



Legislation Details (With Text)

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File created: 9/28/2018 **In control:** City Commission Regular Meeting
On agenda: 11/13/2018 **Final action:** 11/13/2018
Title: Contract No. 2019-16 with Harn R/O Systems, Inc. for the Myakkahatchee Creek Water Treatment Plant Membrane Element Replacement Project.

Sponsors:

Indexes:

Code sections:

Attachments: 1. Contract No. 2019-16, 2. Notice of Intent to Award, 3. Award Recommendation Memo, 4. Bid Tabulation, 5. RFB Submittal by Harn RO Systems, Inc., 6. RFB No. 2019-16 and Addendum, 7. Florida Division of Corporations Document

Date	Ver.	Action By	Action	Result
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TO: Honorable Mayor & Members of the North Port Commission

FROM: Peter D. Lear, CPA, CGMA, City Manager

TITLE: Contract No. 2019-16 with Harn R/O Systems, Inc. for the Myakkahatchee Creek Water Treatment Plant Membrane Element Replacement Project.

Recommended Action

Award of Contract No. 2019-16 with Harn R/O Systems, Inc. for the Myakkahatchee Creek Water Treatment Plant Membrane Element Replacement Project in the amount of \$ 222,348.44 with a contingency amount of \$ 22,234 for a total project cost of \$ 244,582.44.

Background Information

The reverse osmosis membranes at the water treatment plant experienced the loss of rejection beginning May 4, 2018. Loss of rejection means that the membranes are allowing to pass those constituents, primarily total dissolved solids (TDS), that they normally remove and typically is an indicator that the membranes are fouled or have failed. Harn R/O Systems, Inc, our quarterly service company for the system, was called and were onsite May 4, 2018. They inspected the reverse osmosis system and confirmed the loss of rejection. During a subsequent call with Harn R/O Systems, Inc., it was decided that the membranes would be probed to determine if all the membranes had failed or if the second stage might still be operational. The probing was performed on May 14, 2018 and confirmed that all the membranes had failed, likely due to exposure to an oxidant. The only proven method of restoration of membrane rejection is the replacement of the membranes. The membranes have been treating a source water with an increasing TDS and were approaching the end of their useful life.

Pursuant to the recommendation by Carollo Engineers, Utilities staff is recommending replacing the membranes with a hybrid array due to the five (5%) percent higher permeate water quality and the ability of the membranes to reject higher

values of TDS. The specifications for the project identifies three Membrane Systems Suppliers (MSS) that could provide the services associated with the project. The three MSS were as follows: Harn R/O Systems, Inc., Aerex Industries, Inc. and H2O Innovations.

The Myakkahatchee Creek Water Treatment Plant Membrane Element Replacement Project was advertised on September 7, 2018. One bid was received, opened, and read on October 9, 2018 at 2:00pm.

Staff reviewed the bid and the contractor has been determined to be qualified for the project by the Utilities Engineering Manager. Based on this information, Utilities Department recommends award of Contract 2019-16 to Harn R/O Systems, Inc.

Strategic Plan

This project supports the City's Strategic Plan goals of Enhanced Public Trust through Responsible City Government and Maintained/Upgraded/Expanded City Infrastructure.

Financial Impact

The amount of \$ 244,583 is available in the account number below and budgeted in the respective project:

Account Number	Project	Available Amount
420-6061-533.63-00	U18ROM	\$ 244,583.00

Procurement

Services for this project were procured pursuant to Sec. 2-404 of the City Procurement code Competitive Sealed Bid Process.

Vendor Information:

Harn R/O Systems, Inc. 310 Center Court Venice, FL 34285

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Prepared by: Michelle Tipp

Department Director: Richard Newkirk