

Senior Center/HCTV Center
Standby Generator
Request for Bids
December 15, 2014

General

The Town of Hudson, N.H. is seeking bids for a new 100 KW Standby Electrical Generator for the Senior Center/HCTV Center located at the Benson Park property on Kimball Hill Road, Hudson NH.

Bids for the equipment package desired shall generally contain the following features. Any variation to the requested equipment features shall be identified by the bidder.

1. Natural Gas, Electrical Generator set. Capacity to be 100 kw, 125kva at .8 power factor, 120/208v, 3 phase 60hz
2. Solid State Controls
3. Battery Warmer
4. Battery Charger
5. Block Heater
6. Critical grade silencer package
7. Start-up
8. Load testing
9. Training for key Town personnel
10. All equipment to be fully weather proof and built to stand alone
11. Built in the U.S.A.
12. Additional Equipment as specified

The successful bidder will be responsible for the following:

1. Coordination of all related site work and trenching with Town of Hudson DPW staff.
(Trenching and pad site prep will be done by Town staff)
2. Design and building of the concrete base pad for the generator. Pad to be minimum 8" thick 3500 LB concrete with 1/2" Re-bar arranged in 12" x 12" grid. Pad to extend 18" Larger than generator in all directions. Generator to be bolted down to concrete pad in accordance with manufacturer specifications.
The cost for the concrete pad shall be included as part of the total project cost.
3. Supply and install conduits to complete existing "stubs" for the project.
4. Supply and install 5 six inch bollards, in concrete, located around the unit to prevent vehicle contact with unit.
5. Supply and install conduits and conductors to existing transfer switch -
Make connections for Transfer switch, battery charger, battery warmer and block heater.
6. Supply and install a "Service Entrance Rated" Generator disconnect within sight of the generator per NEC requirements. (Location to be determined)
7. Supply and install gas piping and regulator for sized for the 100 KW GenSet. Existing pipe connection starts INSIDE water and sprinkler room. Piping shall be converted to an underground installation where it penetrates the building. It shall be run underground to the generator location. (A 4" sleeve is in place anywhere the pipe run will run under concrete slabs or pavement)
8. Coordination for start-up, testing and training
9. Obtain ALL required permits and coordinate inspections. Fees for permits will be waived by the Town.

Bidder Responsibility

The bidder shall quote equipment that is built in the United States by a manufacturer who has been regularly engaged in production of engine alternator sets and associated controls for a minimum of ten years so there is one source of supply and service.

Manufacture Qualifications

Equipment quoted shall be of good quality and have a demonstrated history of reliability. The installer of the generator shall be authorized by the manufacturer as an authorized generator installer is a requirement of maintaining the generator warranty.

Manufacturers Requirements

Single manufacturer responsibility for the complete engine generator set include the manufacture of the engine and/or the alternator, building of set, factory test, factory warranty and shipping. Coordination between manufacturer, distributor and contractor is essential.

The manufacturer shall have printed literature and brochure describing the standard series offered (not a one of a kind fabrication). The manufacturer shall provide schematic and wiring diagrams for the complete standby power system.

Supplier Qualification

The successful vendor must be engaged in supervising installation of and servicing engine generator sets and must be a factory authorized service organization with factory trained service technicians. Firms must be within a 50 mile radius of the project, maintain stock of standard spare parts and offer 24 hour service availability, 7 days a week.

System Components

Engine

The engine shall be Natural Gas fueled, 4 cycle, water cooled with mounted radiator, fan, water pump, and closed recovery system. The radiator shall be capable of providing sufficient cooling capabilities for operation in 110 degree Fahrenheit ambient temperature. It shall have sufficient HP rating to provide continuous service at 100% capacity.

The engine shall have hard faced exhaust valves with rotators. Lubrication shall be full pressure as supplied by a positive displacement lube oil pump. The engine shall be equipped with a dry type air cleaner and oil filter with replaceable elements. Gas connection size will be clearly identified in National Pipe Thread.

General Options

1. Bidder shall provide cost of an extended warranty that covers all systems and components
2. Bidder shall provide cost for an extended service and preventative maintenance agreement

Timeline/Schedule

The Town of Hudson has designated the following activities and dates as key to the project schedule.

RFP Issued:	December 15, 2014
Proposals Due:	January 6, 2015 at 10:00 am
Proposal Review Process:	January 6, 2015
Recommendation to the BOS:	January 13, 2015
Work to Begin:	TBD

Submission of Proposal

Please furnish one original and three (3) copies of your proposal to the Town Clerk - Town of Hudson, 12 School Street, Hudson, NH 03051. All submissions shall be marked Town Clerk-Senior Center/HCTV Center Generator. Submissions are due by January 6, 2015, no later than 10 a.m. Any proposal received after such date and time will not be accepted. Facsimile or electronic versions are not acceptable.

Terms and Conditions

1. The proposal shall remain valid for ninety (90) days.
2. The Town of Hudson reserves the right to select the firm it feels is most qualified based on information submitted, waive any information or irregularities and to choose a firm determined to be able to perform in the best interests of the Town of Hudson.

Contact

Address all questions or comments in writing to:

Bernie Manor
C/O Board of Selectmen Office
Town of Hudson
12 School Street
Hudson, NH 03051

(603) 886-6024
bmanor0@comcast .net

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