

# BRAGGS VOLUNTEER FIRE DEPARTMENT



P.O. BOX 149 \* 109 W PATRICK

BRAGGS, OK 74423

918-487-5952 \* fax 918-487-5024



TDD #711

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Muskogee County Commissioners,

The Briggs Fire Department would prefer to accept the bid for generators from Generator Supercenter in the total amount of \$65340.

If you have any questions or need further information, we can be contacted at the numbers listed above.

Thank you,

Timmy R. Smith

Briggs Fire Chief

Rebecca J. Smith

Briggs Town Clerk

*This institution is an equal opportunity provider and employer*



**TERMS AND CONDITIONS**

1. Sealed bids will be opened in the Commissioner's Conference Room, Muskogee Service Building  
County Courthouse, Muskogee, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F O B destination.
5. Purchases by \_\_\_\_\_ County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until 08/01/2022 9:30am  
(DATE)

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding, or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract, or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this 28<sup>th</sup> day  
of July 20 22



My commission expires 6-20-2026  
Lauren S. Admire  
NOTARY PUBLIC (CLERK OR JUDGE)

Signed by Lauren S. Admire Title Generator Superintendent of OKC  
(MANUAL SIGNATURE OF UNDERSIGNED)  
Address 3800 NE 104<sup>th</sup> South, 600 Phone: 855-996-9797  
City: Oklahoma City State OK  
Zip 73131



THE STANDBY POWER PEOPLE<sup>®</sup>

Serving all of Oklahoma and Northwest Arkansas

[www.generatorsupercenterofoklahoma.com](http://www.generatorsupercenterofoklahoma.com)

855-996-9797

Invitation to Bid

Bid #47

Muskogee County Purchasing Office

Fire Station 1

38kW Generac Generator with 400amp auto transfer switch

Single Phase/Propane

Installed

\$27,360.00

Fire Dept. Water Supply

35kW LP Generac Generator (replacing 30kW)

Three Phase 120/240V

Replacing steel gas line

All connections, set and installed

400amp Auto Switch

\$37,980.00

38kW lead time for installation once accepted is 90-120 days

35kW lead time once accepted is 20-24 weeks (possibly sooner)





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Braggs Fire Department  
P.O. Box 149  
Braggs, OK 74423

G J Edwards  
Henry Edwards  
7/11/22

SCOPE OF WORK

Location: Fire Station 1

Equipment Proposed:

Quality 1- Industrial gaseous engine-driven generator, 2.4L 4-cylinder engine, installed and consisting of the following features and accessories:

Stationary Emergency Generator

- Type.....Synchronous
- Rotor Insulation.....Class F
- Stator Insulation.....Class H
- Telephone interference Factor (TIF) < 50
- Bearings.....Sealed ball
- Coupling.....Flexible Disc
- 36kW rating, wired for 120/240 VAC Single phase, 60Hz
- Standard Weather Protective Enclosure,
- EPA Certified

Engine

- Model..... In line
- Cylinders and Arrangement.....4
- Displacement.....2.4 Liter
- Rated Synchronous rpm..... 60 Hz, 1800
- Bore.....86.5mm (3.41 in)
- Stroke.....100 mm (3.94 in)
- Compression Ratio.....9.5- to-1
- Air Intake System.....Turbocharged/Aftercooled
- Valve Seats.....Hardened
- Lifter Type.....Hydraulic

Engine Parameters

- Rated Synchronous rpm.....60 Hz, 1800

Exhaust System

- Exhaust flow at Rated Output 60 Hz.....300 cfm
- Exhaust Temp. at Rated Output.....1075 °F

Governor

- Type.....Electronic
- Frequency Regulation.....Isochronous

Engine Lubrication System

- Type of Oil pump.....Gear
- Oil Filter.....full Flow Spin on, Cartridge
- Crankcase Oil Capacity.....4 U.S. Qts ( including filter capacity)

#### Cooling System

- Type.....Pressurized Closed Recovery
- Water Pump.....Delt Driven
- Fan Speed.....1500 rpm
- Fan Diameter.....22 inches
- Fan Mode.....Puller
- Air Flow (inlet air including alternator and combustion air) 2200 ft 3/min
- Coolant Capacity.....2.5 U.S. Gal.
- Heat Rejection to Coolant.....145,000 Btu/h
- Maximum Operation Air Temp on Radiator.....60 °C (150 °F)
- Maximum Ambient Temperature.....50 °C (140 °F)

#### Fuel System

- Type of fuel.....Propane
- Carburetor.....Down Draft
- Secondary Fuel Regulator.....Standard
- Fuel Shut-off Solenoid.....Standard
- Operating Fuel Pressure.....5 in – 14 in Water Column

#### Electrical System

- Battery Charge Alternator..... 12 V, 30 Amp
- Static Battery Charger.....2.5 Amp
- Recommended Battery.....Group 26, 525CCA
- System Voltage.....12 Volts

#### Voltage Regulator

- Type.....Electronic
- Sensing.....Single Phase
- Regulation.....± 1%
- Features.....Adjustable Voltage and Gain

S. J. Edwards  
L. A. Edwards  
7/1/22

Location: Braggs Fire Department Water Supply

Equipment Proposed:

Quality 1- Industrial gaseous engine-driven generator, 4.5L 4-cylinder engine, consisting of the following features and accessories:

- Stationary Emergency Standby rated
- 35kW rating, wired for 120/240 VAC three phase, 60Hz
- With upsized 60kW alternator
- Permanent Magnet Excitation
- MLCB, 80% rated thermal-magnetic
  - 125 amp
- LP Vapor fuel System
- Standard Weather Protective Enclosure,
  - Steel Industrial Grey Baked -On Powder Coat Finish
- EPA Certified
- cETLus
- Power Zone Pro Digital Control Panel for Single Generators
  - Meets NFPA 99 and 110 requirements
  - Temp Range -40 to 70 degrees C
  - Humidity 2- 95% (Non Condensing)
  - UL6200
  - C-ETL-US
  - CE
  - FCC
  - IEC801 (Radiated Emissions, Susceptibility, and Surge Immunity)
  - 4.3" Resistive Color Touchscreen
    - Built-in WiFi, Bluetooth, and Webserver (Via Power Zone Connectivity Server)
    - IP65 (Front)
    - Auto/Manual/Off key switch, Alarm Indication, Not in Auto Indication, Audible Alarm, Emergency Stop Switch.
  - Dual Core Digital Microprocessor
    - RS485, Ethernet and CANbus ports
  - All Engine sensors 4-20ma for minimal interference
    - Sensors: Oil Pressure, optional oil Temp, Coolant Temp and Level, Fuel Level/Pressure (where applicable), engine speed, DC Battery Voltage, Run-time Hours, Generator Voltages, Amps, Frequency, Power, Power Factor
    - Alarm Status: Low or High AC Voltage, Low or High Battery Voltage, Low or High Frequency, Pre-low or Low Oil Pressure, Pre-high or High Oil Temp (Optional), Low Water Level and Temp, Pre-high or High Engine Temp, High, Low, and Critical-low fuel Level/Pressure (Where applicable), Overcrank, Over and Under Speed, Unit not in Automatic.
    - Programmable I/O
    - Built-in PLC for special applications
  - Engine function monitoring and control:
    - Full range standby operation: programmable auto crank, Emergency Stop, Auto-Off-Manual switch.
    - Isochronous Governor
      - 0.25% digital frequency regulation with: soft-start voltage ramping, adjustable, gain of sensing protection- adjustable, negative power limit-



adjustable, Hi/Lo voltage limit – adjustable, V/F slope and gain – adjustable, fault protection.

- Service Reminders, trending, fault history (alarm log)
- I2T function for full generator protection
- Selectable low-speed exercise
- 2-wire start controls for any 2-wire transfer switch
- 90 AH, 700 CCA Group 27F Battery, with rack, installed
- Block Heater, 1500 watt
- Std Heavy Duty Air Cleaner
- Battery Charger, 10 Amp, NFPA 110 compliant, installed
- 120V GFCI and 240V Outlet
- Flex Fuel Hose, loose
- Critical Grande Silencer
- Std set of 3 manuals
- Standard 2-year Limited Warranty

Project Management Services:

- Off loading, Installation
  - Including all exhaust systems, fuel piping, remote annunciators and any other system accessories.
- Start up
- Training of operators
- Factory load bank testing
- Submittal drawings
- Dimensional drawings, electrical drawings, product specifications
- Production testing
- Technical assistance
- Operation and maintenance manuals for engine, generator.