

Fact Sheet



**NORTH SAN DIEGO
WATER REUSE
coalition**

The project's benefits to the region go well beyond the desperately needed water supply and water quality improvements.

Environmentally Responsible

- Provides an energy offset by avoiding the energy demands associated with pumping water from Northern California and the Colorado River which reduces climate change impacts associated with long-distance water transfers and ocean desalination.
- Increases water supply availability and reliability should imported water supplies be reduced due to climate change.
- Reduces the amount of treated wastewater that would otherwise be discharged into the Pacific Ocean, instead allowing for a beneficial use and improving water quality at our beaches as well as the local tourism economy.
- Supports goals of the National Environmental Policy Act, California's AB 32, state water use efficiency regulations, and the California Environmental Quality Act.
- Reduces the region's contribution to greenhouse gas emissions by producing a local water supply.
- Improves flow conditions by avoiding importation of potable water from Northern California and the Colorado River, enhancing habitat for listed and non-listed species as well as migratory birds.

Water Supply

- Increases total potable reuse and recycled water use to nearly 30,000 acre-feet (10 billion gallons) per year across all agencies by 2025.
- Produces more than 46,000 acre-feet (15 billion gallons) of potable reuse and recycled water each year by 2035.
- Represents a significant reduction in dependence on water imported from the Sacramento-San Joaquin Bay-Delta and Colorado River.
- Reduces demand on water from local sources, including local groundwater and surface water.

Economic Impact

- Creates more than 10,000 jobs for contractors, operators, and technicians.
- Economic impact of building one component of this project, the construction of a water treatment/biological nutrient removal facility in the City of Oceanside, includes \$19.5 million in earnings for workers, creation of 277 jobs in the community, and payments of \$246,000 in local taxes, \$239,000 in state taxes, and \$185,000 in federal taxes.

North San Diego Water Reuse Project Overview

San Diego County is a semi-arid region that three million people call home. Defense, tourism, manufacturing, agriculture, and biotechnology industries lead a \$215 billion regional economy that is dependent upon a reliable supply of water.

About 80 percent of the region's water is imported and subject to drought and other potential water supply interruptions; it is thus imperative for San Diego County water agencies to implement water supply alternatives such as recycled water.

The region's water supply challenges can't be solved by one agency alone. That's why northern San Diego County water and wastewater agencies are collaborating on a plan to connect the region – taking inventory of where there is a supply of wastewater and a demand for recycled water for irrigation, industrial, or potable uses.

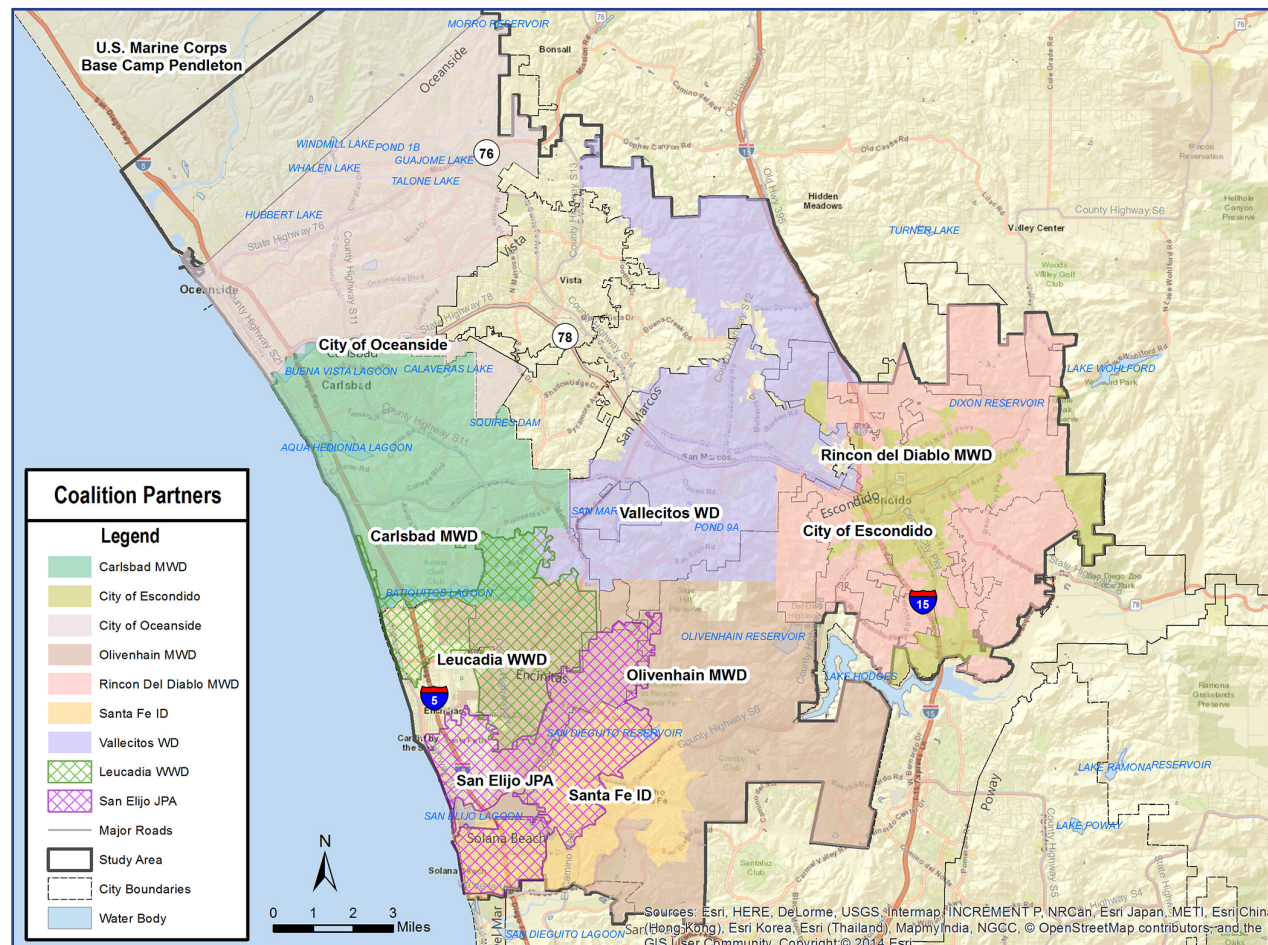
By working together, these agencies are demonstrating a commitment to provide a reliable, drought-resilient source of water for the region and reduce discharge of wastewater to the ocean. The time is now for this cost-effective, environmentally responsible approach to water supply planning.

- Reliable
- Drought-Resilient
- Environmentally Responsible
- Cost-Effective

Advancing Recycled Water in Northern San Diego County

- Carlsbad Municipal Water District
- City of Escondido
- City of Oceanside
- Leucadia Wastewater District
- Olivenhain Municipal Water District
- Rincon del Diablo Municipal Water District
- San Elijo Joint Powers Authority
- Santa Fe Irrigation District
- Vallecitos Water District

Marine Corps Base Camp Pendleton and Vista Irrigation District are ancillary partners, not seeking federal funds through this effort.



Facts about the North San Diego Water Reuse Project

- Adds **41 million gallons per day** of potable reuse and recycled water to San Diego County's water supply portfolio at full build-out
- Reduces impact of inevitable water supply shortages on San Diego County's **\$215 billion economy**
- **Creates more than 10,000 jobs**, according to Council of Economic Advisers estimates of \$92,000 of government spending per new job each year.
- Serves as **green infrastructure** by reducing wastewater flows to the Pacific Ocean, offsetting water imports from Colorado River and California State Water Project
- Crosses jurisdictional boundaries of nine public agencies and Marine Corps Base Camp Pendleton, demonstrating **efficiency in government**
- Incorporates water infrastructure and environmental improvements at Marine Corps Base Camp Pendleton, the principal West Coast base of the **United States Marine Corps**
- **Constructs 90 miles** of recycled water pipe, improvements at 9 treatment plants, and 7 potable reuse sites to serve a cumulative demand of over 30,000 acre-feet per year by 2025

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The reuse of water reduces the amount of treated wastewater that would otherwise be discharged into the Pacific Ocean.



Recycling water is a safe, cost-effective process in which wastewater is treated to a high level so that it can be used for purposes other than drinking.

History of Joint Water Recycling Efforts in North San Diego County

- In the late 1990s, Olivenhain Municipal Water District, Carlsbad Municipal Water District, Leucadia Wastewater District, and San Elijo Joint Powers Authority worked together on the first regional recycled water project in northern San Diego County, known as the North County Recycled Water Project.
- This first effort, totaling approximately \$133 million in expenditures, was awarded \$20 million in U.S. Bureau of Reclamation Title XVI funding.
- The end result was 10,000 acre-feet—over three billion gallons—of recycled water that is currently being delivered to the region's customers each year.
- Today, a 9-member coalition has formed to further advance recycled water in northern San Diego County.
- The new project will maximize recycled water use among the agencies, develop interconnections to more efficiently distribute recycled water and construct new water reclamation facilities to increase the supply of recycled water available to each of these agencies' respective customers.

Funding

- Leveraging effective partnership of regional entities, combined with local spending on recycled water design and construction, to bring State and federal funding to northern San Diego County.
- Awarded \$4.95 million in grants through the San Diego Integrated Regional Water Management Program, authorized by California's Proposition 84, which will help to fund feasibility planning, environmental compliance, public outreach, and design and construction for the proposed recycled water facilities.
- Actively pursuing federal funding through U.S. Bureau of Reclamation Title XVI program.



Recent construction of advanced water treatment facilities at the San Elijo Water Reclamation Facility allows for increased recycled water production using high-salinity influent.

Supporters (Partial List)

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| Batiquitos Lagoon Foundation | Oceana South I Residents |
| California Special Districts Association, San Diego Chapter | Oceana South II Residents |
| City of Vista | Oceana South III Residents |
| County of San Diego Supervisor Bill Horn | Oceanside Chamber of Commerce |
| County of San Diego Supervisor Pam Slater-Price (Retired) | Oceanside Community Association |
| Encina Wastewater Authority | San Diego Botanic Garden |
| Escondido Creek Conservancy | San Dieguito Water District |
| Encinitas Union School District | Sandalwood Homeowners Association |
| Flower Fields at Carlsbad Ranch | San Elijo Hills Homeowners Association |
| League of Women Voters, North County San Diego | San Elijo Lagoon Conservancy |
| Mira Costa College | Scripps Memorial Hospital Encinitas |
| Ocean Hills Country Club | Village Creek Homeowners Association |
| Oceana East I Residents | Village Park Recreation Club 3 Homeowners Association and Golf Course |
| Oceana Mission I Residents | Village Park Recreation Club 4 Homeowners Association |



Water reuse keeps golf courses, like The Crossings at Carlsbad, green and inviting, benefiting the local economy and tourism.