



## INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

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**Date:** March 14, 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:** Reclaimed Water Master Plan

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### **DESCRIPTIONS AND CONDITIONS:**

On November 13, 2018, the Indian River County Board of County Commissioners (BCC) authorized staff to negotiate a cost proposal for a detailed evaluation of a Re-use Master Plan using one of the engineering firms from the 2018 Continuing Consulting Engineering Services Agreement for Professional Services.

### **ANALYSIS:**

Indian River County has historically provided reclaimed water (a.k.a. re-use) to area golf courses for irrigation. Currently, the existing re-use pipe network is not pressurized. Most of the distribution of re-use is discharged to self-contained ponds via open ended pipes. The last reuse master plan study was completed in 2004. Since then, numerous changes/additions to our system have occurred.

The Florida Department of Environmental Protection (FDEP) prefers the wastewater effluent to be re-used rather than surface water discharge. Therefore, this evaluation will not only focus on hydraulic modeling and future demand, but also on regulatory compliance considerations now and potentially in to the future.

Typically, the general practice when addressing future utility funding requirements to support an expansion of pressurized re-use countywide is for the utility to first identify the capital requirements and associated timetables through engineering studies, including a capital program funding feasibility study. Therefore, the master plan is the first part of the evaluation where the County would identify the capital requirements and associated timetables to implement those requirements.

The work order has been provided in accordance with the Continuing Contract Agreement for Professional Engineering Services with Atkins dated April 17, 2018. The scope is more specifically described in the attached Work Order No. 2. The total negotiated cost for Work Order No. 2 is a total sum amount of \$174,909.

**FUNDING:**

Funding for the Reuse Master Plan is available within the Utilities Operating Fund. Operating fund revenues are generated from water and sewer sales.

<b>Description</b>	<b>Account Number</b>	<b>Amount</b>
Other Professional Services	47123536-033190	\$174,909.00

**RECOMMENDATION:**

Staff recommends approval of Work Order No. 2 authorizing the mentioned professional services and requests the Board of County Commissioners to authorize the Chairman to execute Work Order No. 2 on their behalf for a total sum amount of \$174,909.00 to Atkins.

**ATTACHMENT(s):**

Work Order No. 2 and supporting documents *(12 Pages)*