



# TOWN OF HIGHLAND BEACH AGENDA MEMORANDUM

---

**MEETING TYPE:** Town Commission Meeting

**MEETING DATE:** *November 19, 2024*

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

**SUBJECT:** Authorize approved 2025 budget dollars for Membrane Vessels

---

**SUMMARY:**

We are asking for authorization to use 2025 budget dollars on a planned and approved project for 2025. The current membrane vessel side ports have reached the end of life and need to be replaced. These are the original side ports from 2004 and need replacement.

In a reverse osmosis (RO) water plant, a membrane vessel side port connection is a specific point on the membrane pressure vessel where connections are made for the inflow and outflow of water. These side ports are crucial for directing the feed water into the membrane vessel and for allowing the permeate (filtered water) and concentrate (rejected water) to exit. The design and placement of these ports are important for the efficient operation of the RO system, ensuring that water flows through the membranes at the correct pressure and velocity to achieve optimal filtration performance.

---

**FISCAL IMPACT:**

\$61,362.92 budgeted in the 2025 WTP Improvements Other than Buildings

---

**ATTACHMENTS:**

Sole Source Letter Protec Arisawa

Protec Arisawa Quote

---

**RECOMMENDATION:**

Commission approval.