

Indian River County, Florida  
Department of Utility Services  
Board Memorandum

**Date:** March 23, 2021  
**To:** Jason E. Brown, County Administrator  
**From:** Vincent Burke, PE, Director of Utility Services  
**Through:** Jennifer Hyde, Purchasing Manager  
**Prepared by:** Terry Southard, Operations Manager, Utility Services  
**Subject:** South County Reverse Osmosis Water Treatment Plant Part A Supervisory Control and Data Acquisition System Upgrades, Kimley-Horn and Associates Work Order 4

**Background/Analysis:**

Indian River County Department of Utility Services (IRCDUS) owns and operates two water plants: the South County Reverse Osmosis (SCRO) Water Treatment Plant (WTP) located at 1550 9<sup>th</sup> Street SW, Vero Beach, and the North County Reverse Osmosis (NCRO) WTP located at 7751 58<sup>th</sup> Ave, Vero Beach.

In 2014, Kimley-Horn and Associates, Inc., (KHA) prepared a Supervisory Control and Data Acquisition (SCADA)/Program Logic Control (PLC) System Evaluation for the two water treatment plants and provided recommendations for improvements. The study recommended phasing of the project in order to support each subsequent improvement while also maintaining operations at the plants. The recommendation has since evolved to include a redundancy and resiliency approach through the addition of a new high service pump PLC, independent of the main PLC.

Pursuant to the Agreement for Professional Services for Water Plant and Water Resources Engineering Services Request for Quotation 2019070, KHA has provided Work Order 4 to prepare bid documents, assist IRCDUS with bidding/procurement, provide construction phase services for proposed improvements, and the integration labor required to program each of the respective upgrades to the main PLC and proposed high service pump panel.

**Funding:**

Funds for this project in the amount of \$133,884.00 are derived from the Renewal and Replacement (R&R) budget in the Utilities operating fund. Utilities operating funds are generated from water and sewer sales.

Description	Account Number	Amount
WTF SCADA System Updates	47121936-044699-19536	\$133,884.00

**Recommendation:**

Staff recommends that the Board of County Commissioners approve Work Order No. 4 with Kimley-Horn and Associates, in the amount of \$133,884.00, for professional services to include design, bidding, procurement, construction phase assistance, and integration labor required to program each upgrade to the main program logic control and high service pump panel, and authorize the Chairman to execute said work order on their behalf.

**Attachment:**

1. Work Order No. 4 with KHA dated March 2021