

**Indian River County, Florida
Department of Utility Services
Board Memorandum**

Date: August 4, 2022

To: Jason E. Brown, County Administrator

From: Sean C. Lieske, Director of Utility Services

Prepared by: Harrison Youngblood, PE, Utilities Engineer, Utility Services

Subject: Change Order to TLC Diversified, Inc., for the South County Reverse Osmosis Water Treatment Plant Membrane and Retrofit Project

Background/Analysis:

On June 15th, 2021, the Board of County Commissioners (BCC) awarded the bid to TLC Diversified (TLC) for the South County Reverse Osmosis (SCRO) Water Treatment Plant (WTP) Membrane and Retrofit Project. During the construction phase of this project, staff was made aware of deficiencies related to components of the treatment plant that were not originally part of the project. The components that are deficient are the switchgear and the raw water blend system. The County’s Engineer of Record on the project, Kimley-Horn and Associates (KHA), recommended replacement of the deficient components to ensure they are updated along with the rest of the upgrades to the plant.

The SCRO WTP receives utility power from Florida Power and Light (FPL) for operation. Incoming power enters through an existing 2,000-Amp switchgear that is used to control, protect, and isolate electrical equipment. The motorized breakers in the switchgear have exhibited failures, and replacement is recommended by the County’s Engineer of Record for the project.

The SCRO WTP utilizes raw water blend to stabilize their finished water quality. The piping has had leaks before forcing Indian River County to weld “patches” in the piping to maintain operations. The blend filter recently failed forcing operations to bypass the vessel altogether. These components are past their useful life, and replacement has also been recommended by the County’s Engineer of Record for the project.

Funding:

Funds in the amount of \$483,463.83 for this project are derived from the Utilities/South WTP Membrane/South R/O Membranes & Retrofit account, number 471-169000-19503, in the Utilities operating fund. Utilities operating funds are generated from water and sewer sales. Additionally, \$6,000,000 in American Rescue Plan (ARP) funding will be utilized to fund a portion of the overall project. Those funds will be added as a reimbursement to the Utilities fund.

Description	Account Number	Amount
Utilities/South WTP Membrane/South R/O Membranes & Retrofit	471-169000-19503	\$483,563.83

Recommendation:

Staff recommends that the Board of County Commissioners approve the change order in the amount of \$483,563.83, leaving a revised total agreement with TLC Diversified, Inc., in the amount of \$11,149,079.48, and authorize the Chairman to execute the change order on their behalf.

Attachment:

1. Change Order 1 – Switchgear and Raw Water Blend Assembly.