



Cowpens Fire Department RFB 80 KW GeneratorRFB 80 KW Generator

constructed: 09.02.2
6
modified:
originator: A.Blanton

80 kW Emergency Generator Replacement & Installation

Project: Emergency Generator Replacement

Location: Cowpens Fire Department

Bidder: _____

Date: _____

1. PURPOSE

The Cowpens Fire Department is requesting competitive bids from qualified contractors for the removal and replacement of the existing emergency generator system and the installation, connection, commissioning, and testing of a new **80 kW standby generator system**.

The intent of this Request for Bid is to obtain a complete, turnkey installation, including all equipment, labor, materials, electrical work, gas work, permitting, testing, commissioning, and training necessary to place the new generator system into reliable operating service.

2. PROJECT SCOPE OF WORK

The successful bidder shall provide all labor, materials, equipment, supervision, permits, and services necessary to complete the following:

A. Removal of Existing Equipment

- Disconnect the existing generator from electrical and gas services.
- Remove the existing generator and associated equipment.
- Haul away and properly dispose of the existing unit and equipment.



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B. New Generator

Provide and install:

- **80 kW Cummins liquid-cooled standby generator**
- 120/208 volt
- 3-phase
- 60 Hz
- 1,800 RPM
- Installation on the **existing generator pad**
- Delivery and placement of the generator, including crane truck or other equipment necessary to safely set the unit in place.

C. Automatic Transfer Switch

Provide and install:

- **400 Amp Cummins Automatic Transfer Switch**
- 120/208 volt
- 3-phase
- Complete connection between the ATS, existing electrical system, and new generator.



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D. Electrical Work

The contractor shall provide all electrical labor and materials required for a complete installation, including:

- Disconnecting the existing generator.
- Installation and connection of the new automatic transfer switch.
- Electrical connection between the ATS and new generator.
- Required electrical materials, conduit, wiring, terminations, supports, and associated installation components.
- Any additional electrical work required for a complete and operational system.

E. Natural Gas Connection

- Disconnect existing generator gas connection.
- Reconnect the new generator to the existing gas system.
- Provide and install a new **Norgas regulator**.
- Provide all required fittings, piping, supports, and materials necessary for a complete gas connection.

F. Permitting and Administrative Requirements

The successful contractor shall be responsible for applicable:

- Permits
- Inspections
- Administrative requirements
- Coordination with applicable authorities and utilities
- Project supervision and qualified personnel



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3. WARRANTY, MAINTENANCE & MONITORING

The bid shall include the following:

- **10-year extended warranty / Premium Protection Package**
- **1 year of liquid-cooled generator maintenance**
- Two maintenance visits during the first year
- **1 year monitoring subscription**
- Surge protection

4. START-UP, COMMISSIONING & TRAINING

The successful bidder shall provide:

- Generator start-up and commissioning
- System verification
- Load testing
- Verification of automatic transfer operation
- Operational testing of the complete system
- Training for designated Cowpens Fire Department personnel
- Documentation of commissioning and testing

5. COMPLETE TURNKEY BID

Bidders shall provide a **complete turnkey price** for the project.

The bid shall include all labor, equipment, materials, transportation, crane/setting costs, permits, supervision, administrative costs, testing, commissioning, and other costs necessary to complete the project.



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Any exclusions, allowances, assumptions, or additional costs shall be clearly identified in the bid.