



Department Source: Information Technology

To: City Council

From: City Manager & Staff

Council Meeting Date: September 21, 2020

Re: Public Hearing - Proposed Construction of the Installation of the American Power Corporation cooling equipment for the IT Data Center.

Executive Summary

A public hearing is being held for the proposed construction of the installation of the American Power Corporation (APC) cooling equipment for the City IT data center. 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 Daniel Boone Data Center backup cooling 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 coop contract in FY 2020. IT hired Malicoat-Winslow Engineers P.C. (mechanical engineer) utilizing the city's pre-qualified consultant's list.

Construction of this project is currently scheduled to be completed during the Winter/Spring 2021. The estimated cost for the project ranges from \$72,500-\$79,750 and includes 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.

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, reduce risk to data integrity in the data center, and routine maintenance.

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

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

Comprehensive Plan Impacts:

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



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Legislative History

Date	Action
09/08/2020	R102-20 Setting a public hearing for September 21, 2020 for the proposed construction of the installation of the American Power Corporation cooling equipment for the IT Data Center.

Suggested Council Action

If, after receiving public comment, Council wishes to proceed with the project, passage of the ordinance authorizing construction of the installation of the APC cooling equipment in the IT data center.