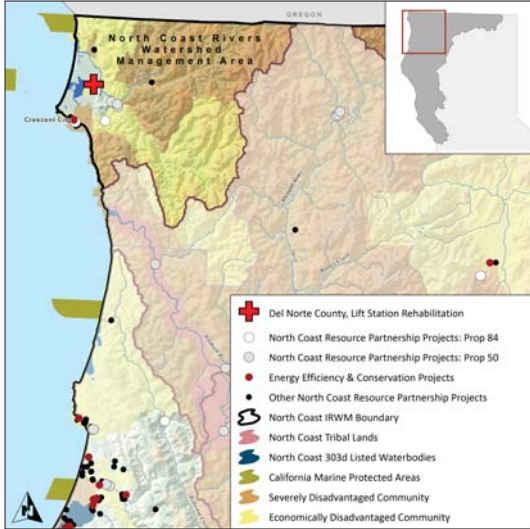


Del Norte County Service Area #1 and Crescent City Lift Station Rehabilitation

DEL NORTE COUNTY SERVICE AREA #1/CRESCENT CITY



COMPLETION DATE

April 30, 2018

STATEMENT OF THE PROBLEM

The County Service Area No. 1 and City of Crescent City's wastewater collection system includes wastewater lift stations that are over 40 years old and at the end of their useful life. Failures of the lift stations have the potential to result in sanitary sewer overflows that impact wetlands, waterways, the Crescent City Harbor, and ultimately, the Pacific Ocean.

PROJECT GOALS

- Protect and improve water quality in creeks, wetlands, the harbor, and ocean
- Improve economic vitality in a state-recognized Disadvantaged Community
- Protect and improve wetland, aquatic, and marine ecosystems
- Strengthen regional ties between Del Norte County and Crescent City

THE SOLUTION

This project will upgrade 7 sanitary sewer lift stations to reduce sanitary sewer overflows, reduce power consumption with more efficient pumps, and improve worker safety. SCADA will be installed at all 21 of the CSA and City's sanitary sewer lift stations which will allow for remote diagnosis of pump status or operational mode.

PROJECT IMPLEMENTATION

The design phase of the project is ongoing and construction is scheduled to begin in August 2017. Monitoring will be undertaken on an ongoing and annual basis. The monitoring points are at each of the lift stations rehabilitated by the project and each of the County and City lift stations with new SCADA. The project will be maintained by the City of Crescent City on an ongoing basis.

PROJECT BUDGET

IRWM funds:	\$ 815,195
Leveraged funds:	\$ 205,860
TOTAL	\$ 1,021,055

BENEFITS

Economic benefits

- Approximately \$737,200 per year from habitat improvement to wetland and riparian habitat
- Approximately \$150,000 in avoided costs of lift station maintenance
- About \$60,000 annually in reduced energy use from replacement of old pumps with more efficient pumps

Water Quality

- Improved water quality in watersheds and habitat adjacent to and downstream from the 21 lift stations being rehabilitated through SCADA installation and pump/mechanical system upgrades.

Habitat and Ecosystem function benefits

- Species protection of four listed species that use the estuary, riparian areas, and/or wetlands. These are: tidewater goby (*Eucyclogobius newberryi*), S. OR/N. CA coho salmon (*Oncorhynchus kisutch*), CA coastal chinook Salmon (*Oncorhynchus thawytscha*), and Steller sea-lion (*Eumetopias jubatus*)

Jobs and Local Economic Benefits

- Approximately \$1.2 million spent locally, using local supplies and labor when possible
- About 6 jobs created/ maintained

NEXT STEPS

The City of Crescent City and Del Norte County will continue to replace aging water and wastewater infrastructure to enhance community resilience to climate change and increase disaster preparedness.

CONTACT

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ACKNOWLEDGEMENTS

The County is appreciative of support by the North Coast Resource Partnership for this valuable project. This grant award combined with grant funds provided by the Elk Valley Rancheria via an Indian Health Service grant will allow the CSA and City to modernize all sanitary lift stations within the regional wastewater collection system.

