

- FACT SHEET - WATER INTEGRATED RESOURCE PLAN (WIRP)

PWP is preparing a WIRP that will establish a framework for future investment in water supply and conservation programs to reliably meet the projected needs of its water customers. The final WIRP is expected to be submitted to the City Council for adoption in January. Furthermore, the WIRP will form the basis of PWP's next Urban Water Management Plan (UWMP) that must be adopted by July 1, 2011.



What Is the Water IRP?

It's difficult to imagine a future without water. But were it not for continual careful planning, engineering and management of this most vital resource, there would be little of it to speak of in semi-arid Pasadena, much less the thriving economic and cultural center we are fortunate to call the "Rose City."

With so much concern about current shortfalls in supply, and predictions of long-term drought, PWP is in the process of crafting its most comprehensive water resource plan ever. The Water Integrated Resources Plan (WIRP) will be our city's blueprint for ensuring reliable, cost-effective, and environmentally responsible water supply for the next twenty-five years. It takes into consideration available and alternative supplies, demand forecasts, climate change and conservation.



Mission Statement

The Pasadena Water Integrated Resources Plan will provide an achievable, long-term strategy to meet current and future water needs. The goals of the WIRP are to address local and regional water supply and demand issues, reflect community values, and adapt to changing conditions.



Objectives

- •Provide a reliable water supply
- •Maintain affordability, while addressing fairness and equity
- •Protect and enhance source waters and the environment
- •Protect cultural and recreational resources
- •Maximize efficiency of water use
- •Maintain quality of life and positive economic climate
- •Reduce risk and maximize opportunities
- •Reduce energy footprint for water operations

- FACT SHEET - WATER INTEGRATED RESOURCE PLAN (CONT.)



Preferred Portfolio

The draft Water IRP recommends implementation of the following water resources options:

- Aggressive water conservation
- Stormwater projects
- Devil's Gate Storage to Eaton Canyon
- Groundwater storage of imported water
- Recycled water to non-potable reuse (Phase I system, with tunnel augmentation)
- Recycled water to groundwater recharge (tertiary-treated indirect potable reuse)



Benefits of Implementing Preferred Portfolio

The benefits of implementing these options include:

- 1. Greater supply reliability, especially during droughts and emergency situations;
- 2. Reduced overall lifecycle costs compared to a future in which these options are not implemented;
- 3. Improved groundwater basin levels;
- 4. Improved environment and reduced carbon emissions; and
- 5. Consistency with MWD's regional strategy of increasing local conservation and supplies.

Stormwater Projects: Residential and Commercial







Photo Source: Water IRP Update 9/21/2010