

City of Palm Coast, Florida Agenda Item

Agenda Date: August 27, 2024

Department	CONSTRUCTION MANAGEMENT & ENGINEERING	Amount	\$3,000.000.00
Division	ENGINEERING	Account #	54029082-063000- 88020
Subject: RESOLUTION 2024-XX APPROVING AN INCREASE OF THE SRF LOAN AMOUNT, A CHANGE ORDER FOR MEMBRANE REMOVAL AND REPLACEMENT, AND A WORK ORDER WITH CPH, INC., FOR CONSTRUCTION ENGINEERING, AND INSPECTION SERVICES FOR THE WWTF NO. 2 EXPANSION PROJECT			
Presenter: Alexander Blake, P.E. Utility Engineer III			
Attachments: 1. Resolution 2. Change Order 3. WO Proposal 4. FDEP Approval Letter			
Background: Council Priority: D. Sustainable Environment and Infrastructure Wastewater Treatment Facility (WWTF) No. 2 is an advanced wastewater treatment (AWT) plant with a treatment capacity of two million gallons per day (MGD). Placed in service in 2018, WWTF No. 2 is undergoing a two MGD expansion. The expansion is funded by a Florida Department of Environmental Protection (FDEP) low-interest Clean Water State Revolving Fund (SRF) loan, # WW180431. WWTF No. 2 uses Ovivo membranes as part of the treatment process. These membranes, with a typical 10-year lifespan under normal conditions, are nearing the end of their useful life and need replacement. The Ovivo membranes require frequent cleaning and maintenance during high flow events, negatively affecting their performance. In addition, the expansion's treatment train uses Kubota membranes, which are more reliable and require less maintenance. Replacing the Ovivo membranes with Kubota shall streamline the treatment and maintenance processes. The replacement and associated equipment cost approximately three million dollars. One of the City's consulting engineers, CPH, Inc., submitted a request for inclusion in the Priority List for an additional three million dollars, (\$3,000,000), from the FDEP to cover the cost of the additional construction and CEI services, and received approval on August 14, 2024. FDEP requires approval from City Council to proceed with the addition of funds to the SRF loan.			

This item is to approve an increase of additional SRF loan funds in the amount of \$3,000,000, a change order with R.J. Sullivan, and a work order with CPH for additional construction engineering services.

This project is in the utility 5-Year Capital Improvement Plan and is also funded through the FDEP SRF loan program. The additional revenue and expenses are included in the FY25 proposed budget.

Recommended Action:

ADOPT RESOLUTION 2024-XX APPROVING AN INCREASE OF THE SRF LOAN AMOUNT, A CHANGE ORDER FOR MEMBRANE REMOVAL AND REPLACEMENT, AND A WORK ORDER WITH CPH, INC. FOR CONSTRUCTION ENGINEERING AND INSPECTION SERVICES FOR THE WWTF NO. 2 EXPANSION PROJECT