



**INDIAN RIVER COUNTY, FLORIDA
DEPARTMENT OF UTILITY SERVICES**

Date: March 6, 2019
To: Jason E. Brown, County Administrator
From: Vincent Burke, P.E., Director of Utility Services
Prepared By: Arjuna Weragoda, P.E., Capital Projects Manager
Subject: Work Order No. 1 with Arcadis for Design, Procurement and Construction Administration to Rehabilitate the RAS/WAS Pumps at the Central Wastewater Treatment Plant

DESCRIPTIONS AND CONDITIONS:

Indian River County Department of Utility Services (IRCDUS) operates the Central Wastewater Treatment Facility (CWWTF) located in Gifford at 3550 49th Street. The expansion to the CWWTF, which included the construction of the clarifiers, was done in 1999.

A condition assessment of the facility was conducted recently by Arcadis as a part of the County's asset management program. During this assessment, it was found that the Return Activated Sludge (RAS) Pumps and Waste Activated Sludge (WAS) Pumps as well as the associated piping and valves were in poor condition due to equipment age and environmental corrosion, and are recommended for replacement.

ANALYSIS:

In January 2019, staff requested Arcadis to submit a proposal for professional engineering services to remedy the RAS/WAS system at the CWWTF.

Per the Continuing Consulting Engineering Services Agreement for professional engineering services dated April 17, 2018, Arcadis submitted a proposal for design, bidding assistance and construction management services. Arcadis has submitted Work Order No. 1, which includes providing professional services for design, specifications/bid documents, and construction observation to rehabilitate the RAS/WAS pump system at the Central Wastewater Treatment Facility. The total negotiated cost for the professional services is a sum amount of \$66,523. The negotiated cost has been broken into different tasks.

The engineers estimated construction cost for these improvements covered in the Scope of Work for Work Order No. 1 will be approximately \$370,000.00.

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.

Description	Account Number	Amount
CWWTF RAS/WAS Rehabilitation	47123536-044699-19516	\$66,523.00

RECOMMENDATION:

Staff recommends that the Board of County Commissioners approve Work Order No. 1 with Arcadis, in the amount of \$66,523.00, for Professional Services that include design, specifications/bid documents, and construction observation services to rehabilitate the Return Activated Sludge/Waste Activated Sludge pump system at the Central Wastewater Treatment Facility, and authorize the Chairman to execute said work order on their behalf.

ATTACHMENT(s):

1. Work Order No.1: RAS and WAS pump replacement (10 Pages)