

**INDIAN RIVER COUNTY, FLORIDA
MEMORANDUM**

TO: Jason E. Brown, County Administrator

FROM: Richard B. Szpyrka, P.E., Public Works Director

SUBJECT: Designation of Trane U.S. Inc., as Sole Source Provider for Installation of Bi-Polar Ionization System

DATE: November 2, 2020

DESCRIPTION AND CONDITIONS

Indian River County Public Works Facilities has been utilizing Trane U.S. Inc., to repair, replace, and refurbish Trane air conditioning systems in Buildings A and B, the Health Department, the Courthouse, Emergency Operations Center, and the IG Recreation Center. The Trane systems are controlled by Trane proprietary control systems which allows the Public Works Facilities Division to monitor and adjust the systems as needed. The Trane control systems also notifies County staff when a system is not operating in accordance with normal set protocols.

County staff has found that Bi-polar Ionization has demonstrated a 99.4% reduction rate on a SARS-CoV-2 (COVID-19) surface strain within 30 minutes of the first instance in which the bi-polar ionization air purification system is introduced into the air system. The test results were released by Global Plasma Solutions on June 10, 2020.

Bi-polar Ionization devices use electricity to create plasma fields which charge particles both positively and negatively (ions). These ions then react with the substances in the air in order to become stable again. As they react, they change the overall charge of the molecule they react with which creates a cleaning effect. This helps clean the air by combatting viruses, bacteria, dust, smoke and mold. Additionally, these devices can be used to allow energy savings by reducing the outside air ventilation needed.

The installation of the devices requires integration into the Trane control system and programming for the system to monitor and function with the Trane air conditions systems.

FUNDING

Funding for the proposed Bi-polar Ionization systems will be made available through Cares Act funding, account number 13922019-035290 in the amount of \$174,499.

RECOMMENDATION

Staff recommends the Board of County Commissioners declare Trane U.S. Inc., as the County's sole source provider for the installation of Bi-polar Ionization systems buildings that are currently part of the Trane control system utilized by the County. Staff also recommends that the Board of County Commissioners authorize Purchasing to issue a Purchase Orders in the amount totaling \$174,499 for the installation of Bi-polar Ionization systems in Buildings A & B (\$49,241), for the Emergency Operations Center (\$15,676), the IG Facility (\$16,812), and the County Courthouse (\$92,770).

ATTACHMENT

Trane Proposal for the Courthouse

Trane Proposal for Buildings A & B

Trane Proposal for the EOC

Trane Proposal for the IG Recreation Facility

Statement Regarding Lobbying

APPROVED AGENDA ITEM FOR November 17, 2020