

TAB 4



City of Palmetto Agenda Item

Meeting Date
12/13/10

Presenter: Jim Freeman

Department: City Clerk

Title:
Capital Purchase of a new generator for City Hall
The current approved CIP for FY 2010 includes a budget of \$98,950 for the purchase of a new generator for City Hall. The City is working with ATP Engineering South to complete the specifications and drawings necessary to purchase and install a generator. The City, with the help of ATP Engineering received 3 quotes for a Natural Gas Generator for City Hall (see attached quotes). The prices range from \$37,409 to \$49,070. Staff recommends going with the lowest price of \$37,409 for a Kohler Generator. The cost also includes a 5 year warranty.

The City is currently working with TECO Peoples Gas to install the natural gas line which will provide fuel for the new generator. The City is also working with ATP Engineering to identify an electrical contractor who can install the generator once it arrives.

Budgeted Amount: 98,850 **Budget Page No(s):** **Available Amount:** \$0.00 **Expenditure Amount:** \$37,409

Additional Budgetary Information: Budgeted as part of the FY 2010 Capital Improvement Plan

Funding Source(s): **Sufficient Funds Available:** Yes No **Budget Amendment Required:** Yes No **Source:** CIP Funds

City Attorney Reviewed: Yes No N/A **Advisory Board Recommendation:** For Against N/A **Consistent With:** Yes No N/A

Potential Motion/ Direction Requested: **Motion to approve the purchase of the Kohler 125kW natural gas generator from TAW Power Systems for \$37,409.**

Staff Contact: Jim Freeman

Attachments: Generator Quotes



KOHLER GENERATORS

TAW POWER SYSTEMS
POMPANO OFFICE: 800-876-0990
TAMPA OFFICE: 800-456-9449
ORLANDO OFFICE: 800-662-6675

"DID YOU KNOW" TAW HAS RENTAL GENERATORS FOR CONSTRUCTION SITES & SPECIAL EVENTS

Date: November 4, 2010
To: City of Palmetto
Attn: Jim Freeman
Project:

Offer No: TG1011-26427
Contact: Gene Richards
jfreeman@palmettofl.org

CITY OF PALMETTO – CITY HALL

(1) One New KOHLER Model 125REZG EPA Compliant NATURAL GAS Engine Driven Generator Set, 125kW, @ 0.8 PF., 60 Hz, 3 Phase, 120/240 Volt with the following:

CONTROLLER: DEC 550

Voltmeter, Ammeter
Frequency Meter
Volt/Ammeter Phase Selector Switch
Individual Fault Lamps for:
High Engine Temperature
Low Oil Pressure
Over Speed
Over Crank
Switch NOT in Automatic
System Ready
Battery Low Volts
Battery Charger Fault
Pre Alarm Senders to Include:
Pre-High Engine Temperature
Pre-Low Oil Pressure
Low Water Temperature
Alarm Horn
Over Voltage Protection
Oil Pressure Gauge
Water Temperature Gauge
Battery Charge Voltmeter
Running Time Meter
Cool down timer

GENERATOR ACCESSORIES (Mechanical):

Kohler Aluminum Sound Enclosure

COOLING:

Unit Mounted Radiator
Low Coolant Level Shutdown
Block Heater 120 Volt, 1800 Watt

FUEL SYSTEM:

Flexible Fuel Lines

GOVERNOR ACCESSORIES:

Electronic Isochronous

GENERATOR ACCESSORIES (Electrical):

Line Circuit Breaker 3 Pole, 400 Amp.
with Shunt Trip/Wire to Engine Safeties
Installed on Generator
Voltage Regulator 0.5 %

ENGINE ELECTRICAL ACCESSORIES:

Battery Rack and Cables
Starting Battery, Lead/Acid
Battery Charger: Automatic Float with Alarm contacts

CONTROLLER ACCESSORIES LOOSE:

Remote Emergency Stop, Break Glass (NEMA 3R)
Remote Annunciator Panel
Annunciator back box

ADDITIONAL ACCESSORIES:

Oil Drain Extension
Lot of Oil and Antifreeze
Corrosion Inhibitor for Radiator
Vibration Isolators - Internal
Four (4) Engine, Generator Parts, Maintenance Manuals
One (1) Year Warranty
Initial Start Up and Check Out of System,
Not to Exceed 8 Hours
Certified Factory Test @ 0.8 P.F.
Load Bank Test @ two Hours (on site) in Florida
(during regular business hours)

AUTOMATIC TRANSFER SWITCH:

One (1) Kohler Model KCS-DFTA-0400B
Automatic Transfer Switch
120/240 Volt, 400 Amp., 3 Phase, 3 Pole, in a
NEMA 1 Enclosure, with the following:
Under Voltage Sensing
Time Delay Engine Start
Time Delay on Transfer
Time Delay on Re-Transfer
Switch Position Lamps:
Normal Source, (Green)

Emergency Source, (Red)
Power Available Lamps:
Normal Source, (White)
Emergency Source, (White)
Auxiliary Contacts
Plant Exerciser with/without Load Selector Switch
Simulate Power Failure Switch
In-phase Monitor

SUPPLIED BY OTHERS

Off-loading @ Job Site
Installation of System
Supply of Fuel
Electrical Piping
Remote Fill Piping and Containment if Required

TOTAL NET LOT: \$ 35,957.00

NOTES:

1. **OPTIONAL 5-YEAR WARRANTY; ADD \$1,452.00**
2. **GENERATOR ENCLOSURE OFFERED IS ALUMINUM SOUND, NOT STAINLESS STEEL. IF A STAINLESS STEEL ENCLOSURE IS REQUIRED; ADD \$17,935.00**

**F.O.B. FACTORY, FREIGHT ALLOWED TO JOB SITE.
SALES TAX NOT INCLUDED.**

Due to changing market conditions delivery/lead times can only be established at the time an order is received at the factory. If the equipment in this proposal were to be released today the lead time is 12 to 14 weeks. This hypothetical lead time is subject to change daily. Contact your sales person for an updated delivery time as soon as possible

Regards,

TAW Power Systems

Gene Richards

QUOTATION VALID FOR 30 DAYS FROM THIS OFFER DATE (LISTED ABOVE).

NOTE: You should have a copy of our standard #50-5000 effective 8/26/1996 TERMS of SALES. If you do not, please contact our office at 800-456-9449 and we will forward you a copy.

(OFFER ACCEPTANCE BELOW)

COMPANY

AUTHORIZED SIGNATURE

TITLE

PRINT NAME

DATE

TERMS & CONDITIONS ACKNOWLEDGED:

INITIAL

35,957
1,452

37,409



Florida Power Solutions, Inc.

4381 Independence Court • Sarasota • Florida 34234-4722
(941) 359-3064 • (941) 351-1456 • FAX (941) 359-2137

We are pleased to offer the following proposal for your project:

Quantity 1 - Generac industrial gas engine driven generator, naturally aspirated 6.8L V-10 engine, consisting of the following features and accessories:

- Fuel system - Natural gas
- SG0130JG036.8N30HPSYE
 - **130 kW Rating**, synchronous alternator, wired for **120/240 VAC 3 Phase, 60 HZ**
- Permanent magnet excitation
- **H-100 Control Panel**
 - Meets NFPA 99 and 110 requirements
 - Temp Range -40 to 70 degrees C
 - Digital microprocessor:
 - Two 4 line x 20 displays, full system status
 - 3 phase sensing, +/-0.25% digital voltage regulation
 - RS232, RS485 and Canbus remote ports
 - Waterproof connections
 - All engine sensors are 4-20 ma for minimal interference
 - 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% frequency regulation
 - Full system status on all AC output and engine function parameters
 - Service reminders, trending, fault history (alarm log)
 - I2T function for full generator protection
 - Selectable low-speed exercise
 - HTS transfer switch function monitoring and control
 - 2-wire start controls for any 2-wire transfer switch
- Electronic governor Frequency regulation, isochronous Steady state regulation +/-0.25%
- **400A UL mainline circuit breaker**
- **Sound attenuated, weather protective enclosure – aluminum – wind rated at 150MPH**
 - Industrial Grey enclosure, powder paint finish
 - Integral critical grade muffler
- 90AH, 700 CCA, 27F battery w/rack-installed
- 10A Battery Charger-installed
- Battery charging alternator
- Battery cables
- Battery tray
- Fuel shut-off solenoid valve
- Solenoid activated starter motor
- Air cleaner and oil filter with internal bypass



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- Oil and antifreeze
- Oil and radiator drain extensions
- Vibration isolators between engine/alternator and base frame
- Standard flex exhaust
- Block heater 1500W
- **21 Light remote annunciator** - surface mount
- Flush mount annunciator kit
- Remote Emergency Stop Break Glass
- Pad type vibration isolators
- Standard set of 3 manuals
- UL2200 Listed; EPA Certified

Quantity 1 - Automatic Transfer Switch

- Rated at **400 amps**, 3 Pole construction Operating at 60 HZ, **240 Volts 3 phase**, with 2-wire start circuit
- Utility voltage sensing controls: * Drop-out and pick-up * Utility interrupt delay
- Adjustable logic controls * Minimum standby voltage * Minimum standby frequency * Engine warmup * Inphase monitor * Time delay neutral * Return to utility * Engine cooldown * Transfer on exercise
- Signal B4 transfer contacts
- Double set of auxiliary contacts
- **NEMA 3R Enclosure**
- Standard set of 3 manuals
- UL 1008 listed
- CSA Certified

COMPLIANCE REVIEW

25 Providing aluminum weather enclosure

34 No ATS specs, based on generator's output

42 Generator enclosure is not impact resistant

Electrical One-Line Diagram not provided

All dimensions are approximate for quoting purposes **ONLY *****Request installation drawings*******

The following was **NOT** provided to confirm proper kW to operate pumps/motors when starting surge occurs:

Pump/Motor Horse Power (hp)

Voltage dip % allowed

Service Factor (SF)

The unit quoted is **not AHCA compliant (Agency for Health Care Administration.)** AHCA compliant units are available at the customer's request.



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Miscellaneous:

On-Site Start Up and Testing
3 Hour Resistive Load Bank Test (Performed Onsite)
Standard 2 Year Warranty

Freight via common carrier to destination / Off Loading

The Following Is Not Included:

Fuel
Concrete Pad

Electrical and Mechanical Installation
Service & Maintenance Agreement

10 - 12 Week Estimated Ship Date

PRICE: \$ 43,418.⁰⁰ TAX INCLUDED

ADDER: Five (5) Comprehensive Warranty - \$ 1,500.⁰⁰

\$ 44,918 Total

Eric R. Borsley PRES.

11-15-10

Ring Power**OLYMPIAN™
GENERATORS****Your North and Central Florida Caterpillar Dealer**

ST. AUGUSTINE
500 World Commerce Prkwy
St. Augustine, FL 32092
904-737-7730

TALLAHASSEE
4752 Capital Circle NW
Tallahassee, FL 32303
850-562-1622

OCALA
6202 N US 301/441
Ocala, FL 34475
352-732-4600

ORLANDO
9901 Ringhaver Dr.
Orlando, FL 32824
407-855-6195

TAMPA
10421 Fern Hill Dr
Riverview, FL 33578
813-671-3700

SALES**SERVICE****PARTS****LEASING****RENTALS****QUOTATION / SALES AGREEMENT / SECURITY AGREEMENT**

DATE: 11/9/2010

QUOTATION NO: CTIV 179-10

CUSTOMER NAME: CITY OF PALMETTO

ADDRESS:

CITY/STATE/ZIP: , FL

PHONE:

ESTIMATED SHIPPING LEAD TIME: 10-12 Weeks

SHIPPING VIA/FOB: Truck/ Palmetto

ESTIMATED SUBMITTAL LEAD TIME: 2 Weeks

JOBSITE ADDRESS:

CITY/STATE/ZIP: FL

PROJECT NAME: PALMETTO CITY HALL

TERMS: Full payment is due from buyer within 10 days of delivery or pickup of the equipment.

DESCRIPTION OF MATERIAL	UNIT PRICE	EXTENSION
ONE (1) NEW CATERPILLAR/OLYMPIAN NATURAL GAS G130LG. 130KW GENERATOR SET RATED FOR STANDBY DUTY, 0.8 POWER FACTOR, 120/240 VAC, THREE PHASE, 4 WIRE, 60 HZ WITH STANDARD EQUIPMENT AND THE FOLLOWING OPTIONS: <ul style="list-style-type: none"> • MAIN CIRCUIT BREAKER, 3 POLE, 400 AMP GENERATOR MOUNTED, MOLDED CASE CONSTRUCTION • AUTOSTART CONTROL PANEL WITH SAFETY SHUTDOWNS, AC METERING AND ENGINE GAUGES • REMOTE EMERGENCY STOP STATION (SHIPPED LOOSE) • GENERATOR WITH VOLTAGE REGULATOR • REMOTE ANNUNCIATOR PANEL WITH ENCLOSURE • ELECTRONIC GOVERNOR • VIBRATION ISOLATORS, UNIT MOUNTED • WEATHERPROOF SOUND ATTENUATED ENCLOSURE, ALUMINUM, 140 MPH WIND RATED, DROPOVER STYLE • CRITICAL SILENCER SYSTEM 		

Quotation Accepted By: _____ Date: _____ Tax No.: _____

Customer: _____ Salesman's Signature: _____

Chad Taurman, Central Florida, Olympian/EPG Sales

TERMS

- This offer to sell is made subject to buyer's acceptance within ten (10) days from this date (noted above).
- All quoted prices are subject to change without notice. Those in effect on the date of shipment shall prevail.
- Subject to credit approval.
- Used equipment is subject to prior sale.
- A 25% restocking fee will be assessed for all canceled orders or returned materials.
- No retainage to be withheld. Ring Power Systems is an equipment supplier and is not a sub-contractor. Our terms are Net 10 days.
- No sales tax is included.
- Buyer grants to seller a security interest in all equipment as described in this agreement until such time as payment is made in full in accordance with the terms and conditions of this agreement and in accord with the seller's credit application.
- Ring Power requires a purchase order to secure this sales agreement.

Quote No. CTIV 179-10

Page 1 of 2

DESCRIPTION OF MATERIAL	UNIT PRICE	EXTENSION
<ul style="list-style-type: none"> • BATTERY CHARGER, 10 AMP, 120 VAC INPUT • BATTERY, HEAVY DUTY LEAD ACID TYPE WITH RACK AND CABLES • LUBE OIL, ANTIFREEZE-INITIAL FILL • JACKET WATER HEATER, 120 VAC INPUT • STARTUP PROCEDURE AND INSTRUCTION TO PERSONNEL • 3 HOUR LOAD TEST CONDUCTED ON SITE • 2 YEAR / 1000 HR OLYMPIAN LIMITED WARRANTY <p>ONE (1) 3 POLE 400 AMP RATED AUTOMATIC TRANSFER SWITCH WITH STANDARD EQUIPMENT AND THE FOLLOWING OPTIONS:</p> <ul style="list-style-type: none"> • UL 1008 CERTIFIED • NEMA 1 ENCLOSURE • ENGINE EXERCISER • TIME DELAY BYPASS FOR IMMEDIATE TRANSFER TO EMERGENCY POWER 		
TOTAL NET FOR ABOVE		\$47,930.00
ADDER TO NATURAL GAS/LP VAPOR DUAL FUEL SYSTEM	<i>Not necessary</i>	\$604.00
ADDER FOR OPTIONAL 5 YEAR/ 2500 HOUR GENERATOR ESC		\$1,140.00
<p>NOTES:</p> <ol style="list-style-type: none"> 1. THE ABOVE PRICE INCLUDES START-UP, TESTING, INSTRUCTION TO OPERATING PERSONNEL, AND ONE COPY OF O&M MANUALS 2. NO INSTALLATION, LABOR, CONDUIT, WIRE, PIPING, ANCHOR BOLTS, PAD, OFF-LOADING, FUEL, OR SALES TAX INCLUDED 3. QUOTATION PER SPECIFICATIONS RECEIVED ON DRAWING E4.1 DATED 11/03/10 WITH NOTED CLARIFICATIONS 4. 22. GENERATOR TO BE UL2200 LISTED. ENCLOSURE DOES NOT CARRY A UL2200 LABEL 5. 25. ENCLOSURE TO BE ALUMINUM CONSTRUCTION, NOT STAINLESS STEEL, SOUND LEVEL TO BE 72 DBA AT 23FT 6. 26. NO QUIET TEST FEATURE AVAILABLE 		<p style="font-size: 2em; margin: 0;"><i>49,070</i></p>
<p>Cancellation Fee: <i>If, at any time, Buyer repudiates, cancels or otherwise terminates this Order, Ring Power Corporation shall, without waiving any rights or remedies allowed by law, collect from Buyer, and Buyer shall remit to Ring Power Corporation within 10 business days of repudiation, cancellation or termination, an amount equal to 20% of the total Purchase Price of this Order.</i></p>		