

Iron and Manganese Treatment Plant



Location:

The Iron and Manganese Treatment plant will treat the groundwater from existing lower aquifer system wells at the El Rio Water Treatment and Groundwater Recharge facility on North Rose Avenue in El Rio, north of Oxnard city limits.

Project Description:

The new plant will reduce concentrations of iron and manganese in groundwater pumped from deep wells at the El Rio wellfield. The treated water will be mixed with groundwater from wells closer to the surface that historically have increased nitrate concentration during droughts, improving the overall quality of the blended water.

Current Status:

The plant is under construction and is expected to be fully operational by February 2023.



BENEFITS/YIELD

- The treatment plant will help maintain water supplies for families living on Naval Base Ventura County — Port Hueneme and Point Mugu, the cities of Oxnard and Port Hueneme, and four small water mutual companies.
- When the first phase is fully operational, it will treat up to 3,500 gallons of groundwater per minute. Future phases can expand capacity to 8,500 gallons per minute.
- The blended water will allow use of up to 11,750 acre-feet of groundwater a year, enhancing the local water supply.



United Water
CONSERVATION DISTRICT

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Estimated Cost:

The Iron and Manganese Treatment plant will be constructed for \$10.3 million.



Current/Potential Partners:

Naval Base Ventura County, U.S. Rep. Julia Brownley, State Water Resources Control Board's Division of Drinking Water, Fox Canyon Groundwater Management Agency



Current/Potential Funding Sources:

- \$4.21 Million in Federal Grant Funding from Department Of Defense Office of Local Defense Community Cooperation
- \$2.5 Million in State Grant Funding from Department of Water Resources Prop 1 Integrated Regional Water Management Grant Program

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

Funding assistance for this innovative project.

