



AGENDA ITEM NO. 18

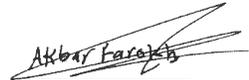
CITY OF HAWTHORNE City Council AGENDA BILL

For the meeting of February 13, 2024
Originating Department: Public Works

City Manager:


Vontray Norris

Dir. of Public Works:


Akbar Farokhi

SUBJECT:

Agreement and Purchase Order Between the City of Hawthorne and MC Electrical Inc. and S&S Power Engineering Inc. for Data Center Power System Upgrades.

RECOMMENDED MOTION:

Staff Recommends that the City Council approve the agreements and purchase order and authorize the Chief of Police to enter into and execute it on the City's behalf.

DISCUSSION:

The City's Police Department urgently needs to upgrade their data center power system. The power system supporting the City's primary data center, housed within the Police Department, was unfortunately underpowered at the time of its initial design. As our reliance on data systems and network-powered devices grows, it has become increasingly evident that the current power infrastructure not only restricts our capacity for expansion but also lacks redundancy. This presents a significant challenge as we strive to meet the escalating needs of both the Police and City services for the community.

To address these pressing issues, there is an urgent need for a new power panel to facilitate the expansion required to accommodate the rising demands on our data center. The installation of this new power panel is crucial as it will enhance our ability to distribute power more effectively throughout the data center, ensuring a robust and reliable infrastructure. Without this upgrade, the risk of tripping circuits poses a significant obstacle, impeding any further additions to the system.

Adding a second power panel isn't just a response to the present strain on our infrastructure; it's a proactive step crucial for readying our data center to handle the future growth and demands

of police and city services.

MC Electrical Inc. has established background clearance with the Police Department. This means that they have already undergone thorough vetting and are trusted to work within sensitive areas like the police department. Additionally, this upgrade is considered an emergency purchase aimed at preventing any interruptions to emergency services. MC Electrical Inc. can be swiftly engaged to ensure that the necessary upgrades are made promptly, minimizing any potential disruptions to critical services.

-MC Electrical Inc- \$92,608.97

Furthermore, the UPS power supply in the Data Center, originally set up in 2003 to support the City's data center and jail door access system within the police facility, has faithfully served its purpose. However, this UPS system has reached the end of its operational life. Despite efforts to extend its functionality through support and maintenance contracts, the manufacturer and support vendor can no longer provide assistance or replacement parts. This situation leaves us vulnerable to complete failure in case of any potential breakdown.

Understanding the crucial role the UPS unit plays as the backbone of the City's network infrastructure, the looming risk of its failure is significant. Not only does the system support police department operations, but it also impacts all city-run facilities, including services provided to our public safety partners. Given the urgency of the situation, it's vital to expedite the replacement of this unit to ensure the continued reliability and resilience of the City's data system and jail support system.

S&S Power Engineering Inc. has already undergone thorough vetting and has established background clearance with the Police Department, making them trusted to work within sensitive areas like the police department. Furthermore, this upgrade is considered an emergency purchase aimed at preventing interruptions to emergency services. S&S Power Engineering Inc. can be promptly engaged to ensure the necessary UPS upgrades are made swiftly, minimizing any potential disruptions to critical services.

-S&S Power Engineering Inc- \$135,414

ECONOMIC DEVELOPMENT STRATEGIC PLAN:

This upgrade helps maintain public safety and confidence, which are essential for attracting businesses and residents to the City. By preventing interruptions to essential services, including those related to public safety and emergency response, the upgraded generator system supports the continuity of businesses operating within the City.

Investing in upgrading critical infrastructure, not only benefits the police department but also contributes to the overall improvement of the City's infrastructure network. This can have a positive impact on the city's competitiveness, livability, and attractiveness to residents, visitors, and businesses alike.

FISCAL IMPACT:

None. These services will be funded with Facilities Funds, which are available in the adopted Fiscal Year 2023-24 Budget.

NOTICING PROCEDURES:

72 hours posted notice pursuant to the Ralph M. Brown Act

ATTACHMENT(S):

1. Agreements
2. Purchase Orders