

Caterpillar Electric Power Generator Set Quotation

June 24, 2022

Ref #: 31076665

Sourcewell Contract: #120617-CAT

Submitted to: Ian Wade @ City of Aurora

Project Name: City of Aurora Generator (Sourcewell) STOCK
Caterpillar G14.2– 250kW Outdoor Natural Gas Standby Generator + ATS(s)

We submit to you Altorfer Power System's quotation for the Caterpillar engine driven generator sets. This offer is to sell new Caterpillar generator sets as rated below at 0.8 Power Factor suitable for standby use. This system includes the standard accessories provided by Caterpillar with optional peripheral equipment and services as identified in this proposal through our interpretation of the project requirements.

Top-level equipment and services offerings provided under this proposal:

- ✓ One (1) Caterpillar 250kW Natural Gas Fueled, 120/208V, 3-phase Standby Rated Generator
- ✓ One (1) Caterpillar Sound Attenuated Level 2 Enclosure (71.2dBA @ 23ft)
- ✓ Caterpillar Standard Two (2) Year Warranty
- ✓ Start-up and On-Site Resistive Load Bank Testing Services
- ✓ Automatic Transfer Switches:
 - One (1) 800A ATS: 120/208V, 4 Pole, Open Transition, NEMA 1
 - One (1) 200A ATS: 120/208V, 4 Pole, Open Transition, NEMA 1

Additionally, we have detailed the equipment configuration and services relative to our understanding of these requirements in the body of this document. Please check it for correctness and completeness to be certain that it meets your needs. Please contact us for any clarifications or refinements that may be necessary to meet the scope of the project, as you understand it.

At the conclusion of this quote you will find the quoted price and additional commercial related information regarding the terms of this sale. Thank you for considering Altorfer Power Systems and the opportunity to provide your equipment and service needs. We are firmly committed to providing the best possible support and service during the life cycle of this project.

Sincerely,
Matt Hardiman
Altorfer / Caterpillar

Standard Equipment Caterpillar 250kW*Engine*

- Natural Gas driven engine, 1800 RPM
- Electronic isochronous governor
- Gas pressure regulator, shutoff valve, solenoid operated

Generator

- 250kW generator, standby rated, engine mounted and tested, Class H Insulation, .8 power factor, 3 phase, 4 wire, 130C temperature rise, 2983 ft³/hr fuel rate
- Caterpillar Digital Controller
- AREP
- Power center

*Digital Control Panel*Instrumentation

- LCD display with adjustable contrast and backlight with auto power off
- AC metering: Volts 3-phase (L-L & L-N); Amps (per phase & average); Frequency; kW (total & per phase); kVA (total & per phase); kVAr (total & per phase); Power Factor (overall & per phase); kW hours; kVAr hours
- DC metering: Battery Volts; Engine hours run; Engine Jacket Water Temperature (in °C or °F); Lube oil pressure (in psi, kPa or bar); Engine speed (rpm); Crank attempt counter; Start counter

Protection

- Fail to start shutdown
- Low oil pressure shutdown
- High engine temperature
- Approaching high coolant temperature alarm
- Approaching low oil pressure alarm
- Not in auto mode alarm
- Underspeed/Overspeed
- Loss of engine speed detection
- Low/High battery voltage
- Battery charger failure (if fitted)
- Under volts, over volts
- Under frequency, over frequency
- Overcurrent

Controls

- Run key and LED indicator
- Auto key and LED indicator
- Stop key and LED indicator
- Lamp test key
- Alarm acknowledge key
- Menu navigation keys

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- Engine and AC metering shortcut keys
- All control module keys have tactile feedback
- Lock down emergency stop push button.
- Service interval counter.

Caterpillar Sound Attenuated Level 2 Enclosure (71.2dBA @ 23ft)

- Internally mounted critical grade silencer
- Robust/highly corrosion resistant construction
- Steel Construction
- Lockable, gasketed doors provide secure access to maintenance items (battery, fuel fill, oil, and coolant)
- Lube oil and coolant drains piped to exterior of enclosure and terminated with drain valves
- Radiator guard
- Fixed Intake Louvers
- Gravity Discharge Dampers
- 125A Load Center
- GFCI Receptacles

Cooling System

- Radiator with guard
- Coolant drain line with valve
- Coolant heater

Starting System

- Single starting motor
- Two (2) 12 volt lead acid batteries
- Charging alternator
- Battery charger

General

- One (1) 800A 100% Rated Circuit Breaker
- One (1) 200A Circuit Breaker
- Linear Vibration Isolators
- First fill lubricating oil
- First fill antifreeze, installed
- O & M Manuals

Additional Equipment (shipped loose)

Remote Annunciator (shipped loose) – Qty 1

- Each Annunciator includes sixteen (16) LED's for annunciation of alarm conditions and system status.
- Includes Alarm Horn and Alarm Acknowledge pushbuttons.
- Meets NFPA 99/110 requirements for remote annunciation on Emergency Standby Generator Systems.
- Label cards are provided next to each set of LED by to indicate various alarms and events.

- Designed and Tested to meet stringent Impulse Shock and Operating Vibration requirements

Technical Field Service to Include:

Note: Field Services do not include initial fuel fill or replenishment, videotaping, sound measurements, or city permits for load testing on site.

Installation Audit:

A pre-start audit is available when time and circumstances permit, to be performed by Altorfer Power Systems Project Manager prior to dispatching our field service technician to perform the equipment startup; this will insure site work is completed. These services are to be performed during normal business hours, Monday through Friday 7:30 am to 3:30 pm. Additionally, our local project managers are available for consult during the entire life of the project.

Equipment Startup:

One (1) day of on-site start-up testing are included for only the equipment purchased through Altorfer Power Systems. Time allowed for our factory certified technician is based on accessibility, site preparation and safety concerns for both equipment and personal. This includes systems preparation, equipment start-up and functional operational test utilizing building load only. We will endeavor to meet the requirements of all interested parties as is reasonable, but informing & scheduling of all authorities, inspectors, etc. is the responsibility of the customer; all services included in this quotation are to be performed during normal business hours, Monday through Friday 7:30 am to 3:30 pm. Additional personal required or revisits as dictated by the site, will require a written request for services with a change order by an authorized person and will be billed at prevailing rates.

Equipment Load Bank Testing with Portable Load Bank

Allocated for this project is a four (4) hour on-site load bank test utilizing a resistive load bank at 1.0 Power Factor. Time allowed for 1 (one) factory certified technician is based on accessibility, site preparation and safety concerns for both equipment and personal. Altorfer Power Systems will provide a portable load bank (sized to the generator rating) and 100 feet of power cable. Cable runs greater than 100 (one hundred) feet will be billed at prevailing rates. These services are to be performed during normal business hours, Monday through Friday 7:30 am to 3:30 pm. Addition personal required or revisits as dictated by the site, will require a written request for services with a change order by an authorized person and will be billed at prevailing rates.

Training:

The appropriate Altorfer personnel are available to provide a basic/up to one (1) hour training on site on the same trip during the unit has been started up. If more time is required, or additional sessions are required, arrangements can be negotiated.

Warranty:

Caterpillar Standard Two (2) Year warranty applies unless extended service coverage is purchased.

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Standard manufacturer's warranty applies to all non-Caterpillar equipment. Altorfer will administer all warranty claims during the appropriate warranty period. All other manufacturers warranty is for components only. Labor associated with these claims will be charged accordingly. Copy of warranty statements will be provided at project submittal.

Availability:

Determined after approved release. Equipment submittal time is to be negotiated.

Financial Terms:

Net cash 30 days upon receipt of invoice, with credit approval. Equipment will be invoiced at the contracted amount when ready for shipment. Retainers are not allowed unless previously negotiated and are identified in this proposal. Late charges of 1-1/2% per month will be assessed for late payments and customer will also be responsible for any collection costs and expenses, including reasonable attorney's fees. Equipment storage fees may apply when delivery is not accepted when ready for shipment. Sales tax is **NOT** included in the purchase price and will be charged at the current tax rate, if applicable.

Additional Terms and Conditions:

The scope of supply for this quotation is limited to the equipment and services listed in this proposal. The bill of material herein does not include demolition, removal, terminations, installation, labor, fuel, fuel piping, air ducting, exhaust silencer installation, exhaust piping or electrical wiring between loose items such as engine, control gear, transfer switches, day tanks, battery charger, etc. Coordination studies & relay settings & relay testing services are not included. Permitting not included. The customer is responsible for any and all installation of the above Equipment unless specifically modified by this proposal. All equipment needed to perform any loading or unloading of the Equipment supplied by Altorfer Power Systems is the responsibility of the customer unless specifically modified by this proposal. Unless specifically listed in our bill of material, equipment not indicated is to be supplied by others. We reserve the right to correct any errors or omissions. Customer's signature on this quotation or the issuance of a purchase order or other acknowledgement by customer for the Equipment shall constitute acceptance of this quotation subject only to the terms and conditions set forth herein notwithstanding any terms and conditions contained in any such purchase order or other acknowledgment or communication from the customer which are different from or in addition to the terms and conditions of this quotation. This quotation is subject to any applicable manufacturer's general terms and conditions of sale. Changes to the terms of this quotation may only be made by the express written agreement of Altorfer Power Systems. Altorfer Power Systems shall not be responsible for any consequential, special, indirect or liquidated damages hereunder or for any manufacturer or other delays beyond Altorfer's control. Altorfer Power Systems will not be responsible for any labor or material charges by others associated with the start-up and installation of this equipment unless previously agreed upon, in writing by Altorfer Power Systems. This quotation expires in 30 calendar days or sooner with notice and is subject to prior sale. The prices stated herein are subject to any manufacturer increases if the order is not released for manufacture within 90 calendar days from order date or, if drawings for approval are required, the drawings are not returned and released for manufacture within 30 calendar days of mailing date. For any completed order, scheduled for shipment, that is held, delayed or rescheduled at the request of the Buyer,

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Seller may, at its sole option, ship to storage, invoice, and transfer title, all at the sole cost and risk of loss of the Buyer. Buyer may terminate or cancel an order by written notice and upon payment of appropriate charges based upon a percentage of the quoted sales price at the stage of completion: 10% hold for approval status and 100% after release for manufacture status.

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Exceptions & Clarifications:

- ✓ Quotation is based on customer information provided in email on 06/06/22 only. If actual job site conditions/local codes require a change in BOM, all such changes will be quoted and billed accordingly.

Total price for these product and services:

- ✓ One (1) Caterpillar 250kW Natural Gas Fueled, 120/208V, 3-phase Standby Rated Generator
 - STOCK UNIT
- ✓ One (1) Caterpillar Sound Attenuated Level 2 Enclosure (71.2dBA @ 23ft)
- ✓ Caterpillar Standard Two (2) Year Warranty
- ✓ Start-up and On-Site Resistive Load Bank Testing Services
- ✓ Automatic Transfer Switches:
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Caterpillar Item List Price (G14.2 250kW):	\$146,810.00
Sourcewell Discount (26%):	\$38,171.00
Automatic Transfer Switch:	\$12,655.00
Services (modifications, freight, startup, training):	\$16,731.00
Total Price (plus applicable taxes):	\$138,025.00

FOB: Jobsite Tailgate

2022 Supply Chain Volatility Note - Altorfer Power Systems continuously strives to reduce costs and optimize productivity whenever possible. Unfortunately, the current volatility of the supply chain has necessitated a price review process that will take place at the time we receive a "release for production" for this project. We will review the cost basis that was used at the time of quotation and if we find our inputs have increased, we will issue a revised proposal before accepting your "release for production".

ACCEPTANCE: _____

ALTORFER POWER SYSTEMS

Customer Signature

Matt Hardiman

Email: matt.hardiman@altorfer.com

Phone: 630-516-4411

DATE: _____

Mobile: 630-465-6743

Sales Engineer, Electric Power Generation

Should you have any questions or comments on this matter, please do not hesitate to contact us.

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communication is strictly prohibited. If you receive this communication in error, please notify us immediately by telephone so that we can arrange return of the original message to us at no cost to you.

Once equipment is delivered and installed, service requires two weeks' notice to schedule startup and load bank testing.

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