Recycled Water

Background:

Camarillo (in the Pleasant Valley basin) and Oxnard (in the Oxnard basin) treat over 24,000 acre-feet per year (AFY) of wastewater and a portion is recycled for beneficial reuse. Camrosa Water District treats over 1,400 AFY of wastewater and nearly all of it is recycled for beneficial reuse. In addition, Camrosa Water District diverts approximately 10,000 AFY at its Conejo Creek Diversion, which is comprised of treated wastewater from the City of Thousand Oaks and surface water. The recycled water is used for landscape and agricultural irrigation uses. The cities of Oxnard and Ventura, which currently has or is in the process of developing advanced water treatment, are also developing indirect potable reuse projects for recycled water within their boundaries.

Project Description:

The project will provide an interconnection pipeline along Laguna Road to the Pleasant Valley County Water District (PVCWD) system to enable conveyance of up to 4,000 AFY of recycled water.

BENEFITS/YIELD

- Pending expansion/optimization of the existing recycled water facilities, 4,500 to 7,000 acre-feet per year (AFY) of additional recycled water would be available in the next three to five years for agricultural use. This would allow the potential to replace pumped groundwater as the primary source of water supply in key areas of the Oxnard and Pleasant Valley basins.
- Recycled water is considered a drought-resilient supply since wastewater production typically remains stable through wet and dry periods. Optimizing the use of this supply source to reduce pumping near the coast and from the Lower Aquifer System could improve the sustainable yield of the basins beyond the 4,500 to 7,000 AFY estimated yield of the project.
- High-quality recycled water would potentially reduce irrigation water used for flushing salts from the soil, further increasing the yield benefits of recycled water use.

Current Status:

The District completed final design for Phase 1 of the Project, related to the pipeline interconnection. Phase 1 construction is anticipated to start in November 2024 with completion by the end of March 2025. Phase 2 of the Project, related to a booster pump station, which will allow delivery of recycled water under all operational scenarios is in initial design and construction and is anticipated to be completed by mid-2027.

United Water
CONSERVATION DISTRICT

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October 2024

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Estimated Cost:

Up to $7.9 million for construction. Additional operations and maintenance (O&M) costs for the pipeline are considered minimal.

Note - This includes the following for construction: FY 24-25: $5.1 million (Phase 1), FY 25-26: $2.8 million (Phase 2).

Current/Potential Partners:

Oxnard, Camarillo, Camrosa Water District, Pleasant Valley County Water District, agricultural water users currently using or interested in using recycled water

Current/Potential Funding Sources:

- Received construction grant of $340,000 from the Natural Resources Conservation Service, United States Department of Agriculture.
- Received grant of $2.6 million from the Sustainable Groundwater Management (SGM) Grant program, Department of Water Resources. Approximately $2 million in additional grant funding may be made available to complete Phase 1 construction.
- State and Environmental Protection Agency (EPA) funding is available to support efforts by cities to expand recycled water programs.

Ask from United to Regulators, Legislators, Local Agencies, and Stakeholders:

Continued support and guidance from the Los Angeles Regional Water Quality Control Board and the Division of Drinking Water in implementing recycled water projects.

For more information, please visit **unitedwater.org**

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