



Fillmore Integrated Water Recycling and Wetland Project

Fact Sheet

Overall, this project will construct a new waste water treatment plant that will produce Title 22, unrestricted use recycled water, and a distribution system to put the recycled water to beneficial use.

This grant will pay for about 29% of the cost for pipeline, distribution facilities, irrigation systems, percolation areas and a learning center. The Project will distribute the recycled water to school grounds, parks, and landscaped areas throughout the community where subsurface (underground) drip irrigation systems will water turf and landscaping from below while disposing of the recycled water to the underground water basin. The subsurface drip system will place recycled water in the top 10-inches of soil to maximize uptake by vegetation. The water is pulsed into the soil to preserve aerobic conditions to maximize further treatment. Subsurface drip systems for recycled water are believed to provide the best treatment process for human hormones and pharmaceuticals that cannot be removed even with reverse osmosis.

The project will eliminate discharge of effluent to the Santa Clara River, reduce demands on local groundwater supplies, distribute trace pollutants over a wider area, reduce use of chemical fertilizers by providing recycled water with nutrients and create and maintain a small demonstration wetland area.

The project will include 6775 lineal feet of recycled water distribution pipeline and will retrofit, modify and control turf and subsurface drip irrigation at seven recycled water use sites.

The recycled water distribution systems will cost \$10.5 million of which this grant will pay for \$3.05 million. The overall project cost, including the waste water treatment plant is approximately \$83 million.

Funding for this project has been provided in full or in part through an agreement with the State Water Resources Control Board.