

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

**Date:** August 27, 2024

**To:** Indian River County Board of County Commissioners

**Through:** John A. Titkanich, Jr., County Administrator  
Sean C. Lieske, Director of Utility Services

**From:** Howard G. Richards, P.E., Manager - Capital Projects

**Subject:** Approval of Work Order No. 1 to Arcadis U.S., Inc. for America's Water Infrastructure Act Risk and Resilience Assessment and Emergency Response Plan Updates, IRCDUS Project ID 00.24.518

**Background:**

Indian River County Department of Utility Services (IRCDUS) provides water, wastewater, and reuse services to major portions of Indian River County (IRC), including the City of Sebastian and Town of Orchid. IRCDUS' water system is the largest in the County with a combined annual average Consumptive Use Permit (CUP) of 12.838 million gallons per day (MGD) that serves a population of over 110,000 across an urban service area (USA) of 96.44 square miles.

On October 23, 2018, America's Water Infrastructure Act (AWIA) was signed into law. Section 2013 of AWIA amended the Safe Drinking Water Act (SDWA), to require community water systems (CWS) serving more than 3,300 people to develop or update risk and resilience assessments (RRAs) and emergency response plans (ERPs). CWS were required to self-certify, with the U.S. Environmental Protection Agency (USEPA), the completion of their AWIA compliant RRAs and ERPs by specified deadlines based on the population served. Thereafter, CWS must review, revise where applicable, and recertify their RRAs and ERPs to US EPA every five years from the original deadlines specified in the law.

Per AWIA requirements, IRCDUS is considered a large community water system (serves 100,000 people or more). IRCDUS certified completion of its RRA during the inaugural round of AWIA on March 16, 2020 (prior to the deadline of March 31, 2020). The five-year review, updates, and recertification for the RRA is due by March 31, 2025, and the ERP is due six-months after by September 30, 2025. It should be noted that the landscape of threats faced by CWS has changed since the inaugural round of AWIA. As such, CWS' are strongly encouraged to consider adding to, or bolstering, existing sections of their RRAs and ERPs based on the latest knowledge of emerging, as well as ongoing, threats to the water sector.

**Analysis:**

To meet compliance with requirements of the AWIA five-year review while ensuring that emerging threats to the water system are addressed, IRCDUS selected Arcadis U.S., Inc. (Arcadis) to provide professional engineering and technical services under its continuing contract agreement with the County dated May 2,

## Consent Item

2023. Arcadis was selected due to their vast AWIA expertise and extensive experience having completed numerous RRAs and ERPs for similar sized CWS. Upon discussion with IRCDUS staff to understand the Department's needs, Arcadis prepared the attached Work Order No. 1 (WO1) to perform work related to America's Water Infrastructure Act Risk and Resilience Assessment and Emergency Response Plan Updates (IRCDUS Project ID 00.24.518). The proposed not-to-exceed fee is \$456,330.10. Staff have determined that the proposed scope of services and fee are acceptable, and desire to proceed with Arcadis performing the proposed services for the project.

### Funding:

Funds, in the amount of \$306,331.00, for this project are budgeted and available in the Utilities/General & Engineering/Other Professional Services/Water System AWIA Updates, number 47123536-033190-24518, in the Utilities operating fund. These funds will be rolled to Fiscal Year 2024/2025, where an additional \$150,000.00 is budgeted, for a total of \$456,330.10. The Utilities operating fund budget is derived from water and sewer revenues.

Description	Account Number	Amount
Utilities/General & Engineering/Other Professional Services/ Water System AWIA Updates	47123536-033190-24518	\$456,330.10

### Recommendation:

Staff recommends that the Indian River County Board of County Commissioners approve Work Order No. 1 to Arcadis U.S., Inc. in the amount of \$456,330.10 to provide professional engineering and technical services related to America's Water Infrastructure Act Risk and Resilience Assessment and Emergency Response Plan Updates and authorize the Chair to execute the same. So long as there are no changes in the dollar amount under the work order and upon adequate completion of the work set forth in the work order, staff is directed to make final payment and release any retainage to Arcadis U.S., Inc., after review and approval by the Purchasing Manager and the County Attorney's Office.

### Attachments:

Arcadis AWIA Final Scope - Indian River County Rev 8.27.24