



THE CITY OF SAN DIEGO

Reservoir Augmentation Demonstration Project

FACT SHEET



Recycled water

A water resource strategy that includes conservation, recycled water and groundwater supplies will help meet future water needs.



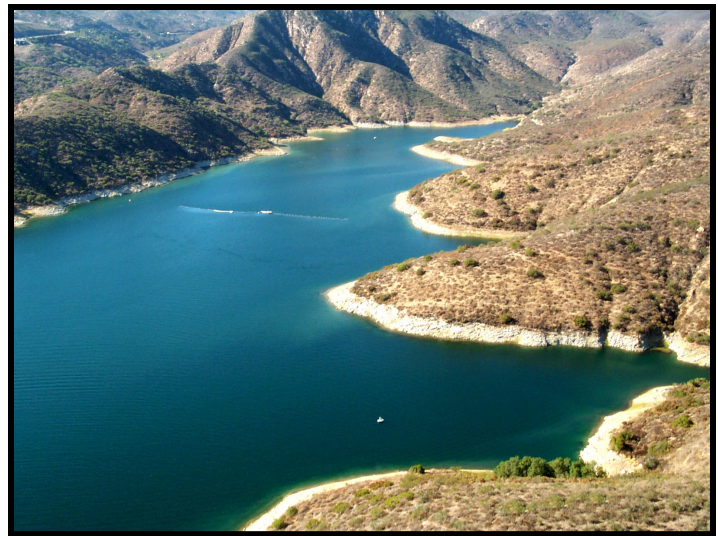
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More than 1.3 million San Diegans rely daily on an uninterrupted source of drinking water from the City of San Diego Public Utilities Department. With a rapidly growing population, further progression of the drought, and an unreliable water supply, the development of a diversified portfolio of water sources is needed.

One option being pursued is the augmentation of drinking water supplies with advanced treated recycled water. The Reservoir Augmentation Demonstration Project will evaluate the feasibility of using advanced water treatment on recycled wastewater for augmentation of supplies in a local reservoir. Through this evaluation, the City will be able to demonstrate optimized use of recycled water and how it will help decrease the City's dependence on imported water.

A demonstration treatment system will operate for at least one year. During this time, the advanced treated water will be frequently tested to determine the effectiveness of the treatment equipment in removing contaminants.

It is important to note that during the three-year project the advanced treated recycled wastewater will not be sent to the San Vicente reservoir.



San Vicente Reservoir capacity is presently being expanded from 90,000 to 247,000 acre-feet.

Goals and Objectives of the Demonstration Project

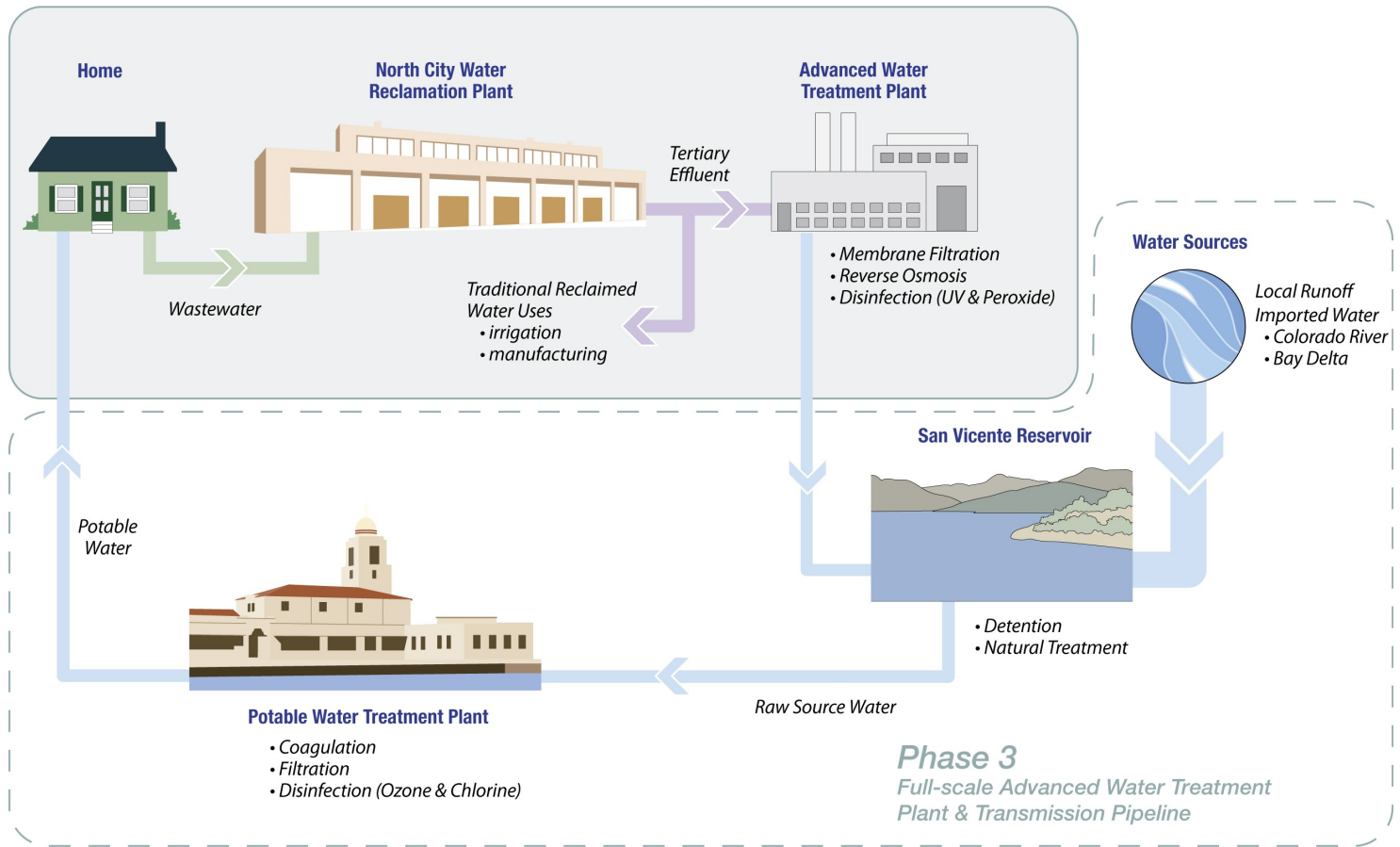
- Design, produce, install, operate and test the demonstration-scale advanced water treatment plant at the North City Water Reclamation Plant
- Evaluate feasibility of using advanced treatment technology to produce water that can be sent to a local reservoir and later distributed as potable water
- Determine if demonstration project meets regulatory requirements and provides evidence of viability of a full-scale project
- Conduct a limnology and reservoir detention study of San Vicente Reservoir
- Perform a pipeline alignment study
- Conduct public outreach and education program

Budget and Funding

The total estimated cost of the Reservoir Augmentation Demonstration Project is \$11,811,000. Grant funding for this project totals \$3,970,000. This project is included in the San Diego Integrated Regional Water Management (IRWM) Plan and has secured funding of \$1,072,835 from a California Department of Water Resources Proposition 50 IRWM grant. The remaining \$2.8 million comes from a grant provided by the Bureau of Reclamation. In November 2008, the City Council approved a temporary water rate increase to fund the Demonstration Project. This rate increase went into effect on January 1, 2009 and will be discontinued once the project is fully funded.

City of San Diego's Indirect Potable Reuse Reservoir Augmentation Process

Phase 2 Demonstration Scale Project



Multi-Barrier Treatment Steps

