

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.
- Supports goals of the National Environmental Policy Act, California's AB 32 and SB x7-7, and the California Environmental Quality Act.
- Reduces the project's contribution to greenhouse gas emissions.

Water Supply

- Increases total recycled water use to over 30,000 acre-feet per year at a total cost of approximately \$175 million across all agencies by 2025 (short-term project).
- Produces more than 45,000 acre-feet (12.2 billion gallons) of recycled water each year by 2035 (long-term project).
- 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.

Job Creation

- Creates more than 7,000 jobs for contractors, operators and technicians.

Fact Sheet



NORTH SAN DIEGO
WATER REUSE
coalition

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 \$186 billion regional economy that is dependent upon a reliable supply of water.

More than 90 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.

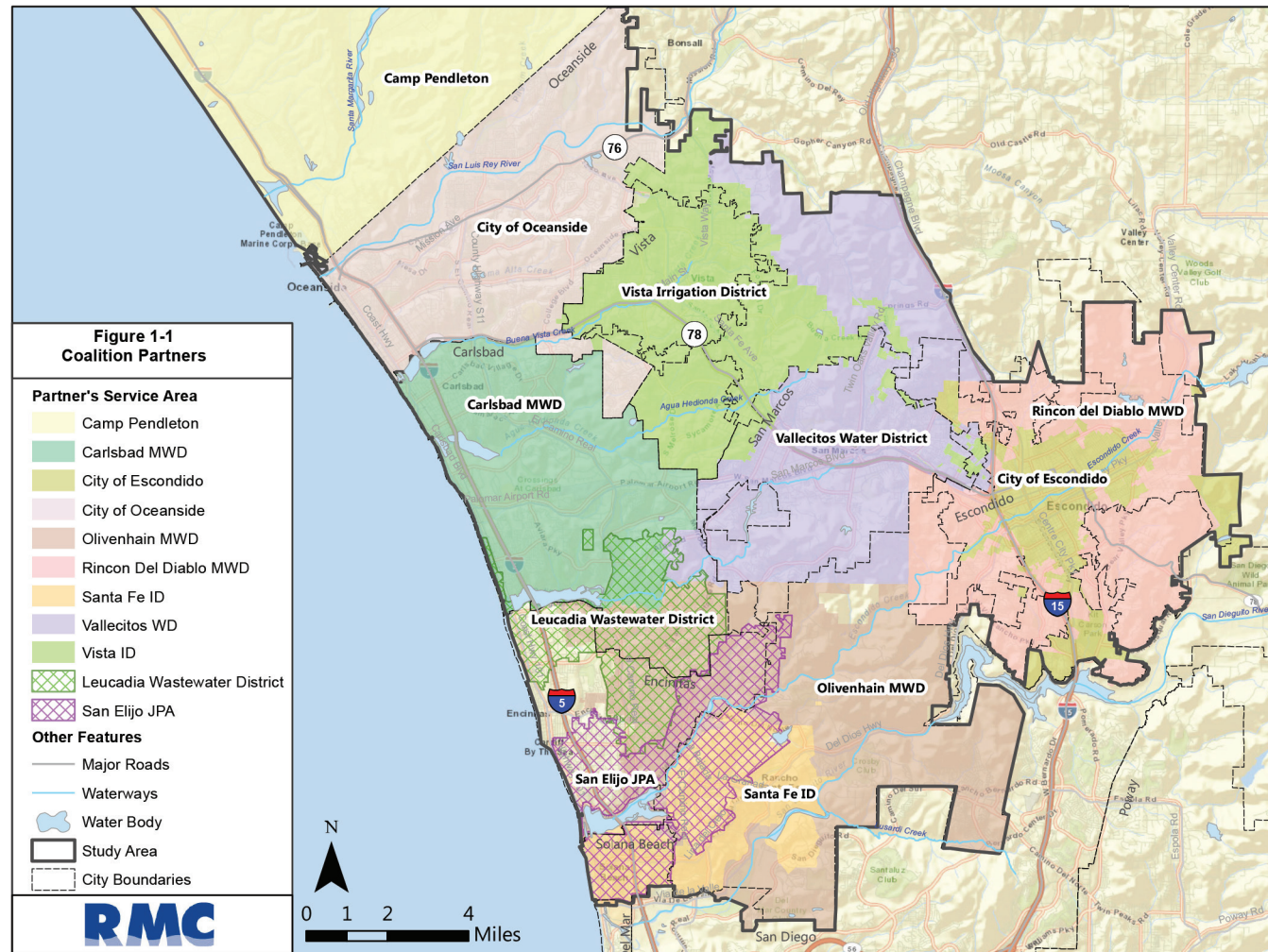
By working together, these agencies are demonstrating a commitment to provide a reliable, drought-proof source of water for the region and reduce discharge of wastewater to the ocean. The time is now for this cost-effective, environmentally responsible approach to water supply planning.

- Reliable
- Drought-Proof
- 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
- Marine Corps Base Camp Pendleton
- Olivenhain Municipal Water District
- Rincon del Diablo Municipal Water District
- San Elijo Joint Powers Authority
- Santa Fe Irrigation District
- Vallecitos Water District
- Vista Irrigation District



Facts about the North San Diego Water Reuse Project

- Adds **72 million gallons** of recycled water per day to San Diego County's water supply portfolio at full build-out
- Reduces impact of inevitable water supply shortages on San Diego County's **\$191 billion economy**
- **Creates more than 7,000 jobs**, according to Council of Economic Advisers estimates
- 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 ten 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, an 11-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 and U.S. Army Corps of Engineers.



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

Supporters

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



Water reuse benefits the region's golf courses including The Crossings at Carlsbad.