



AGENDA ITEM MEMORANDUM

DATE: 3/4/2025

TO: Public Works Committee

FROM: Jordan Skiff, Wastewater Superintendent

SUBJECT: Resolution 176-24-25 – Purchase of Two Digester Sludge Heat Exchangers

ISSUE

Should the Public Works Committee recommend approval of a contract with Walker Process Equipment to manufacture two E2500 Concentric Tube Heat Exchangers?

STAFF RECOMMENDATION

Staff recommends approval.

BACKGROUND/DISCUSSION

This contract is the conclusion of a two-year process to research and purchase replacement heat exchangers for our anaerobic digester process at the WWTP. Digestion is a key step in dewatering wastewater, using microorganisms to make biosolids more inert and eventually safe to use as a fertilizer. These microorganisms need to be kept at a specific temperature, so sludge is recirculated within our digester system and run through these heat exchangers to retain that temperature.

Our current heat exchangers have run reliably for many years, but are so old that the original manufacturer cannot be determined and Donohue was only able to find two manufacturers who might be able to provide in-kind replacements. Walker Process Equipment provided the lower of two quotes obtained by Donohue for this work, and is the one that best met our equipment specification.

FUNDING IMPACT

Walker's quote is \$282,400. The quote includes delivery, but our crew will install the equipment and other associated work. The 2023 CIP included \$400,000 for this purchase, but that amount was not carried over into 2024 or 2025, so the Council resolution includes a budget amendment to move the money to 2025.

IF APPROVED, NEXT STEPS:

Assuming the City Council approves the contract on March 17th, a purchase order would be issued and Walker can prepare equipment submittals for us to approve. Fabrication is estimated to take eight months after that. The installation date will not only be impacted by the delivery date, but by the outdoor temperature and operational needs of the Plant.

DEPARTMENT OF
PUBLIC WORKS

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