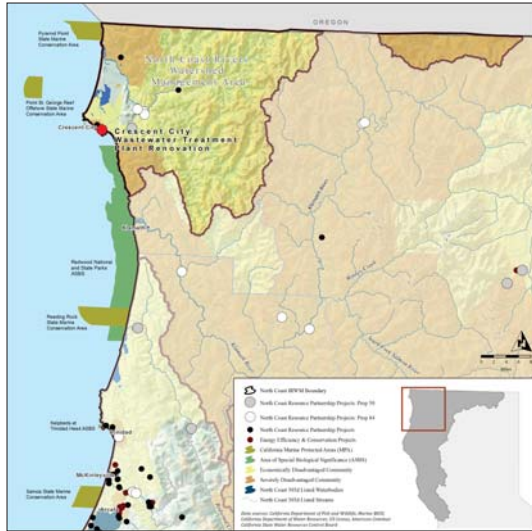


# Crescent City Wastewater Plant Renovation

CITY OF CRESCENT CITY



## STATEMENT OF THE PROBLEM

The current facility is operating under a cease and desist order from the California Water Quality Control Board because it can no longer adequately meet the service area's need for safe and efficient treatment of wastewater. A new facility is critical to both current needs and anticipated growth for the next 20 years; there is currently a moratorium on development until wastewater issues are under control. A component of the project will install Membrane Bioreactor technology to treat wastewater to standards suitable for reuse in agricultural irrigation.

## PROJECT GOALS

Improve the capacity of the Crescent City wastewater treatment system to adequately treat wastewater to meet pollution control standards for water discharged into the Pacific Ocean habitat.

## THE SOLUTION

This project will be implemented in three stages; this Phase I stage included : new influent pumping equipment and controls, new grit removal system, primary clarifier modifications, upsizing and upgrade of site piping, removal of underground storage tank and diesel contaminated soil, addition of membrane bioreactors for production of Title 22 Water, ultra-violet disinfection for Title 22 Water, effluent pumping for Title 22 Water and bio-solids thickening and pumping, and the implementation of state-of-the-art technology using membrane bioreactors able to produce high quality effluent. The City will look for opportunities to use this system in the future.

## PROJECT IMPLEMENTATION AND ACCOMPLISHMENTS

The facility has installed the necessary equipment and performed initial testing that shows the system is capable of producing up to 1.2 mgd of recycled water. However, there is currently no economically viable use for recycled water given an anticipated golf course project did not move forward.

## COMPLETION DATE

March 2014 (intended)

## PROJECT BUDGET

IRWM funds:	\$ 935,602
Leveraged funds:	\$ 40,000,000
<b>TOTAL</b>	<b>\$ 40,935,602</b>

## BENEFITS

### Economic

- Avoided water supply project benefit estimated at \$3,770,000
- Stalled development will proceed

### Water Quality

- Effluent discharge at Title 22 quality, improving discharge quality into the ocean

### Jobs and Local Economic Benefit

- The project used local labor and supplies when possible, thus contributing to State goals for social equity
- Increased economic development

## NEXT STEPS & RECOMMENDATIONS

The City of Crescent City will continue to seek funding for and implement further phases of the WWTP facilities plan.

### CONTACT

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NORTH COAST RESOURCE PARTNERSHIP