



Administrative Services Committee

Meeting Date: 9/10/2024

Sole Source – E911 Power Generator Batteries

- Department:** Central Services Department
- Presenter:** Ron Lampkin
- Caption:** Request to approve the sole source procurement from Critical Components Services in c/o with Schneider Electric for the installation of 32 new generator batteries and the replacement of 16 existing generator power batteries at E911 Emergency Services Department in the amount of \$42,174.00.
- Background:** The replacement and installation of modular batteries are a necessity as the batteries allow for a system backup of 14kW during the disconnect period of the current Automatic Transfer Switch (ATS) and the connection period of the new Automatic Transfer Switch (ATS). In addition, the E911 facility is required to comply with National Electrical Code NFPA 70-2020:
- a) **708.2 Definitions:** Designated Critical Operations Area (DCOA) – Areas within a facility or site designated as requiring critical operations power. (The 911 Building falls within this area.)
 - b) **708.20 Sources of Power:** Current supply shall be such that, in the event of failure of the normal supply to the DCOA, critical operations power shall be available within the time requires for the application. The supply system of critical operations power, in addition to the normal services to the building and meeting the general requirements of this section, shall be one or more of the types of systems described in 708.10(E) through (H).
 - i) **708.20 E – Storage Battery:** An automatic battery charging means shall be provided.
 - ii) **708.20 F – Generator Set**
 - (1) **708.20 F 5 – Outdoor Generator Sets**
 - (2) **708.20 F 6 – Means for Connecting Portable or Vehicle-Mounted Generator.** Where the COPS is supplied by a single generator, a means to connect to a portable or vehicle-mounted generator shall be provided.
 - iii) **708.20 G – Uninterruptible Power Supplies.** Uninterruptible power supplies used as the sole source of power for COPS shall comply with 708.20 (E) and (F).

In the event of the combined failure of the normal supply and the outdoor generator set, the batteries would supply power to the building until the portable or vehicle mounted generator is provided.

- Analysis:** Critical Components Services in c/o with Schneider Electric will perform the corresponding battery installations, replacement work and system configuration of the unit.
- Financial Impact:** \$42,174.00
216-03-7110/52.23110
- Alternatives:** A – Approve
B – Do not Approve
- Recommendation:** Request to approve the sole source procurement from Critical Components Services in c/o with Schneider Electric for the installation of 32 new batteries and the replacement of 16 existing power batteries at E911 Emergency Services Department in the amount of \$42,174.00.
- Funds are available in the following accounts:** \$42,174.00
216-03-7110/52.23110