

Indian River County, Florida
Department of Utility Services
Board Memorandum

Date: June 8, 2021
To: Jason E. Brown, County Administrator
From: Vincent Burke, PE, Director of Utility Services
Prepared By: Matthew W. Jordan, Assistant Director of Utility Services
Subject: Groundwater Modeling and Impact Evaluations with CDM Smith, Amendment No. 2 to Work Order No. 5

Descriptions and Conditions:

On December 3, 2019, the Indian River County Board of County Commissioners (BCC) approved Work Order No. 5 to CDM Smith (CDM) to provide professional engineering services to update the groundwater modeling to support the Consumptive Use Permit (CUP) 10524 modification.

Analysis:

In order to support the CUP modification, staff was notified by St. Johns River Water Management District (SJRWMD) that additional model simulations were needed. Amendment No. 1 was requested to provide these groundwater modeling simulations and was approved by the BCC on March 10, 2020, for \$23,290. After reviewing the results from the latest modeling, it has been determined Amendment No. 2 is needed to provide additional model simulations to fully determine water quantities that may be available for the Indian River County public water supply. Amendment No. 2 will further evaluate modeling to determine a potential maximum withdrawal using existing wellfields, evaluate modifications to existing wellfields, and identifying potential new wellfield locations. Amendment No. 2 also will adjust the schedule to provide more time for the additional modeling work. The Amendment No. 2 to Work Order No. 5 is provided in accordance with the Agreement for Professional Services Contract No. 2018008 dated April 17, 2018, extended and amended on May 18, 2021. The scope is more specifically described in the attached documentation. The total negotiated cost for the groundwater modeling in Amendment No. 2 to Work Order No. 5 is a sum amount of \$42,180.

Funding:

Funds for this project are budgeted and available in the Other Professional Services account (47123536-033190) in the Utilities/General & Engineering operating fund. Utilities operating funds are generated from water and sewer sales.

Description	Account Number	Amount
General & Engineering/Other Professional Services	47123536-033190	\$42,180

Recommendation:

Staff recommends approval of Amendment No. 2 to Work Order No. 5 and requests that the Board of County Commissioners authorize the Chairman to execute the Amendment on their behalf to engage the services of CDM Smith for a sum amount of \$42,180.

Attachment:

Amendment No. 2 to Work Order No. 5 with CDM. *(7 Pages)*