

City of San Diego Water Reuse Program

An Integral Part of Our Water Resources Strategy

Phase 1: Water Reuse Study

- A comprehensive evaluation of all viable options to maximize the use of recycled water produced at reclamation plants
- Analyzed and researched the health effects of reuse options, and a public participation process
- Stakeholders identified Reservoir Augmentation at the City's San Vicente Reservoir to be their preferred strategy
- In October 2007, the City Council accepted the study report and recognized the North City-3 strategy as their preferred alternative (the North City-3 strategy is a water reuse strategy that would maximize the available North City water supply through indirect potable reuse, have less dependence on imported water, have a locally controlled drought proof supply, and offset discharge of wastewater into the ocean. It provides the lowest overall unit cost and greatest geographic area of utilization.)



Phase 2: Demonstration Project

- Design, procure, operate, and test a one million gallon a day (mgd) 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
- Define regulatory requirements and determine economic and regulatory feasibility of a full-scale Indirect Potable Reuse/Reservoir Augmentation project
- Conduct a limnology study of San Vicente Reservoir
- Perform a pipeline alignment study
- Conduct a public outreach and education program
- Convene an Independent Advisory Panel



Phase 3: Indirect Potable Reuse Reservoir Augmentation Project

- If deemed technically feasible, and after City Council and Mayoral approval, a full-scale plant will create approximately 12,000 acre-feet a year of high quality drinking water supply from recycled wastewater
- The Advanced Water Treatment (AWT) Plant will be located adjacent to the North City Water Reclamation Plant
- Construction of a 23-mile pipeline will be necessary to transport the advanced treated recycled water to San Vicente Reservoir
- The AWT water will be blended with local runoff and imported water, and then sent to potable water treatment plants and distribution systems throughout the southern half of San Diego County

