

**Agenda Item:** 2.d

**Meeting Date:** January 8, 2026

## **MEMORANDUM**

**To:** City Commission

**Through:** Jennifer K. Bramley, City Manager

**From:** Clay Watkins

**Date:** 2025-12-22

**Subject:** Award the Refurbishment of the Wastewater Treatment Facility (WWTF) Coarse & Fine Bar Screens to Hydro-Dyne Engineering, Inc., in the amount of \$144,079.71

**Presenter(s):** Clayton Watkins, P.E., Utilities & Engineering Director; and Brian Antonian, Wastewater Treatment Plant Manager

**Staff Recommendation:** Motion to approve the award of a Sole Source Purchase Order (PO) for the refurbishment of the Wastewater Treatment Facility (WWTF) Course & Fine Bar Screens to Hydro-Dyne Engineering, Inc., of Clearwater, FL, in the amount of \$144,079.71.

**Strategic Themes:** City Services & Infrastructure, Planning and Growth

**Boards & Committees:** None

**Budget Impact:** Funding is available in the Water / Sewer Fund, in Acct. #441-5265-535-4610, under Project #528505. The total cost of equipment rehabilitation is \$144,079.71.

**Past Action:** None

**Next Action:** Commence the refurbishment of the Coarse & Fine Bar Screens following the issuance of a "Notice to Proceed" (NTP), subject to Commission approval of award recommendation.

**Attachments:** [A. HDE Sole Source Letter.pdf](#)  
[B. HDE Quote \(11-14-25, updated 12-08-25\).pdf](#)  
[C. HDE Affidavit.pdf](#)  
[D. Purchasing Memo - Sole Source.pdf](#)

**Background:** The adopted FY26 budget includes funding for necessary ongoing maintenance of the Wastewater Treatment Facility (WWTF). The coarse (3/8") multi-rake bar screen, located in the headworks of the WWTF, has been in constant service since March of 2014, and requires service to extend its useful life. The

fine (1/8") "Triden" flow-through bar screen has been in constant service since July 2015, and is also in need of a major refurbishment to extend its useful life. Both bar screens were manufactured and supplied by Hydro-Dyne Engineering, Inc., (HDE) of Clearwater, Florida.

The Course and Fine Bar Screens are the first treatment processes in the WWTF; which screen out large rags, wipes, and other debris that can clog downstream pumps and consume valuable treatment capacity in the facility. Should the aforementioned debris reach the pumps or downstream treatment tanks, it can cause excessive wear and tear or failure of equipment at the WWTF.

The Coarse Bar Screen will be serviced in-place. Eight (8) rake assemblies, a new motor and new gearbox will be replaced. The Fine Bar Screen will need to be removed by a crane and sent to HDE, the original manufacturer, for refurbishment. This will include installation of re-designed wear tracks, and installation of re-designed drive sprockets to a bolt-on style; which will enable future service to be conducted in the field.

The HDE quote includes removal of the Fine Bar Screen unit with a crane, transportation to the HDE facility for service, and re-installation of the refurbished unit at the WWTF. It is estimated to take two (2) weeks for service, followed by reinstallation once the service is completed.

As such, staff hereby recommends Commission approval of the Sole Source Purchase Order (PO) for the refurbishment of the WWTF Course & Fine Bar Screens to Hydro-Dyne Engineering, Inc., of Clearwater, FL, in the amount of \$144,079.71, as detailed herein.