



# TOWN OF HIGHLAND BEACH AGENDA MEMORANDUM

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**MEETING TYPE:** Town Commission Meeting

**MEETING DATE** 03/01/2022

**SUBMITTED BY:** Pat Roman, Public Works Director

**SUBJECT:** Approve and Authorize Town Staff to execute an agreement with Energy Recovery Inc. for the purchase of replacement membrane turbos for the Water Treatment Plant.

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## **SUMMARY:**

The adopted FY22 Water Department budget contains an appropriation of \$120,000 to replace the three (3) membrane turbos that are eighteen (18) years old and have been rebuilt once. Due to the constant exposure to salt air, constant usage, wear and tear, these turbos need to be replaced to improve reliability and plant efficiency before total failure occurs.

These LPT-250 turbos are used to boost the pressure to the second stage which allows the second stage membranes to work properly reducing the changes of scaling or fouling and produce the highest quality of water.

The replacement turnos match the existing turbos and are designed for these specific membrane trains, which will be purchased from Energy Recovery Inc., the sole manufacturer of these turbos for \$127,950.00.

Staff is recommending the use of the Article D. Direct Acquisition Procurements, (D)(i) Sole Source of the Town Purchasing Policy, to procure this product. Energy Recovery Inc., is the original and only manufacturer of the membrane turbos (sole source letter attached).

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## **FISCAL IMPACT:**

\$120,000.00 budgeted in Water Department Capital Outlay Account (401-535.000-564.000). Additional \$7,950.00 due to inflation, is available in the above mentioned account.

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## **ATTACHMENTS:**

Energy Recovery Inc. Technical & Commercial Proposal  
Energy Recovery Sole Source Letter

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## **RECOMMENDATION:**

Commission approval.