



CHANNAHON FIRE PROTECTION DISTRICT

24929 S. CENTER STREET
CHANNAHON IL 60410

815-467-6767
FAX: 815-467-5081



Cummins 80KW, 60 Hz Standby Natural Gas Genset. U.S. EPA Stationary Emergency Application

The Channahon Fire Protection District is seeking bids to replace its stand-by generator due to the age of the current one. It is expected that the electrical contractor handles the scope of the job to include ordering the generator, manage the removal of the existing generator, installation of the new generator and related equipment, and coordinate with the generator manufacturer for the start-up and load-bank testing upon completion.

The generator shall be purchased through Sourcewell using the Channahon Fire Protection District's Account number, available from DC Jeff Toepper.

Item #1 Cummins C80N6, 80kW, 60Hz, Standby, Natural Gas/Propane Genset. U.S. EPA, Stationary Emergency Application

- C80N6, 80kW, 60Hz, Standby, Natural Gas/Propane Genset
- Duty Rating - Standby Power (ESP)
- Emissions Certification - SI, EPA, Emergency, Stationary, 40CFR60
- Listing - UL 2200
- NFPA 110 Type 10 Level 1 Capable
- Exciter/Regulator - Permanent Magnet Generator, 3 Phase Sensor
- Voltage - 120/208, 3 Phase, Wye, 4 Wire
- Alternator - 60Hz, 12L, 208/120V, 105C, 40C Ambient, Increased Motor Starting (IMS)
- Alternator Heater, 120 Volt AC
- Aluminum Sound Attenuated Level 1 Enclosure, with Exhaust System
- Enclosure Color - Green, Aluminum
- Enclosure - Wind Load 180 MPH, ASCE7-10
- Larger Battery Rack
- Skidbase - Housing Ready
- Control Mounting - Left Facing
- PowerCommand 1.1 Controller
- Gauge - Oil Pressure
- Warning - Low Fuel Gas Pressure
- Stop Switch - Emergency
- Control Display Language - English
- Load Connection - Single
- Circuit Breaker, Location A, 125A - 400A, 3P, LSI, 600 Volts AC, 100%, UL
- Circuit Breaker or Terminal Box (Position B) - None
- Circuit Breaker or Terminal Box (Position C) - None
- Engine Governor - Electronic, Isochronous
- Single Gas Fuel - NG or LP Vapor
- Engine Starter - 12 Volt DC Motor
- Engine Air Cleaner - Normal Duty



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- Battery Charging Alternator
- Battery Charger - 6 Amp, Regulated
- Engine Cooling - Radiator, High Ambient Air Temperature, Ship Fitted
- Shutdown - Low Coolant Level
- Extension - Coolant Drain
- Engine Coolant - 50% Antifreeze, 50% Water Mixture
- Coolant Heater, Extreme Cold Ambient
- Engine Oil Heater - 120 Volts AC, Single Phase
- Engine Oil
- Cummins Certified Test Record
- Standby 5 Year 2500 Hour Parts+Labor+Travel
- Literature - English
- Packing - Skid, Poly Bag
- Extension - Oil Drain

Item #2 OTECC, OTEC Transfer Switch-Electronic Control: 300A

- OTEC300, Transfer Switch, PowerCommand, 300 Amp
- Listing - UL 1008/CSA Certification
- Application - Utility to Genset
- Cabinet - Type 1
- Poles - 3 (Solid Neutral)
- Frequency - 60 Hz
- System - 3 Phase, 3 or 4 Wire
- Voltage - 208 Volts AC
- Genset Starting Battery - 12V DC
- PC40 Control
- Interface - Communications Network, MODBUS RTU Module
- Relay - Elevator Signal
- Transfer Switch Warranty - 5 Year Comprehensive

Item #3 Fuel Strainer-Gaseous, 2"NPT Inlet/Outlet

Item #4 Annunciator-panel mount with enclosure (RS485)

Item # 5 Service - start up batteries and 2 hour load-bank testing



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Proposal Submissions

All packets shall be returned in person or via email to:

Channahon Fire Protection District
c/o Jeff Toepper, Deputy Fire Chief
24929 S. Center Street
Channahon, Illinois 60410
jtoepper@channahonfire.com

ATTN: Station 1 Generator

Sealed Bids will be accepted at the Fire Station until 12:00 PM on December 2, 2024, and no late bids will be accepted. The sealed bids will be publicly opened at the Fire Station at 1:00 PM on December 2, 2024, at Fire Station 1. The Channahon Fire Protection District reserves the right to reject any or all bids received, to waive any formalities or technicalities of the Bid or to reject any non-responsive bid in the interest of the Channahon Fire Protection District.

Direct questions to Jeff Toepper, Deputy Fire Chief at 815-467-6767 or jtoepper@channahonfire.com