

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

Date: August 31, 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: Water Quality Study and Potable Water Treatment Facility Evaluation

Background:

The Indian River County Department of Utility Services (IRCDUS) previously contracted with Kimley-Horn and Associates (KHA) to perform a water quality analysis, which was completed in September 2021. Data from the report is often referred to when addressing customers' complaints related to the deterioration of plumbing pipes at their residences. Although the information is helpful when addressing such concerns, the department feels as though having another water quality study performed by a consultant other than KHA, who is currently performing work at both of our water treatment facilities, would be beneficial in alleviating the concerns of customers as to the corrosivity of the finished water and its relation to the plumbing deficiencies noted by the customers.

Analysis:

The County operates two water treatment facilities to provide potable water service to its customers. IRCDUS desires to utilize Tetra Tech, Inc., via their Continuing Consulting Engineering Services Agreement for Professional Services entered into as of April 17, 2018, and extended on May 7, 2021, to provide professional engineering services to complete an additional water quality study. The proposed study is intended to focus on finished water quality as it leaves the treatment facilities, and water quality within the distribution system and how it may affect the metallic components of the customers' plumbing systems. In addition, the study will evaluate the operation of the existing treatment facilities in terms of efficiency and operation in accordance with industry standards and applicable regulations

Funding:

Funds in the amount of \$84,003.00 for this study are available in the Utilities/General & Engineering/Other Professional Services account, number 47123536-033190 in the Utilities operating fund. Utilities operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Utilities/General & Engineering/Other Professional Services	47123536-033190	\$84,003.00

Recommendation:

Staff recommends that the Board of County Commissioners authorize Work Order Number 9 to Tetra Tech, Inc., to complete the study for the amount of \$84,003.00, and authorize the Chairman to sign on their behalf.

Attachment:

1. Work Order No. 9 Tetra Tech, Inc.