resolution to authorize the City Manager to enter into agreements with the Metropolitan Water District (MWD) in order to participate in their Water Conservation programs.

## **BACKGROUND**

Pasadena Water and Power (PWP) promotes water conservation programs to encourage the efficient use of water. Many of the programs offer rebates, funded by MWD, to reimburse customers for incremental purchases or installation costs for water efficient devices. PWP currently has an agreement with MWD to offer rebates to its residential market segment that will expire on June 30, 2006. The agreement with MWD for rebates to commercial customers expired last December 2004.

PWP desires to continue to offer rebates to residential and commercial customers and to encourage water conservation. In order to continue obtaining MWD funds for rebates, MWD requires a resolution authorizing the City Manager to enter into agreements with MWD for the purpose of water conservation programs for residential and commercial customers.

The agreements with MWD will remain in effect unless terminated by either party upon thirty days notice.


MWD as lead agency will perform California Environmental Quality Act (CEQA) compliance for all water management programs authorized in these agreements.

Descriptions of the existing commercial and residential programs funded by MWD are attached as Appendix A & B.

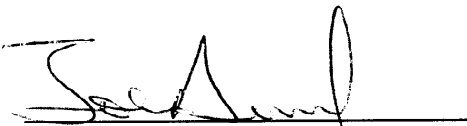
### **FISCAL IMPACT**

All rebates associated with the aforementioned water conservation contract are funded by MWD. PWP may choose to supplement the MWD rebates. Funding for supplemental rebates will be paid from available funds currently out of the budget for the Water Fund 402, Utility Rebates, Account 8176.

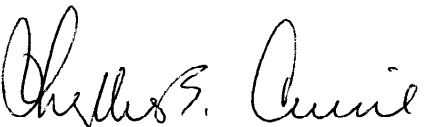
Respectfully submitted,

  
CYNTHIA J. KURTZ  
City Manager

Prepared by:

  
Joe Awad  
Business Unit Director  
Pasadena Water and Power

Approved by:

  
Phyllis E. Currie  
General Manager  
Pasadena Water and Power

## **APPENDIX A**

### **Existing Commercial Water Conservation Programs Funded Through MWD**

*Commercial High Efficiency (HE) Clothes Washers* – PWP makes available a rebate to commercial water customers for each High Efficiency clothes washer they install. HE clothes washers use up to 50% less water and 50% less energy. The rebate only applies to HE clothes washers that have a water factor less than 9.5. MWD reimburses PWP \$100 for each washer rebated.

*Pre-Rinse Kitchen Sprayers* – A rebate is available to commercial water customers who purchase and install water saving Pre-Rinse Kitchen Sprayers. Estimated annual savings per kitchen sprayer is 75,000 gallons. MWD reimburses PWP \$50 for each sprayer rebated.

*Ultra Low Flow Toilets (ULFTs)* – Commercial water customers who purchase and install water saving ULFTs and urinals (including zero consumption technology) are eligible to receive a rebate for each fixture installed. The rebate is only available for replacing a non-ULFT device. ULFT fixtures use 20,000 gallons less water annually than non-ULFT models. MWD reimburses PWP \$60 for each toilet rebated.

*Cooling Tower Connectivity Controllers* – A rebate is available to commercial water customers who install this technology within their cooling system. With proper management, the estimated savings average 800,000 gallons annually. MWD reimburses PWP \$500 for this rebate.

*Hospital X-Ray Film Processor Recirculating System* – Hospital x-ray processing systems in Pasadena have already been rebated through the MWD rebate program.

*Dual-Flush Toilets.* – Customers receive a rebate for the purchase and installation of dual-flush toilets. The dual-flush toilet operates at 1.6 gallons per flush for solids and 0.8 gallons per flush for liquids. This type of water-efficient toilet is common in other countries and recently was approved for sale in the United States. These toilets have two levers, one lever to flush liquids and the other for solids. The liquid-lever option uses half the water used in today's standard low-flush toilet. Average additional water savings measured at 2,250 gallons per year per toilet. MWD reimburses PWP \$80 for each rebate replacing a high volume toilet (above 1.6 gallons per flush) or \$20 for each rebate replacing an ULFT (1.6 gallons per flush).

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*Water Pressurized Broom* – This device replaces traditional hose nozzles used to clean large hardscape surface areas at commercial and industrial facilities. It uses a series of small nozzles to direct multiple high-intensity water sprays in front of the “broom”. A typical hose and nozzle uses 8 – 18 gallons per minute, a pressurized water broom uses 2.8 gallons of water per minute. The average water savings is approximately 50,000 gallons per year per location. MWD reimburses PWP \$100 per water broom rebated.

## **APPENDIX B**

### **Existing Residential Water Conservation Programs Funded Through MWD**

*Ultra Low Flow Toilets (ULFT)* - Through an existing co-sponsored agreement with MWD, PWP is providing a rebate to its residential water customers who purchase and install ULFTs (1.6 gal per flush). PWP is reimbursed \$60 per toilet by MWD.

*Residential High Efficiency (HE) Clothes Washer* – Residential customers receive a rebate for the purchase and installation of an approved High Efficiency washing machine. The HE clothes washer must have a “water factor” of less than 6.0 (water factor is defined as gallons per cycle). State-of-the-art HE clothes washers use up to 50% less water. HE clothes washers cost approximately 40% more than similar conventional clothes washers and the annual average water savings is 7,000 gallons per residence. PWP is reimbursed \$100 per washer by MWD.

*Weather Based Irrigation Controllers* - Residential customers may receive a rebate for the purchase and installation of a high-tech irrigation controller. This specific controller connects the real-time information collected by weather stations and sensors to accurately provide irrigation control on the ground. Each electronic controller contains extensive information on soil types, landscape slopes, plant materials, and sprinkler application rates. This allows the controller to apply the irrigation water required to make up for the lost ET (the rate at which plants lose water through evaporation and transpiration) while minimizing losses due to runoff. Current technology is being introduced and implemented via pilot programs. Studies have found an average water savings of 13,500 gallons per location. PWP is reimbursed \$65 per unit by MWD.

*Dual-Flush Toilets.* – Customers receive a rebate for the purchase and installation of dual-flush toilets. The dual-flush toilet operates at 1.6 gallons per flush for solids and 0.8 gallons per flush for liquids. This type of water-efficient toilet is common in other countries and recently was approved for sale in the United States. These toilets have two levers, one lever to flush for liquids and the other for solids. The liquid-lever option uses half the water used in today's standard low-flush toilet. Water savings are estimated to save 20% more water than traditional low flow (1.6 gal) toilets. customers receive a \$80 rebate from PWP for replacing a high volume toilet (above 1.6 gallons per flush) or a \$20 rebate for replacing an ULFT (1.6 gallons per flush), which is reimbursed by MWD.

RESOLUTION NO. \_\_\_\_\_

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASADENA AUTHORIZING THE CITY MANAGER TO ENTER INTO AGREEMENTS WITH METROPOLITAN WATER DISTRICT FOR PURPOSES OF PARTICIPATING IN WATER CONSERVATION PROGRAMS

WHEREAS, the City of Pasadena promotes water conservation through financial incentives for the use of water efficient devices and new water conservation technologies; and

WHEREAS, the City of Pasadena has signed a Memorandum of Understanding with the State of California agreeing to participate in and promote water conservation practices; and

WHEREAS, the City of Pasadena purchases water from Metropolitan Water District and is thereby designated as a Member Agency; and

WHEREAS, the Metropolitan Water District funds rebate incentives to water customers of Member Agencies as reimbursement for the purchase of water efficient devices for the purpose of water conservation, and the City of Pasadena may choose to supplement rebates offered by Metropolitan Water District provided that sufficient funding is available in the budget for the Water Fund, Utility Rebates, Account 8176;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PASADENA as follows:

The City Manager of Pasadena is hereby authorized to enter into agreements with Metropolitan Water District for the purpose of participating in water conservation programs.

Adopted at the regular meeting of the City Council on the \_\_\_\_\_ day of \_\_\_\_\_, 2005 by the following votes:

AYES:

NOES:


ABSENT:

ABSTAIN:

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Jane L. Rodriguez, CMC  
City Clerk

APPROVED AS TO FORM:

  
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Scott D. Rasmussen  
Assistant City Attorney