



CITY COUNCIL AGENDA ITEM

Date: May 17, 2017

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Manager
David Roberts, Fire Chief
Gary Mayer, Police Chief
Steve Pallotta, Director of Building Operations
Joseph Haddad, Police Communications Sergeant

Subject: Standard Purchasing Resolution 2 and Budget Amendment - Generator & Replacement UPS for Police/Fire Dispatch Center

History

One of the ISO (Insurance Services Office) requirements under the Public Safety Communications section of the community grading schedule is that the dispatch center be equipped with an emergency electrical power source, and that it be tested weekly under load. A complete log of these tests is required to be maintained. Although the police department facility already has a generator, there are two critical issues with the current configuration:

1. In order to test this generator under load, it would be necessary to drop the power to the entire building momentarily during the switchover process, run the generator, and then momentarily drop the power a second time (typically an hour later) when the load is switched back to the normal utility power. These power interruptions, once a week, would cause major issues in the police department as every computer would reboot and have to be logged in again.
2. The current generator does not have the capability of interfacing to the computer network to accomplish the logging and reporting function as required by the standard.

Additionally, the UPS (Uninterruptible Power Supply) within the Police Communications Center is over 13 years old and has reached its end of life for parts, service and support. The UPS and Generator work together to provide "Clean Power" to all communications systems within the 911 Center and are considered critical infrastructure for 24-7 Police & Fire Dispatch Operations.

The overall project involves the installation of a redundant generator and replacement UPS for the Troy Police & Fire Dispatch Center. In an effort to maintain or improve the Fire Department's current ISO rating, this power upgrade project will bring the Communications Center up to the requirements of NFPA 110 and NFPA 111 related to emergency power.



CITY COUNCIL AGENDA ITEM

History (continued)

Electrical Engineering Services will be Phase I of the project in order to determine the necessary requirements for project implementation. Phase I was completed in April of 2017. Phase II will be the installation of the UPS in the 911 Center and will be completed prior to June 30, 2017. Phase III will be the Installation of the Generator and Automatic Transfer Switches and will commence after July 1, 2017 with a completion date of August 31, 2017.

Purchasing

On May 11 2017, a bid opening was conducted as required by the City Charter/Code for the purchase and installation of a UPS/Generator system. The bid was posted on the Michigan Intergovernmental Trade Network (MITN) website; www.mitn.info . Three (3) bids were received.

Companies notified via MITN	779
Troy Companies notified via MITN	1
Troy Companies - Active email Notification	1
Troy Companies - Active Free	0
Companies that viewed the bid	53
Troy Companies that viewed the bid	1

MITN provides a resourceful online platform to streamline the procurement process, reduce costs, and make it easier and more transparent for vendors to do business with the City of Troy.

Active MITN members with a current membership and paying annual dues receive automatic electronic notification which allows instant access to Bids, RFPS and Quote opportunities with the City.

Active MITN non-paying members are responsible to monitor and check the MITN website for opportunities to do business with the City.

Inactive MITN member status can occur when a company does not renew their account upon expiration. Inactive members cannot be notified of solicitations or access any bid information.

The bid pricing was analyzed by line item. Based on bid results it is recommended to award the bid low bid as specified.

Phase II

APC UPS (Uninterruptible Power Source) with 3 year warranty

Total: \$87,400.00

Phase III

Generator 70kW Standby Power System & Automatic Transfer Switch "ATS" with 5 year warranty.

Total: \$107,500.00

Financial

Police: The total cost of the UPS Replacement is \$87,400.00. Funds are available in the PD Capital Account 401.301.12.325.7975.900 and the Project# is 2017C0001.

Fire: The total cost of the Generator and ATS is \$107,500. Funds are available in the FD Capital Account 401.336.343.7975.900 and the Project# is to be determined in fiscal year 2018.

The total estimated project cost of the combined UPS replacement and emergency generator installation is \$194,900 as detailed in the attached Bid Tabulation with the selected alternates. The 2018 approved budget amount for the generator is \$90,000. There is a remaining



CITY COUNCIL AGENDA ITEM

Financial (continued)

amount of \$36,200 in the 2017 Fire Department Capital budget as a result of the Electrical Engineering Services study. A budget amendment in the amount of \$14,900 is being requested in the 2018 Fire Department Capital budget to cover the cost of the emergency generator, and bring the budgeted amount for the overall project in line with the total estimated project cost of \$194,900.

Recommendation

City management recommends awarding a contract to the low bidder meeting specifications as detailed in the bid tabulation opened May 11, 2017 to *Corby Energy of Belleville, MI* in the estimated total amount of \$194,900. City management also recommends a budget amendment to the UPS/Generator Project in the amount of \$14,900.00.

Vendor Name:

Corby Energy	Howell Construction	Troy Electric
Bellville, MI	Howell, MI	Troy, MI
Ck.# 1040869	200512989	811880
Ck. Amount \$5,000.00	\$5,000.00	\$5,000.00

PROPOSAL A - APC-UPS UNINTERRUPTABLE POWER SOURCE:

Shall have the following components, a total of three (3) APC cabinets connected together. Dimensions for each shall be 24" Wide, 36" Deep, and 81" Height. Shall include all labor, materials, parts, tools, equipment and supervision for the install and ONE (1) year Warranty.

PROPOSAL A - TOTAL COST:	\$82,000.00	\$108,000.00	\$128,843.00
---------------------------------	--------------------	--------------	--------------

PROPOSAL A - ALTERNATES:

1. WARRANTY - Cost for a TWO (2) YEAR Warranty	\$ 2,700.00	\$ 1,400.00	\$ 2,600.00
2. WARRANTY - Cost for a THREE (3) YEAR Warranty	\$ 5,400.00	\$ 1,400.00	\$ 2,600.00
3. BATTERY WARRANTY - Cost for an additional TWO (2) YEAR Warranty	\$ 11,000.00	\$ 6,500.00	\$ 5,400.00

PROPOSAL B - GENERATOR AND ATS:

Shall include all labor, materials, parts, tools equipment and supervision required for the install of the Generator and ATS and all wiring. Approved suppliers shall be Generac, Industrial Power, Kohler, Cummins/Onan and Caterpillar. Shall include a two (2) year warranty; year one (1) parts/labor and year two (2) parts only.

PROPOSAL B - TOTAL COST:	\$104,700.00	\$99,500.00	\$109,621.00
---------------------------------	---------------------	-------------	--------------

PROPOSAL B - ALTERNATES:

1. Cost for down lights (LED) to be re-fed at 120v from RP-DUPS.	\$1,500.00	\$1,000.00	\$2,800.00
2. Cost for wall-mounted lights (LED) to be re-fed at 277v from from new LP-2GAA2 (Gen2).	\$1,500.00	\$1,300.00	\$1,200.00
WARRANTY - Cost for a FIVE (5) YEAR Parts and Labor Warrant	\$2,800.00	\$1,300.00	\$1,500.00
4. MAINTENANCE AGREEMENT - Cost for a TWO (2) YEAR Maintenance Agreement which shall include a Bi-Annual Visit and Annual Load Bank Testing.	\$850/yr	\$2,800.00	\$2,900.00

CONTACT INFORMATION:

Hours of Operation:		7AM-7PM	8AM-5PM
24 Hr. Contact Phone No.	313-350-2441	248-877-8273	248-895-9421
PROGRESS PAYMENTS:	N	Y	Y
REFERENCES:	Y	Y	Y
INSURANCE:			
Can Meet	Y	Y	Y
Cannot Meet			
SIGNATURE PAGE:	Y or N	Y	Y
PAYMENT TERMS:	Net 30 days	Net 30	Net 15 days
EXCEPTIONS:	Y or N	N	Y
FORMS COMPLETED:	Y or N	Y	Y

ATTEST:

Enna Bachelor
Susan Riesterer
Shawn Hugg

MaryBeth Murz, Purchasing Manager