

Clean Water State Revolving Fund (CWSRF)
Green Project Reserve Eligibility Determination

Name of System
CWSRF Project Number/Loan Number

Newcastle Public Works Authority
ORF-20-0002-CW

General Project Description:

Newcastle Public Works Authority operates an activated sludge wastewater treatment facility (WWTF) which uses an extended aeration activated sludge process. Several components in the system need repair or replacement. The proposed project is to construct a new WWTF at an adjacent site and abandon the existing facility. Force mains will be constructed to transmit wastewater to the new site and from the new site to the new discharge point in the Canadian River. The new WWTF will consist of a new headworks with screen/grit removal, influent lift station, package wastewater treatment plant, UV disinfection, sludge press, effluent lift station and cascade aeration. Also included in the project are blowers, flow control / measurement, stormwater holding/return, an administration building and all other appurtenances required to complete the project.

GPR Component Description:

Item	Category*
Variable Frequency Drives	Energy Efficiency
SCADA	Energy Efficiency
LED Lighting	Energy Efficiency
High Efficiency Aeration Blowers	Energy Efficiency

Approved GPR Amount:	<u>\$827,000.00</u>
Approved Subsidy Amount (if applicable)	<u>\$0.00</u>

Approved by:



Matthew Cortez, E.I.

August 31, 2023
Date

*Approved GPR by Categories:

Green Infrastructure = \$0.00
Water Efficiency = \$0.00
Energy Efficiency = \$827,000.00
Environmentally Innovative = \$0.00