

**TO:** James L. App, City Manager  
**FROM:** Doug Monn, Public Works Director  
**SUBJECT:** Urban Water Management Plan  
**DATE:** June 3, 2008

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**NEEDS:** For the City Council to hold a public hearing regarding the Draft 2005 Urban Water Management Plan.

**FACTS:**

1. The Public Draft Urban Water Management Plan has been prepared to meet requirements of the California Water Code 10610, and to help guide the City's water resources management efforts. This Plan documents the City's sources of water supply, defines water demands, presents a water shortage contingency plan, and describes implementation of water demand management measures.
2. Water demand is projected to double from 7,414 acre-feet per year (AFY) as of 2005 to 16,400 AFY in 2025.
3. While the groundwater basin as a whole is not in overdraft, the change in groundwater storage from 1997 to 2006 was estimated to have decreased at a rate of -3,300 AF per year (or a total reduction of storage for the end of the study period of -29,800 AF relative to 1997 levels)
4. The City's reliance on the groundwater basin continues to increase. The City pumped 2,856 AFY from the groundwater basin in 2005 with an increase to 4,103 AFY in 2007.
5. City water production facilities have regularly been unable to deliver peak water demands during hot summer days. In August 2007, the City was unable to meet the customer demand and satisfy fire protection requirements. As a result the City had to halt its landscape irrigation and initiated voluntary water conservation measures. In the near term, the City is addressing these shortages through well rehabilitation, management of City irrigation, and public outreach. In the long term, the City is developing two new water supply sources.
6. The City will import 4,000 AFY of Lake Nacimiento water by 2010. Lake Nacimiento water will significantly enhance the City's ability to meet peak seasonal and long-term demands. Lake Nacimiento supply is independent of local groundwater supplies and provides needed supply diversity. It will enhance overall water quality to City customers, improve wastewater quality, and help improve groundwater quality.
7. The City also plans to implement water recycling for irrigation. For the purposes of the Urban Water Management Plan, water recycling of about 944 AFY is assumed by 2025. Recycled water is very reliable seasonally and in drought, releases potable water for higher uses and its use would alleviate peak water demands in summer.

8. The City has an adopted Water Management Contingency Plan (Resolution 90-44); however, this Plan does not address all water code requirements. Development of a new water shortage contingency plan is recommended that reflects current requirements, conditions and needs of the City.
9. Water demand management (water conservation) is beneficial to the City by reducing water production and distribution costs and deferring capital costs; reducing seasonal peak demands and reducing the potential for seasonal shortages; reducing groundwater pumping and thereby maintaining groundwater levels and helping increase long-term sustainability; and demonstrating to citizens that the City is using its water supplies efficiently while developing new supplies.
10. While the City already has implemented water demand management measures, more water savings can be achieved. The recommended first step is retention of a water conservation coordinator who would develop and guide a community-wide water conservation program.

**ANALYSIS &  
CONCLUSION:**

The Urban Water Management Plan, required by the California Water Code, helps guide the City's water resources management by documenting the City's water supplies and demands, and by addressing water shortage contingencies and water demand management. Preparation of the Urban Water Management Plan involves participation by the public and stakeholders, including a public hearing after circulation of the Public Draft Plan and prior to adoption of the Final Plan.

**POLICY**

**REFERENCES:** Urban Water Management Planning Act, as amended, Water Code 10610 and following; Resolution 90-49, Water Management Contingency Plan.

**FISCAL**

**IMPACT:** None.

**OPTIONS:** a. The Public Draft requires no action by City Council at this time. However, comments on the Public Draft are encouraged. The Final UWMP is tentatively scheduled for presentation to City Council for adoption on July 1, 2008.

Attachments/Handouts (1)

- 1) To be presented at the June 3<sup>rd</sup> City Council Meeting - Handout of Presentation: Public Draft Urban Water Management Plan