



Department Source: Information Technology

To: City Council

From: City Manager & Staff

Council Meeting Date: September 8, 2020

Re: Ordinance to authorize purchasing to bid installation of the American Power Corporation cooling equipment for the IT Data Center

Executive Summary

An ordinance has been prepared to authorize installation of cooling equipment for the IT Data Center and for the Purchasing Division to prepare a call for bids. An interested parties meeting was not conducted since the construction will take place on City owned property: Daniel Boone Building west side roof.

Discussion

The IT department, with Public Works oversight, is requesting authorization to proceed with installation of the IT Data Center backup cooling project and a bid call through the Purchasing Division. The project is intended to provide backup cooling capabilities in the event the primary system goes down. This potential disaster scenario is our number one threat to our data integrity and providing uninterrupted reliable services to our internal customers and external citizens. Funds for the project have already been appropriated through the budget process. The APC equipment was purchased via a recognized cooperative contract in FY 2020. IT hired Malicoat-Winslow Engineers P.C. (mechanical engineer) utilizing the City's pre-qualified consultant's list. The services entailed preparing plans and specifications for HVAC work in the data center, designing installation of new InRow air cooled cooling units and providing plans and specifications for all electrical and mechanical installation of the project to the City. The plans are attached for your review. Funds utilized to complete the improvement project will come from the Information Technology Fund.

Fiscal Impact

Short-Term Impact: The short term impact is the cost of installation. According to Malicoat-Winslow Engineers P.C. the estimated cost for the project ranges from approximately \$72,500 - \$79,750. IT Department currently has \$77,000 budgeted for the project which was appropriated during the budget process and will be presented as an amendment to roll forward for FY 2021. A transfer will be requested if additional funds are needed
Long-Term Impact: Potential reduction in energy costs and reduce risk to data integrity in the data center.

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Secondary, Tertiary Impact: Tertiary



City of Columbia

701 East Broadway, Columbia, Missouri 65201

[Comprehensive Plan Impacts:](#)

Primary Impact: Mobility, Connectivity, and Accessibility, Secondary Impact: Secondary, Tertiary Impact: Tertiary

Legislative History

Date	Action
	None.

Suggested Council Action

Passage of the ordinance to authorize the Purchasing Department to bid out the project for the construction of the installation of the APC cooling equipment in the IT data center located in the Daniel Boone Building.