



CITY COUNCIL AGENDA ITEM

Date: May 31, 2016

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Manager
David Roberts, Fire Chief
Steve Pallotta, Director of Building Operations
Tom Darling, Director of Financial Services

Subject: Bid Waiver – Professional Services – Electrical Engineering Services – Generator & Replacement UPS for 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.

Project Overview

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.

Electrical Engineering Services will be the first phase of the project in order to determine the necessary requirements for project implementation.



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Purchasing

- Pursuant to City of Troy Chapter 7 - Purchases, Contracts and Sales - *exceptions* to competitive bidding include the employment of professional services.
- Comparable quotes were obtained from three (3) firms as detailed below:

<u>Firm Name</u>	<u>Amount</u>
EAM Engineers, Inc.	\$13,800.00
Mechanical Electrical Engineering Consultants	\$16,500.00
Berbiglia Associates, Inc.	\$18,600.00

- The Electrical Engineering Services will include a site survey of the building to determine existing conditions for location of the new generator, and preparation of plans and specifications for permits. The bid process and CAD files of floor plans will also be provided as detailed in the attached description of services.

Financial

The total cost of the Electrical Engineering Services is \$13,800.00 and funds are available in the Fire Department's Capital account #401.336.343.7978.020. The Project# is 2017C0010.

Recommendation

It is in the City's best interest that City management recommends waiving the formal bid process and accepting the proposal of *EAM Engineers, Inc. of Troy, MI*, in the amount of \$13,800.00 to provide Electrical Engineering Services for the emergency power for the Dispatch Center.

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