

The purpose of this solicitation is to select a licensed and qualified Contractor to install a backup generator at the new Animal Control Facility located at 12280 CR 448, Tavares Florida, 32778. Unless otherwise noted, the Contractor shall provide all required labor, material, equipment, plans, engineering, surveys, permitting and local and state inspections to provide 100% turnkey project. Change orders shall not be issued for incidental items or tasks that should have been reasonably construed to be part of the project by the Contractor. This work is tentatively scheduled for the month of July 2020.

This procurement action will be formalized by an agreement. A sample agreement is provided in Exhibit D of this Invitation to Bid.

SCOPE OF WORK

- 1) The generator shall be 150 KVA/ 125 KW three (3) Phase powered by natural gas that shall automatically power the building during power outages or brown outs.
- 2) Unit shall comply with Local, State, and Federal regulations for permanent mount emergency generators.
- 3) Unit is to be rated for Standby Use. Standby Use is defined as emergency power for the duration of an outage with the average load factor of these gen sets is 70 percent, with a maximum operating time of 500 hours per year.
- 4) Unit shall meet current EPA requirements for Natural gas generators regulated by 40 CFR Part 60 Subpart JJJJ Generator shall be U.L. 2200 Listed.
- 5) Unit shall be liquid cooled and capable of operating between -20° and 131° Fahrenheit.
- 6) A light that indicates when the generator is running shall be installed on the outside of the unit.
- 7) 120 Volt A.C. powered D.C. battery to maintain charger with Ammeter and float switch to prevent over charging.
- 8) D.C. starting battery with rack and cables installed.
- 9) All components shall be DC Volt:
Analog Engine/Generator Control panel: AC Ammeter, AC Voltmeter, Frequency Meter, Running Time Meter, Engine Oil Pressure Gauge, Water Temperature Gauge, Line Reading Selector Switch, Off/Auto/Manual Switch, Auto Start Engine Controller with Fault Lights for Over Speed, Over Crank, Low Oil Pressure, and High Water Temperature.
- 10) Connections for the natural gas and electrical will be stubbed up by the owner at the location of the generator install. The generator and all controls shall be capable of interfacing with the owner supplied and installed automatic transfer switch.
- 11) Sound attenuated weather resistant enclosure must be polyester powder coated galvanized steel, capable of wind force of up to 75 mph, gust wind of up to 150 mph, and rain exposure of up to 100mm/hr.
- 12) Unit shall be supplied with a critical grade spiral type silencer mounted inside the weather resistant sound enclosure.
- 13) Stainless steel exhaust flex.
- 14) Alternating current brushless generator

- 15) Thermally protected main line set mounted circuit breaker
- 16) Steel channel skid-base vibration isolators
- 17) Dry type air cleaner
- 18) Engine block heater
- 19) Safety shutdowns for high water temperature, low oil pressure, over speed and over crank.
- 20) All units are to be factory load tested and certified
- 21) Hurricane rated concrete pad designed and approved by the manufacturer for use with the generator shall be installed by the Contractor.
- 22) Generator will be placed at the location shown on the plans.
- 23) A generator status panel shall be installed in the building at a location provided in the plans. Wiring by owner.
- 24) All equipment, labor and material shall be warranted a minimum of two (2) years.
- 25) At no additional cost to the County, the contractor shall provide training to County personnel in the proper and safe operation and preventative maintenance of the generator.

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