



Interoffice Memorandum

December 11, 2020

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

~~FROM:~~ Carrie Mathes, Manager, CFCM, NIGP-CPP, CPPO, C.P.M., Manager,
Procurement Division

CONTACT: Rich Steiger, FMA, Manager, Facilities Management Division
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SUBJECT: Ratification of Emergency Purchase Order M103044, Purchase of Bi-Polar
Ionization Air Cleaning Systems

ACTION REQUESTED:

Ratification of Emergency Purchase Order M103044, Purchase of Bi-Polar Ionization Air Cleaning Systems, with Stan Weaver and Company, in the not-to-exceed amount of \$205,650.

PROCUREMENT:

This Purchase Order will provide 36 bi-polar ionization air cleaning systems, which is a safe, cost effective, and efficient solution to reducing airborne threats such as SARS-CoV-2, the virus that causes COVID-19, as well as many other indoor air contaminants in heating, ventilation, and air conditioning systems located within 36 County buildings.

FUNDING:

Funding is available in the account number 5895-019-8019-3810.

APPROVALS:

The Facilities Management Division concurs with this recommendation.

REMARKS:

Staff has verified that Stan Weaver and Company is the only authorized Global Plasma Solutions (GPS) in Orange County. GPS holds the patent for the technology that uses bi-polar ionization to generate both positive and negative ions (molecules with fewer or more electrons than normal) which move through the airstream into the living spaces of buildings. The ions interact with viruses, bacterium, molds spores, and airborne particulates, thus the chemistry of these microscopic items is disrupted by the charged particles, killing live specimens and attaching to particulates, thus creating sufficient weight to no

Ratification of Purchase Order M103044, Purchase of Bi-Polar Ionization Air Cleaning Systems

longer remain airborne. Without this equipment to neutralize airborne viruses, County employees and citizens will be at greater risk of becoming ill while inside of these buildings.

Pricing of other less effective solutions such as ultraviolet light (UV) was evaluated. While UV's initial material acquisition costs are comparable with GPS, the installation cost is much higher. UV systems also require ongoing maintenance such as annual to semi-annual lamp replacements and consume more energy, driving their total cost of ownership much higher than GPS, which requires no maintenance.

The pricing is reasonable and consistent with several prior purchases within the past year of like equipment. Therefore, award is recommended to Stan Weaver and Company.