



## INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

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**Date:** November 5, 2018

**To:** Jason E. Brown, County Administrator

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

**Thru:** Terry Southard, Operations Manager  
Jennifer Hyde, Purchasing Manager

**Subject:** Request to Sole Source Brand Purchase Two (2) Pumps for Spoonbill Marsh

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### **BACKGROUND:**

Indian River County Department of Utility Services (IRCDUS) owns and operates two (2) regional potable water treatment facilities. The North County Reverse Osmosis (NCRO) Water Treatment Plant is rated for 11.44 million gallons per day (mgd) and provides critical potable water to County customers. The facility includes a brackish water wetland treatment and disposal site named Spoonbill Marsh (Marsh) that started operation in August 2010. Demineralization concentrate from the NCRO water treatment plant is transmitted via a 16-inch diameter pipe and blended with Indian River Lagoon water at ratios to achieve compliance with Class III marine surface waters, then discharged to a 69+ acre marsh before exiting through runnels to the Indian River Lagoon (IRL). Indian River Lagoon water is pumped into the marsh by three (3) vertical turbine pumps.

### **ANALYSIS:**

Since the start of Spoonbill Marsh in August 2010, the three (3) vertical pumps at the headworks to the marsh have experienced issues such as severe corrosion, excessive vibration, reduction in pumping efficiency and total failure. The area where the pumps are located is a harsh environment for equipment. In August 2017, IRCDUS advertised a bid to replace one (1) of the vertical turbine pumps. Three (3) companies submitted bids with Barney's Pump in Lakeland Florida, being the lowest, responsive, responsible bidder at \$49,500.00 for a National Pump Company Model H14MC, 1-stage vertical turbine pump. The new pump has been in service for approximately one (1) month and has performed very well.

In Fiscal Year (FY) 18/19, two (2) new pumps to replace existing pumps were budgeted and approved for \$110,000.00. IRCDUS is satisfied with the new pump, especially with the quality of material, pumping capability and customer service provided by Barney's Pump. To avoid having to store different spare parts for different brands of pumps, staff recommends standardizing the National Pump Company Model H14MC, 1-stage vertical turbine pump for the subject application. In order to reduce the lead time, and because of the satisfactory performance of Barney's Pump, IRCDUS suggests purchasing the two (2) identical pumps from Barney's Pump of Lakeland FL.

**FUNDING:**

Funds for the items are available in the Spoonbill Marsh Machinery and Equipment account in the operating fund. Operating fund revenues are derived from water and sewer sales.

<b>Description</b>	<b>Account Number</b>	<b>Amount</b>
Machinery & Equipment	47129236-066400	\$109,590.00

**RECOMMENDATION:**

The staff of Indian River County Department of Utility Services recommends that the Board of County Commissioners declare the National Pump Company Model H14MC pump as the sole brand for the Spoonbill Marsh facility, waive the requirement for bids and authorize the Purchasing Manager to issue a purchase order to Barney's Pump Inc. for a total lump sum amount of \$109,590.00.

Attachment: Barney's Pump Inc., Quote Number SQ011194-3