



INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

Date: February 2, 2018

To: Jason E. Brown, County Administrator

From: Vincent Burke, P.E., Director of Utility Services

Prepared By: John M. Boyer, P.E., Utilities Engineer

Subject: Reuse Transmission System Evaluation – Masteller & Moler (M&M) Work Order No. 6

DESCRIPTIONS AND CONDITIONS:

Prior to the recent agreement with Johns Island to provide 1 million gallons per day (mgd) of reuse water for irrigation, the Indian River County Department of Utility Services (IRCDUS) understood that a comprehensive evaluation of the County's reuse water system would be required. The evaluation will include the three wastewater treatment plants, reuse transmission mains, and the Hobart Road Reuse Storage and Pumping Facility. The resulting report will provide data on IRCDUS's ability to produce and move reuse water within the county, and identify parts of the system that will require improvement in the near future. It is anticipated that upgrades to the pump station at the Hobart Road facility will be required.

The purpose of this agenda item is to request the Board of County Commissioners' (BCC) guidance and approval of the following item:

- Approve Work Order No. 6 to provide a reuse system evaluation, plans and specifications, bid documents, bidding services, and construction administration/observation services for upgrades to the Reuse Storage and Pumping Facility on Hobart Road.

ANALYSIS/ENGINEERING:

Staff requested, per the CCNA procurement guidelines, that M&M submit a proposal for the evaluation of the County's reuse water system, and, if required, to prepare plans, specifications, bid documents, and provide bidding and construction administration services related to improvements to the existing reuse pump station along Hobart Road (77th Street). The work order is separated into four tasks, specifically identified as:

- Task A – Reuse System Evaluation Report
- Task B – Expansion of Pump Station (if Required)
- Task C – Bidding Services (if Required)
- Task D – Construction Administration/Observation (if Required)

FUNDING:

Funds for this project are partially derived from the Replacement & Renewal (R&R) budget in the operating fund, and partially derived from capital funding. The operating fund budget is derived from water and sewer revenues. Capital fund revenues are generated from impact fees. Furthermore, new growth has created the need for the expansion or construction of the facilities, and that new growth will benefit from the expansion or construction of the facilities.

Description	Account Number	Amount
Other Professional Services: Task A	47123536-033190	\$39,600.00
North County Reuse Pumping Expansion: Tasks B, C and D	472-169000-18514	\$24,810.00

RECOMMENDATION:

Staff recommends approval of Work Order No. 6, authorizing the professional services described above, and requests the Board of County Commissioners authorize the Chairman to execute Work Order No. 6 on their behalf for a total amount of \$64,410.00 to Masteller & Moler, Inc.

ATTACHMENT(s):

Work Order No. 6 and supporting documents (4 pages)