

FOR BOARD ACTION

Agenda Item # 5.a.

Meeting Date:

10/30/07

SUBJECT: Consideration of Bids
Purchase of Emergency Generator and Transfer Switch – RPU Service Center

PREPARED BY: Dan Sturm, Supervisor of Technical Services

ITEM DESCRIPTION:

Bids for purchase of an Emergency Generator and Transfer Switch were received on October 23, 2008. Four bids were received (see the attached bid tabulation) of which Interstate PowerSystems is the recommended low bidder with a bid of \$51,233. The alternate bid they submitted did not meet the specification of 250 kW prime rating.

This is not a 2007 budget item and is planned to be funded via the 2007 contingency fund. The executive team has approved using 2007 contingency funds for this project. The existing Service Center backup generator is approximately 20 years old, is an indoor unit, and is located in a utility room that does not comply with the updated electric code. After conversations and negotiations with the City Electrical Inspector an agreement was made to relocate the existing generator outside to resolve the code issues. After thorough cost analysis, the most cost effective solution was deemed to be replacement of the existing indoor unit with a new outdoor unit.

UTILITY BOARD ACTION REQUESTED:

Staff recommends the Utility Board approve a purchase order agreement with Interstate PowerSystems as the lowest responsible bidder, in the amount of \$51,233, to furnish a 250 KW / 312.5 KVA Packaged Engine Generator with Transfer Switch.


General Manager

10/25/07
Date

Bid Tab - 250 KW Packaged Engine Generator with Transfer Switch

Bid Opening - October 23 2007 - 2:00 PM CST

Bidder	Bid Bond	Proposal Signed	Price	Delivery	Comments
Interstate PowerSystems	Yes	Yes	\$51,233.00	8-10 wks	Meets Spec
Interstate PowerSystems (Alt.)	Yes	Yes	\$50,106.00	8-10 wks	Does Not Meet Spec.
Katolight Corp.	Yes	Yes	\$51,457.00	11 Wks	Meets Spec
Cummins Npower, LLC	Yes	Yes	\$81,739.00	65 Days	Meets Spec
Ziegler Power Systems	Yes	Yes	\$68,840.00	24 Wks	Meets Spec

BID PROPOSAL

Honorable Public Utility Board
Date: 10/23/07
City of Rochester, MN 55906-2813

Board Members:

The undersigned hereby proposed to furnish and deliver the following equipment f.o.b. Rochester, MN, in accordance with the attached specifications and other Proposal Documents. Exceptions to the provisions of these Documents, if any, are attached to and made a part of this Bid Proposal.

	PRICE	DELIVERY
250 KW / 312.5.KVA Packaged Engine Generator with Transfer Switch (PRIME RATED)	\$ <u>51,233.00*</u>	<u>8-10 WKS</u>
ALTERNATE 250KW STANDBY	\$ <u>50,106.00*</u>	<u>8-10 WKS</u>
	* NO SALES TAX INCLUDED	

Accompanying this Proposal is a BID BOND payable to the City of Rochester in the amount of 5%, which is equal to five percent (5%) of the total bid price. It is understood that this Proposal is submitted pursuant to the NOTICE TO BIDDERS, attached hereto, and the Undersigned hereby agrees to the terms and conditions thereof. The Undersigned warrants that this Proposal is submitted in good faith and without collusion or connection with any other person or persons bidding for the same work. In the event that this Proposal is accepted, the Undersigned hereby agrees to deliver the bid items within ___ weeks after receipt of a signed Purchase Order and/or any other legally executed contract document(s).

BIDDER INTERSTATE POWER SYSTEMS

ADDRESS 2501 AMERICAN BLVD E.
MPLS, MN 55425

PHONE NO. 952-354-5511

BY [Signature]

TITLE PRESIDENT

Interstate PowerSystems

2501 American Blvd East Minneapolis MN 55425

jboggs@istate.com
(Phone) 952-858-6826
(Fax) 952-854-4213
www.istate.com

Proposal

For
RPU

Job: JB07195

October 19, 2007

Materials Manager
Rochester Public Utilities
4000 East River Road Rochester MN 55906

Interstate PowerSystems submits the following proposal for the project: RPU

DDC/MTU POWER GENERATION MODEL: (Qty - 1) - 275RJC6DT3

(File #: 133 / Catalog #: 70020831)

GENERATOR: 275 kW, 343.7 kVA
VOLTAGE: 277/480 ACV 3-Phase (R)
ENGINE: John Deere 6090HF485, 60 Hz Diesel, 1800 RPM

Standard Features Included:

Steel Sub Base, Battery Cables, Battery Box, Flex Fuel Connector, Oil Drain Extension, Lube Oil and Anti-freeze

Selected Model Features Included:

Isochronous Governor + / - .25%
Permanent Magnetic Generator
UL2200
Five (5) Year / 3000 Hour Basic Standby Extended Limited Warranty

Custom Options Included:

432 PSL 6216
One Year Preventative Maintenance

CONTROL PANEL: Model 50 Control Panel

12 LIGHT CONTROL PANEL: 50 Series, generator-vibration mounted, NEMA 1 enclosure
Voltmeter – (3-1/2"), 2% accuracy, Ammeter – (3-1/2"), 2% accuracy, 4 position combination voltmeter/ammeter selector switch, Frequency meter, dial type – (3-1/2"), Panel lights and switch, Running time meter – (2"), Battery voltmeter – (2"), Water temperature gauge – (2"), Oil pressure gauge – (2")
AUTOMATIC ENGINE CONTROL – KASSEC, single or cyclic cranking with 12 indicating lights for:
Low oil pressure shutdown and light, High water temperature shutdown and light, Low water level shutdown and light combined with high engine temperature, Overspeed shutdown and light, Overcrank shutdown and light, Low battery voltage light, Charger malfunction light, EPS supplying load light, Low water temperature light, High engine temperature preshutdown and light, Low oil pressure preshutdown and light, Low fuel light, Unit not in auto light, 3 position manual-off-automatic switch, Repetitive alarm buzzer and silencing switch

Included Accessories

Emergency Stop Button
Engine Fail Relay
Engine Run Relay
LED - Critical low fuel shutdown - (Add float switch to fuel tank)
LED - Engine running - (includes light & jumper wire)
LED - Fuel Leak detected - (Add float switch to fuel tank)
LED - Low coolant level - (Sep. light & includes level switch)
Voltage Adjust Potentionmeter
Frequency Adjust Potentionmeter

ANNUNCIATOR: 12 Light Annunciator Model AN 818-101 Flush Mounted (Model 50 Control Panel)

Included Accessories

- LED - Circuit Breaker Open - (Add Aux. Contact to CB)
- LED - Circuit Breaker Closed - (Add Aux. Contact to CB)
- LED - Critical low fuel shutdown - (Add float switch to fuel tank)
- LED - Engine running - (includes light & jumper wire)
- LED - EPS supplying load - (Add contact in transfer switch)
- LED - Fuel Leak detected - (Add float switch to fuel tank)
- LED - Low coolant level - (Sep. light & includes level switch)
- LED - Low Fuel Level - (Add float switch to fuel tank)

ENCLOSURE: Weather Proof

Weather Proof Enclosure includes bolt together sheet metal enclosure constructed with 14-gauge material, lockable hinged doors, keyed alike, a fixed storm proof air intake louver and expanded metal air discharge, muffler support brackets and exhaust piping allowing the muffler to be mounted on top of the roof; including rain cap.

Included Accessories:

- 1.5" Sound Attenuated Foam
- Air Scoop Intake (Steel)
- Air Scoop Exhaust (Steel)

COOLING SYSTEM: Unit Mounted Radiator

CIRCUIT BREAKER: 400 AMP 277/480 Three Phase - Mounted and Wired in a NEMA 1 Enclosure (Qty: 1)

Included Accessories:

- Auxillary Contact
- Shunt Trip

BATTERY: Lead Acid Battery 1150 CCA @ 0 F

Included Accessories:

- Unit Mounted Steel Rack (Per Battery)

BATTERY CHARGER: FCA 12-10-2411UA (12 Volt, 10 Amp)

Included Accessories:

- FCA 12-10-2411UA - AC Failure Form C Contact & High Battery Form C contact

MUFFLER: Critical Muffler Mounted Inside Enclosure 6 "

Included Accessories:

- Rain Cap - 6 "

SUB BASE TANK: Enclosed (with Stub Up) - 140x56x18 (330 Gal.)

Fuel tank(s) factory installed. Features include double wall UL142 approved, constructed in accordance to NFPA 30, fuel leak detection standard (low fuel level alarm standard), 1.5 " normal vent cap, 2" fill with lockable fill cap, 2-6" NPT opening for emergency vent.

Included Accessories:

- Electric Fuel Gauge (mounted in control panel)
- Low fuel level float switch only (signal for control panel LED indicating light)
- Critical low fuel shutdown float switch only (signal for control panel LED indicating light)
- Fuel leak detection float switch only (signal for control panel LED indicating light)
- Emergency Pressure Relief Vent Cap Set (1/2 PSI) - 4"

AUTOMATIC TRANSFER SWITCH: ASCO 300 Poles: 4 3004600C (600 Amp) (Qty: 1)

Included Accessories:

- Test Switch
- Manual Bypass of Transfer to Normal TD
- ATS Switch Position Indicating Lights
- Source Available Indicating Lights
- Automatic Engine Exerciser with Load/No Load Selector Switch
- ATS Position Indicating Contacts (1 Normal, 1 Emergency)
- Provisions for Remote Transfer Contact (Peak Shaved) bypassed if Emergency Fails
- In-Phase Monitor for Motor Load Control
- Selective Load Disconnect
- Provisions for Inhibiting Transfer to Emergency
- Time Delay Momentary Outage Override (Normal)
- Time Delay Momentary Outage Override (Emergency)
- Time Delay Transfer to Emergency
- Time Delay Re-transfer to Normal
- Time Delay Engine Cool Down
- WARRANTY - Two (2) Year Basic ATS Standby Limited Warranty

MISCELLANEOUS:

Warranty - See Warranty in Selected Model Features
Paint - Ansi Grey
Testing - Standard Commercial Test
Manual - One Instruction Manual

NOTES:

1. Units are shipped wet to include lube oil and a 50/50 water and anti-freeze mix unless otherwise noted in this quotation.
2. FOB the jobsite, on the truck.
3. Any applicable taxes are NOT included in this price.

Proposal Summary:

TOTAL PROPOSAL PRICE: \$ 51,233.00

Quoted prices do not include Federal, State or Local taxes which may be applicable. Quoted prices include normal testing, packaging and instructional literature. Special testing, packaging, additional instructional literature, parts, provisioning lists or prints are not included, and prices will be quoted separately.

Quotation Firm For 30 Day(s)
Delivery Notes: 10 - 12 weeks

BY: _____
Interstate PowerSystems
Jerry Boggs

Customer Acceptance

Project: RPU

Date of Acceptance: _____

Customer Purchase Order Number: _____

**Materials Manager
Rochester Public Utilities
4000 East River Road Rochester MN 55906**

Signature: _____

Special Instructions:



RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve a purchase order agreement with Interstate PowerSystems for:

Purchase of a 250KW / 312.5 KVA Packaged Engine Generator with Transfer Switch

The amount of the purchase order agreement to be FIFTY-ONE THOUSAND TWO HUNDRED THIRTY-THREE AND 00/100 DOLLARS (\$51,233.00) and Interstate PowerSystems being lowest responsible bidder.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 30th day of October, 2007.

President

Secretary