



## CITY COMMISSION STAFF REPORT

**DEPARTMENT:** Public Works

**DATE:** May 14, 2024

**SUBJECT:** Motion to approve the purchase of the Trane Tracer SC controller for the Cooper City/BSO Police Station in the amount of \$28,002.00. – **Public Works**

### **CITY MANAGER RECOMMENDATION:**

The City Manager recommends that the Commission approve the purchase of a Trane Tracer SC controller to replace the currently non-operational JACE building controller. Public Works will use this controller to have functional automation controls for both buildings' HVAC units.

### **BACKGROUND OF ITEM:**

The Cooper City BSO law enforcement facility has HVAC units, unit 1S and unit 2N, which provide cooling. An automation controller operates the variable frequency drives, control relays, sensors, and VAV boxes to control the temperature in each zone throughout the facility.

In 2010, Public Works entered into an inspection and service agreement with (BAS) Building Automation Services for automation controls (Attachment #2 & #3), budgeted in line item 312-534410-539 at an annual cost of \$3,900.00.

During the installation of the new 2N Trane HVAC unit, it was discovered that the existing JACE controller is non-operational and outdated and needs to be replaced. Public Works has also experienced difficulty with BAS honoring its obligations in the agreement, and we have since notified BAS of the termination of the agreement.

### **ANALYSIS:**

The new Trane BACnet building controller will provide a web-based graphical interface that includes reporting, scheduling, and alarm management capabilities. This is a one-time purchase; there will be no ongoing annual cost for inspection or maintenance. This proposal includes 4-hour training for Public works property maintenance staff so all future adjustments and servicing can be managed (in-house).

This item is priced according to Omnia cooperative contract #15-JLP-023 for the Cooper City and Trane agreement.

**STRATEGIC PLAN:**

The replacement of this Automation controller is expected to improve proper airflow significantly, reduce energy consumption, and increase the operational efficiency in the Cooper City/BSO facility.

**PROCUREMENT:** [Sec. 2-258 Exclusions and exceptions \(d\) Cooperative purchasing](#)

**FISCAL IMPACT:**

As presented to the Commission, this proposal will be financed through the Health and Social Distancing category of ARPA funds. A \$10,000.00 Contingency Allowance for the City to use in unforeseen circumstances is requested.

<u>General Ledger Acct. Number</u>	<u>Budgeted Amount</u>	<u>FY24 YTD Activity</u>	<u>Requested Amount</u>	<u>Remaining Amount</u>
110-160-566000-519-HVAC1	\$198,625	\$160,623	\$38,002	\$0

**ATTACHMENTS:**

1. Trane Quote Number H4-FWQAA4-23-001
2. Building Automation Services Inspection Service Agreement
3. Building Automation Services Wireless internet services