



City of Boynton Beach Agenda Item Request Form

Meeting Date: 08/19/2025

Proposed Resolution No. R25-222- Approving a Piggyback Agreement with Trane U.S. Inc. for the replacement of (2) DX Packaged AC Units located in the adjacent mechanical housing building at the West Water Treatment Plant and a 20-ton split system at the Utilities Administration Building, for an estimated expenditure of \$391,126.72 plus a 10% contingency, for a total expenditure not to exceed \$430,239.39.

Requested Action: Staff recommends approval of Proposed Resolution No. R25-222.

Explanation of Request:

Both Utilities Administration Building and West Water Treatment Plant have AC units from pre-2010 that still use R-410A Freon which was banned in 2020 under the American Innovation and Manufacturing Act (AIM Act) due to its global warming potential. The current AC units are also not energy efficient, having a SEER2 rating of 13.4. To meet ENERGY STAR standards, the minimum SEER2 rating required is 14.5.

The proposed new AC units will be ENERGY STAR certified using the Integrated Energy Efficiency Ratio (IEER) rating system. IEER is a performance metric used to measure the cooling efficiency of commercial HVAC (Heating, Ventilation, and Air Conditioning) systems, particularly under varying load conditions. It provides a more comprehensive assessment of system efficiency compared to single-point efficiency metrics such as SEER. To qualify for EnergyStar, the HVAC system must have a minimum IEER rating of 15.2. The proposed new units will have an IEER rating of at least 16. Modern AC units are significantly more energy efficient, reducing electricity consumption and lowering greenhouse gas emissions from power generation. The elimination of non-environmentally friendly refrigerants like R-410A lower the City's global warming potential and will also reduce the cost of energy bills.

This project was approved by the Florida Department of Environmental Protection (FDEP) as a Pollution Prevention (P2) project that the City is required to complete as a condition of the Consent Order, OGC No. 23-1330.

The estimated expenditure for replacement and installation of the two AC units in the Utilities Administration building is \$275,238.92, including a 10% contingency.

The estimated expenditure for replacement and installation of the 2 DX packaged AC units located in the adjacent mechanical housing building at the West Water Treatment Plant is \$155,001.00 with a 10% contingency.

All prices have been reviewed and verified by a Certified Public Accountant to ensure full compliance with the terms of the Contract.

Piggyback contracts significantly benefit the City of Boynton Beach by providing a cost-effective and efficient way to procure goods and services. By leveraging agreements already in place with other governmental entities, the City can avoid the time-consuming and expensive process of issuing its own competitive bids. This allows quicker access to needed resources while often securing more favorable pricing due to the economies of scale achieved through larger contracts. Additionally, piggybacking ensures the City can tap into pre-vetted vendors who have already been thoroughly evaluated, reducing administrative burdens and risks associated with vendor selection. Ultimately, piggyback contracts streamline procurement, save taxpayer money, and improve the efficiency of City operations.

How will this affect city programs or services?

Approval will enable (AC) units to offer numerous benefits, including significant energy savings, improved indoor air quality, and a chance to resize units for optimal efficiency. This will also contribute to a smaller carbon footprint and enhanced office comfort. Additionally, newer units will require fewer repairs in the future.

Commission approval will also satisfy the FDEP requirements for a Pollution Prevention project in lieu of penalties.

Budgeted Item: Yes

Account Line Item and Description: Utilities CIP Account No. 403-5000-65-02
Project Code WT2507 West Plant AC R
Project Code WT2508 Administrative Building A

Fiscal Impact: Item is budgeted. If approved, Finance will process the following Budget Transfers for a total estimated expenditure \$430,239.39:

403-5000-533-65-02 Admin Building (WT2303) \$130,240.
403-5000-536-31.90 Utilities Sustainability and Resiliency Feasibility Studies (US2501)
\$300,000

Attachments:

[R25-222 Agenda_Item_3334-2025_Resolution_Piggyback_Agreement_Trane_US.docx](#)
[Exhibit A to Resolution - Piggyback Agreement - Trane US Inc - 8.8.25.pdf](#)
[Exhibit B - Proposals.pdf](#)
[Budget Transfer-Trane AC Replacement 080725.pdf](#)
[TRANE - COI ending 4-2026.pdf](#)