

Indian River County, Florida
Department of Utility Services
Board Memorandum

Date: May 28, 2019
To: Jason E. Brown, County Administrator
From: Vincent Burke, PE, Director of Utility Services
Prepared By: Terry Southard, Operations Manager
Subject: Work Order No. 14 with Kimley Horn for Bulk Acid Tank Replacement at North (Hobart) County Water Plant

Descriptions and Conditions:

Indian River County Department of Utility Services (IRCDUS) operates the North (Hobart) County RO Water Treatment Plant (WTP) located at 7757 58th Avenue, Vero Beach.

Hobart was built in 1998 and expanded in 2007. As part of the 2007 expansion, a 16,000- gallon sulfuric acid tank was installed for daily water production. Typical service life for this type of a tank is 10-15 years. Therefore, the Hobart tank is nearing its useful life and needs to be replaced.

Analysis:

In April 2019, staff requested Kimley Horn submit a proposal for professional engineering services to review existing tank, piping and provide options for replacement of the tank. As part of the proposal, Consultant will also review acid consumption and the potential for a reduction in usage and subsequent storage capacity.

Per the Continuing Consulting Engineering Services Agreement for professional engineering services dated April 17, 2018, Kimley-Horn submitted a proposal for design, bidding assistance and construction management services. Kimley-Horn has submitted Work Order No. 14, which includes professional services for review, design, bidding and construction phase assistance to replace the existing sulfuric acid tank. The total negotiated cost for the professional services is a sum amount of \$ 21,710.00.

The engineer's estimated construction cost for these improvements covered in the Scope of Work for Work Order No. 14 is approximately \$130,000.00.

Funding:

Funds for this project are derived from the renewal and replacement budget in the operating fund. Operating funds are generated from water and sewer revenues. A request to roll forward the funds to cover any construction not completed by September 30, 2019, will follow at fiscal yearend.

Description	Account Number	Amount
NWTF Acid Tank Replacement	47123536-044699-19560	\$151,710.00

Recommendation:

Staff recommends that the Board of County Commissioners approve Work Order No. 14 with Kimley-Horn, in the amount of \$21,710.00, for professional services to include design, bidding and construction phase assistance to replace the existing sulfuric acid tank at the North (Hobart) County Water Treatment Plant, and authorize the Chairman to execute said work order on their behalf.

Attachment(s):

1. Work Order No.14: Bulk Acid Tank Replacement