Water Conservation/ Management/ Sustainability/Protection Plan

Draft as of July 2008

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Objective: Maintain Current Pumping Levels

GOAL: Reduce residential per capita water use 20% by 2020

Recommended Methods

Residential Customers

--Establish a toilet rebate program

High efficiency toilets could reduce the daily water use by 10.3 gallons per capita or about 2,301,000 gallons per day or about the output of one well.   This represents two-thirds of the goal to reduce residential water use by 20% by 2020.

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Residential Customers

--Provide customers with current consumption data

Instruct customers on how to track their water use on a monthly basis using either a paper form or a water use tabulator via their personal computers.

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Residential Customers

--Investigate the Conversion of Water Meters to Provide for Quarterly Billing and the Potential of Monthly Billing

If customers can track their monthly usage, with more frequent billing, they can see the results of their conservation quicker.

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Residential Customers

--Enact inclining rate structure

Use more, pay more

Residential Customers

--Enact Outdoor Water Use Restrictions to Maintain Pumpage Below a Preset Daily Amount

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Residential Customers

--Expand residential water audits from the current high-bill leak detection to include individual requests for onsite inspection/ personalized recommendations

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Commercial Customers

--Target high-use customers with education/outreach to promote water conservation

--Enact landscaping ordinance for new development/major redevelopment

Commercial Customers

--Offer appliance upgrade program (e.g., for laundromats)

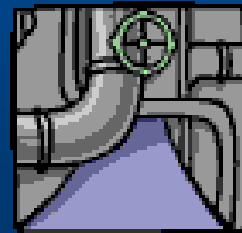--Enact a certification program for water-efficient buildings

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Industrial Customers

--Encourage individual audits for customers

Municipal

--Quantify water use by Water Utility with better record keeping

--Be efficient in utility operational water use (reservoir cleaning, main flushing)

--Expand the leak-detection program

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Municipal

--Upgrade Water Utility bill with new software

--Install use meters in unit well buildings

--Reduce hydrant flushing when well filters are installed (when appropriate)

--Audit other city government buildings for water use

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