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**PARKS, RECREATION & FACILITIES
MANAGEMENT**

Dean R. Gazza, Director

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TO: Finance Committee

FROM: Dean R. Gazza

DATE: 8/21/2023

RE: Action: Approve a sole source contract to Gulf Coast Green Energy in the amount of \$406,000 for two (2) Electratherm PowerModule PM75 Organic Rankin Cycle Generators.

BACKGROUND:

The Appleton Waste Heat to Power (AWHP) Project will install two waste heat-to-power generators for utilizing methane gas historically flared to the atmosphere. The AWHP Project will produce clean energy while consuming no additional fossil fuels thus lowering emissions. This project utilizes an otherwise flared methane gas in the existing biogas boilers, and both creates and utilizes a new renewable electricity resource for the Appleton Wastewater Treatment Plant (AWWTP). The City of Appleton has been awarded two grants in order to complete this project. Gulf Coast Green Energy and ElectraTherm have been instrumental in receiving the grants and are listed in the grants as project team members.

The award of both grants were based on the technology and compatibility of the Electrotherm Power Module 75 Units. In order to move forward with accepting the Public Service Commission Energy Innovation Grant (PSC EIG) and the Focus on Energy Custom Incentive for this project, we need to purchase the two Electrotherm Power Module 75 Units. The ElectraTherm Power Module 75 units are proprietary technology, and the project is based on installing these units.

ElectraTherm is the manufacturer of the Power module 75 units and the City cannot directly purchase these through ElectraTherm. ElectraTherm stated that the City will have to purchase the units through their distributor. The ElectraTherm distributor for our project is Gulf Coast Green Energy.

This request is to sole source the purchase of the two Electrotherm Power Module 75 Units only. We will competitively bid out the installation of the units, boiler modifications, and electrical components installation. The memo for the installation of the units and associated work will be submitted early 2024 for approval.

RECOMMENDATION:

Award the sole source contract to Gulf Coast Green Energy in the amount of \$406,000 for two (2) Electratherm PowerModule PM75 Organic Rankin Cycle Generators.

Please feel free to contact me at 832-5572 with any questions, or by email at dean.gazza@appleton.org.