Business Item 2021-242:
Industrial Control System (ICS) Host Server Hardware, Contract 21P107

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Environment Committee: September 14, 2021

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Background

- 2012 - 2020: Department of Homeland Security Cyber Security Evaluation Tool (CSET) Recommendation: All system hardware and software needs to be maintained and updated as required per the NIST 800-82R2 Cyber Security Guidance Standards.

- 2016: Current Host Hardware was purchased and installed at the MCES wastewater treatment plants and Interceptor Services. This equipment is end of life and manufacturer support in 2021.

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What is a Host Server?

- Host server hardware is the platform used to implement many virtual servers. The virtual servers are configured by software to share the required resources available on the host server.

- Virtual servers allow for faster deployment and more flexible system management, resilience and reliability. This method of implementing virtual servers instead of individual hardware servers reduces the overall carbon footprint of the system.

Metro Wastewater Treatment Plant existing Host Servers.

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Procurement Methodology

- **July 8, 2021**: Request for Quote (RFQ) sent to the State of Minnesota T-653(5) contract holders.

- **July 21, 2021**: Quotes received from seven vendors

- **July 26, 2021**: Quotes were verified for accuracy. It was determined that Paragon Development Systems, Inc and Marco were the two low responsive bidders.
  - Office of Equal Opportunity (OEO) reviewed the project for subcontracting opportunities and did not establish an MCUB goal

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Proposed Action

- That the Metropolitan Council authorize the Regional Administrator to award and execute Contract 21P107 with Paragon Development Systems, Inc. and Marco, Inc., to provide the Council with equipment from Cisco and Hewlett Packard host server hardware for the Industrial Control Systems (ICS) in an amount not to exceed a total of $523,092.

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Questions

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