

Date: October 20, 2017



Proposal No. EPG238236rev2

8050 County Road 101East
Shakopee, MN 55379
952-887-4574

To: City of Ramsey

Re: Caterpillar Standby Generator
NJPA Contract #080613 – Ramsey Member #17939

Attn: Mr. Grant Riemer

“Well House No. 3”

WE PROPOSE TO FURNISH IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, TERMS AND CONDITIONS

- QUANTITY: One (1) new Caterpillar generator set in level 2 outdoor insulated/sound attenuated Enclosure rated 73dBA @ 23 feet
- MODEL: D200 (Diesel)
- RATING: 200kW Standby Rated
- VOLTAGE: 480/277 volts, 3 phase, 4 wire, 60 HZ, 1800 RPM
- CIRCUIT BREAKER: One (1) ABB mainline adjustable LSI circuit breaker, 400 amps
3 poles, 100% rated w/ aux contacts & shunt trip
- FUEL TANK: UL listed 408 gallon sub base fuel tank, 24 hour capacity, locking fuel fill
- SWITCHGEAR: None
- WARRANTY: Four (4) years, 2000 hours
- INSTALLATION: By others

CATERPILLAR LIST PRICE:	\$ 68,195 .00
NJPA DISCOUNT 33%:	<u>(\$ 25,504 .35)</u>
GENERATOR PRICE:	\$ 42,690 .65
FACTORY FREIGHT:	\$ 3,900 .96
DEALER PREP:	\$ 3,859 .00
DELIVERY TO RAMSEY, MN:	\$ 765 .00
STARTUP :	<u>\$ 2,469 .00</u>
NJPA BID PRICE:	\$ 53,684.61*

**Please refer to the attached Bill of Material.*

APPROXIMATE SHIPPING: 12-14 weeks after submittal approval

F.O.B. Jobsite, on truck

TERMS: Net 20 days

THIS PROPOSAL SUBJECT TO ALL PROVISIONS OF THE CONTRACT AND WARRANTY ON REVERSE SIDE

ACCEPTED:

Respectfully submitted,
ZIEGLER INC.

By: Logan Cameron
Logan Cameron, Sales Engineer

By _____ Subject to approval by
ZIEGLER INC.

APPROVED:

Its _____ By _____

BILL OF MATERIAL

EPG238236rev2

- 1 -

ONE (1) EMERGENCY STANDBY GENERATOR SET, RATED AT 200KW STANDBY, 3 PHASE, 60 HZ, 480/277 VOLT, 1800 RPM.

ENGINE SPECIFICATIONS

Meets EPA Regulations – UL2200 listed / NFPA110 Compliant

C7.1 In-line 6, 4-cycle diesel

Electronic governor

Oil filter, spin-on type

Radiator cooling system, blower fan

Water pump

12V. DC starting system

Jacket water heater, 120 volt, 1500 watt

Alternator, 30 ampere, 12 VDC

Fuel system: Diesel

STANDARD ENGINE SAFETY FEATURES

Shutdowns with individual warning lamps

Fail to start / over-crank

High coolant temperature

Low lube oil pressure

Over-speed

Over-voltage

GENERATOR SPECIFICATIONS

Class H insulation, rotor and stator, single bearing design

Flexible coupling

Brushless excitation

Solid-state regulator, +/- 1. % regulation

Permanent magnetic generator (PMG)

Generator anti-condensation heater

UL mainline circuit breaker, 400 amps, 3 poles, 100% rated, adjustable LSI trip, shunt & aux contacts

SYSTEM CONTROLS

• Voltage (all phases) • Current (all phases)

• Power factor • kW

• KVAR

• Transfer switch status

• Engine speed

• Low fuel pressure

• Run hours

• Service reminders

• Fault history

• Oil pressure

• Coolant temperature

• Time and date

• Low oil pressure shutdown

• High coolant temperature shutdown

• Overvoltage

• Over-speed

• Low coolant level

• Exercise speed

• Protection

BILL OF MATERIAL

EPG238236rev2

- 2 -

Fail to start shutdown
Low oil pressure shutdown
Low/High battery voltage
Battery charger failure
Under-speed/Over-speed
Loss of engine speed detection□□

- IT function for alternator protection from line to neutral and line to line short circuits
- Emergency stop
- Programmable auto crank function
- 2 wire start for any transfer switch
- Adjustable engine speed at exerciser
- RS232 port for GenLink® control
- RS485 port remote communication
- Canbus addressable
- Governor controller and voltage regulator are built into the master control board
- Temperature range -40 °C to 70 °C

SWITCHGEAR

NONE

ANCILLARY EQUIPMENT

Enclosure, Level 2 outdoor insulated/sound attenuated rating of 73dBA @ 23 feet
Dual wall UL listed sub-base fuel tank, 24 hour capacity (408 gallons), lockable fuel fill cap
Color, CAT White
Battery charger, 10 ampere, static, generator mounted
Battery, with battery rack and cables
Exhaust silencer
Exhaust-flex connector
Motorized louvers, 100A load center panel, gravity dampers
Interior AC lights
GFCI convenience outlet

PROJECT MANAGEMENT SERVICES

Submittal drawings

- { Dimensional drawings
- { Electrical schematics
- { Product specifications

Prototype testing/Production testing

Jobsite startup

- { Operation and maintenance manual, Engine, generator

Warranty, four (4) years – 2000 hours (**included at no cost with NJPA purchases*)

Four (4) hours training of owner's personnel - at the time of jobsite testing and start-up

Four (4) hour load bank testing on site

Delivery to jobsite by Ziegler CAT

COMMENTS AND CLARIFICATIONS

Installation provided by others

Fuel not included

Crane is not included

Concrete pad is not included

BILL OF MATERIAL

EPG238236rev2

- 3 -

NOTES

Ziegler limits the scope of supply for this quotation to the equipment and services listed.

Equipment not listed is assumed to be provided by others.

Ziegler cannot provide air emission permits for customers. We will provide emission information on the Caterpillar engine to the owner to aid in the permitting process.

Orders are subject to re-stocking charges if cancelled after release for production.

Mechanical and electrical installation provided by others.

State and local permits for fire, air, fuel tanks or building permits are not included and provided by others.

Start-up labor is to be performed during normal business hours, Monday through Friday 7:30 am to 4:00 pm. Training is to be performed at the end of start-up. Additional trips or delays required or requested due to contractor delay and/or issues with equipment not provided from Ziegler Power Systems will be billed at published field service rates.

Terms:

- Extension of contract beyond term must be at the mutual agreement of the parties.
- Ziegler Inc. shall not be liable for consequential damages or damages beyond our control.
- This quotation is subject to availability at time of order
- Customer is responsible for adequate site conditions and security.
- Customer is responsible for scheduled maintenance and fuel costs.
- Customer must provide adequate insurance to cover equipment damage or loss.
- Price(s) do not include state or local sales and/or use taxes.
- Quotation is valid for 90 days.

PROVISIONS OF THE CONTRACT AND WARRANTY

The prices quoted are current and are subject to change to those in effect at the time of shipment. Caterpillar products are sold subject to the terms of the applicable Caterpillar warranty. Copies of the warranties applicable to this purchase are attached hereto, and the purchaser by signing this order acknowledges receipt of the Caterpillar warranties on Forms.

The Purchaser agrees to pay any and all taxes, assessments, licenses, and government charges of every kind and nature whatsoever upon said equipment which may be imposed or assessed against or resulting to the Seller on account of the possession or use of said equipment by Purchaser. All provisions hereof are contingent upon government restrictions, strikes, and accidents, delays of carrier and other delays unavoidable and beyond Seller's control.

It is intended and understood that title and ownership of said equipment is and shall remain vested in the Seller, notwithstanding delivery or possession, until the entire price is paid in full.