

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

Date: November 4, 2019

To: Jason E. Brown, County Administrator

From: Vincent Burke, PE, Director of Utility Services

Prepared By: Arjuna Weragoda, PE, Capital Projects Manager

Subject: Upper Floridan Aquifer Groundwater Monitoring

Descriptions and Conditions:

Indian River County Department of Utility Services (IRCDUS) owns and operates two (2) regional potable water treatment plants (WTPs). The South County WTP withdraws groundwater from seven existing Upper Floridan Aquifer (UFA) production wells, while the North County WTP relies on groundwater from nine existing UFA production wells. The groundwater withdrawals from these wells are authorized by a Consumptive Use Permit (CUP-10524) issued by the St. Johns River Water Management District (SJRWMD).

Analysis:

As part of the CUP modification SJRWMD requires groundwater modeling to demonstrate no interference with other existing permitted uses. In order to validate the groundwater modeling, staff requested Kimley-Horn and Associates (KHA) prepare a proposal for groundwater monitoring. The work order will be provided in accordance with the Agreement for Professional Services Contract No. 2018008 dated April 17, 2018. The scope is more specifically described in Work Order No. 29. The total negotiated cost for the groundwater modeling in Work Order No. 29 is a sum amount of \$39,847.00.

Funding:

Funds for this project are derived from the other professional services account in the Utilities operating fund. Utilities operating funds are generated from water and sewer sales.

| Description | Account Number | Amount |
|-----------------------------|-----------------|-------------|
| Other Professional Services | 47123536-033190 | \$39,847.00 |

Recommendation:

Staff recommends approval of Work Order No. 29 and requests that the Board of County Commissioners authorize the Chairman to execute the Work Order on their behalf to engage the services of Kimley-Horn and Associates for a sum amount of \$39,847.00.

Attachment:

Work Order No. 29 with KHA. (4 Pages)