

2MW EMERGENCY GENERATOR FOR NORTHEAST SURFACE WATER TREATMENT FACILITY

1.07 SYSTEM RESPONSIBILITY:

- A. Generator Set Manufacturer: To qualify as a MANUFACTURER, the engine must be the principal item manufactured and the completed engine generator set shall be supplied by that, MANUFACTURER's authorized distributor only.
- B. Requirements, Codes and Regulations: The equipment supplied and installed shall meet the requirements of NEC and all-applicable local codes and regulations. All equipment shall be new, of current production. There shall be one source responsibility for warranty; parts and service through a local representative with factory trained service personnel.
- C. Authorized Distributor: The equipment supplier shall be the local authorized distributor for the product supplied which will be in an approximate 100 mile range to the delivery site.

1.08 WARRANTY:

- A. Five (5) Year Warranty: The manufacturer's standard warranty shall in no event be for a period of less than five (5) years from date of initial start-up of the system and shall include repair parts, labor, reasonable travel expense necessary for repairs at the job site, and expendables (lubricating oil, filters, antifreeze, and other service items made unusable by the defect) used during the course of repair. Running hours shall not be a limiting factor for the system warranty by either the manufacturer or servicing distributor. Submittals received without written warranties as specified will be rejected in their entirety. Generator set to have 3x5 tag labeling period and contact information.

1.09 PARTS AND SERVICE QUALIFICATIONS:

- A. Service Facility: The engine-generator supplier shall have service facilities within 100 miles of the project site and maintain 24-hour parts and service capability. The distributor shall stock parts as needed to support the generator set package for this specific project.
- B. Service Personnel: The dealer shall maintain qualified; factory trained service personnel that can respond to an emergency call within 4 hours of notification.

PART 2 - PRODUCT

2.01 GENERAL REQUIREMENTS:

- A. Genset Requirements: The generator set shall be Standby rated kW per drawings, 1800 RPM, 0.8 power factor, 4160 VAC, 3 phase, 4 wire, 60 hertz, including radiator fan and all parasitic loads.
- B. Material and Parts: All materials and parts comprising the unit shall be new and unused.

2.02 DIESEL ENGINE:

- A. Engine Requirements: The engine shall be as manufactured by Caterpillar or Cummings. The engine shall be water-cooled inline or vee-type, four-cycle compression ignition diesel. It shall meet specifications when operating on number 2 domestic burner oil. Two cycle engines will not be considered. The engine shall be equipped with fuel, lube oil, and intake air filters, lube oil cooler, fuel transfer pump, fuel priming pump, service meter, gear-driven water pump. One spare each filters will be supplied.

**ADDENDUM NO 1
2MW Emergency Generator**

Bid # 3462

NOTICE TO ALL BIDDERS

This Addendum is attached to and made a part of the above entitled specifications for the City of Fresno with a scheduled bid opening of **3:00 P.M., April 26, 2016**.

All changes and or clarifications will appear in **bold underlined type**.

Acceptance of Kohler as a product for this bid.

Department Response

Per City Technical Specifications:

1. **Mitsubishi engine is not an acceptable substitution. Per Section 1.07 the engine must be the principal item manufactured and the completed engine generator set shall be supplied by that, MANUFACTURER's authorized distributor only.**
2. **Kohler has a 1 year standard warranty. Per section 1.08A Five (5) Year Warranty: The manufacturer's standard warranty shall in no event be for a period of less than five (5) years from date of initial start-up of the system. (Kohler does offer a 5-year extended warranty).**
3. **Kohler Spec's 277/480 voltage. Per Section 2.01A the generator set shall be Standby rated kW per drawings, 1800 RPM, 0.8 power factor, 4160 VAC, 3 phase, 4 wire, 60 hertz, including radiator fan and all parasitic loads.**
4. **Mitsubishi engine is not an acceptable substitution. Per Section 2.02A. The engine shall be as manufactured by Caterpillar, Cummings or equal. The engine shall be water-cooled inline or vee-type, four-cycle compression ignition diesel. It shall meet specifications when operating on number 2 domestic burner oil. Two cycle engines will not be considered. The engine shall be equipped with fuel, lube oil, and intake air filters, lube oil cooler, fuel transfer pump, fuel priming pump, service meter, gear-driven water pump. One spare each filters will be supplied.**
5. **Section 2.07D1 not addressed. A UL 2085 listed and EPA approved, dual wall, painted steel, base-mounted fuel tank with a nominal 24 hour running at 100% load U.S. gallons capacity shall be furnished (Estimated 3,500 gallons). If controls are above 84" AFG the generator manufacturer will provide an access platform. Provide low/high level, and rupture alarm switches mounted inside the tank to be annunciated on the generator control panel and remote annunciator supply flexible fuel line connections for fuel suction/return lines to the engine, and emergency vent. Include local fuel fill, tank drain connection, and fuel level gauge. Fuel venting to be minimum 12 feet above top of tank. Manufacturer to supply vent pipe extension, vent pipe support bracket and flashing for installation at the top of the generator.**
6. **Section 2.10 Weather Protection Enclosure not adequately addressed.**

City of Fresno



GARY WATAHIRA
Purchasing Manager

The bidder shall sign below indicating he/she has thoroughly read and understands the contents of this Addendum.

Signed: _____

Company: _____

This addendum is being distributed by FAX only and will not be sent by U.S. Mail. The bidder shall submit a signed copy of this addendum with their bid.

Addenda to date:
April 11, 2016



PURCHASING DIVISION
 TELEPHONE # (559) 621-1332
 FAX # (559) 488-1069

BID QUESTIONS FOR: <p style="text-align: center;">2MW EMERGENCY GENERATOR FOR NORTHEAST SURFACE WATER TREATMENT FACILITY</p> <p style="text-align: center;">BID FILE NUMBER: 3462</p> <p>ATTENTION: Gary Watahira, Purchasing Manager</p>	(FOR CITY OF FRESNO USE ONLY) QUESTION NO: _____ DATE: _____ REVIEWED BY: _____ RESPONSIBLE FOR RESPONSE: <div style="text-align: center;"> <input type="checkbox"/> CITY STAFF <input type="checkbox"/> CONSULTANT </div>
FROM: <u>Joe Sanchez</u> COMPANY: <u>Energy Systems</u> CONTACT PERSON: <u>Joe Sanchez</u>	DATE: _____ PHONE No: _____ FAX No: _____

QUESTION The mission of the Finance Department of Fresno is" To provide quality municipal financial services to our customers through teamwork and trust - managing and optimizing the Citys financial affairs, and providing fiscal _____ responcibility". Given that multiple other generator vendors other than Caterpillar and Cummins- such as Generac- have sucessfully executed projects with the city in the past, how is excluding them on now on the basis of the manufacturer of the engine "optimizing the City's financial affairs and providing fiscal responcibility"? Why is this requirement not based upon the manufacturer of the alternator, the country of origin or whether on not the product is made in the USA? _____ Specifically how does the Cummins QSK60 engine that is manufactured in India, provide a better value for the City of _____ Fresno than and engine produced in another country?

Spec: 1.07A- Generator Set Manufacturer: To qualify as a MANUFACTURER, the engine must be the principal item manufactured and the completed engine generator set shall be supplied by that, MANUFACTURER's authorized distributor only.

ANSWER: _____

RESPONSE BY: _____	DATE: _____
INCLUDED IN ADDENDUM NO. _____	DATE: _____

One Question per page.

Duplicate this form 'as necessary.

ADDENDUM NO. 2

FOR: 2MW Emergency Generator
Bid File No. 3462

NOTICE TO ALL BIDDERS

This Addendum is attached to and made a part of the above entitled specifications for the City of Fresno that had a scheduled bid opening prior to 3:00, P.M., Tuesday, April 26, 2016.

All changes and/or clarifications will appear in *italic* and **Bold** type and deletions struck out.

Reference page i: Bid Opening dated showed prior to 3:00PM, Tuesday, **April 19, 2016.**

Reference page ii: Bid Opening dated showed prior to 3:00PM, Tuesday, **April 12, 2016.**

BID DATE IS: 3:00, P.M., Tuesday, April 26, 2016.

Reference page 5.2 , Section 1.03A Delete previous section 1.03A Entirely and replace with the following:

Installation: The work includes supplying a complete integrated emergency generator system to provide an alternate source of power to the emergency load in the event of a utility outage. The system consists of a diesel generator set with related component accessories as specified, outdoor weather proof sound attenuated enclosure.

The generator supplier to deliver the generator to the job site in coordination with the City. Schedule to be determined by the City. The generator supplier is to deliver the generator to the Surface Water Treatment Facility in coordination with the City's installation contractor. The City will provide for the setting and anchoring of the generator and required structural slab under a separate contract. Any generator supplier contractor work to be performed by a licensed and bonded contractor.

Answer to contractor question and concern regarding alternate item:

Reference page iv:

APPROVED EQUALS. For equipment and material purchases, where brand name/model are specified, the City reserves the right to evaluate any product or type of equipment offered on the Bid Proposal and to determine acceptability as an "approved equal."

1. All Bid Proposals must be accompanied with pertinent information that provides sufficient technical data to evaluate the item(s) offered. The information may consist of manufacturer's literature, specifications, drawings (to scale), sketches (to proportion) performance data, etc., where same is necessary to completely describe the product.

2. The decision of acceptability as an "approved equal" shall be within the sole discretion of the City. If approval as an equal is denied by the City, Contractor shall provide one of the manufacturers/brands listed in the Specifications without change in the Contract price.

ADDENDUM NO. 2
FOR: 2MW Emergency Generator
Bid File No. 3462

Reference page 5.1, Item 1.02

1.02 RELATED DOCUMENTS, ACCEPTABLE MANUFACTURES:

A. Related Documents: All related City of Fresno, rules, regulations, and procedures for the direct purchase of the equipment specified. Acceptable sole source manufactures are Caterpillar Co., Cummins or approved equal.

City of Fresno



AUTHORIZED DEPARTMENT SIGNATURE

The bidder shall sign below indicating he/she has thoroughly read and understands the contents of this Addendum No.2.

Signed: _____

Company: _____ Date: _____

This addendum is being distributed Online Only. The bidder shall submit a signed copy of this addendum with their bid.

Addenda to date: 2
April 19, 2016

MODULAR POWER SYSTEMS



COMPANY PROFILE

A trusted family
business... built on old
fashioned principles.



INDUSTRIAL | COMMERCIAL | RESIDENTIAL

As Energy Systems continues to grow, it is our
commitment for all customers to have an excellent
experience from the initial consultation to
customer training to each PM service.



ABOUT US

The company began in 1933 when E.E. Richter and his son Bud started a business specializing in industrial engines. They built their business in the San Francisco Bay Area and soon began selling to other parts of the state. The business continued to grow with the second generation of the Richter family. In the early '70s, the third generation took over the reins and found more opportunities to help companies with their power equipment needs. Don Richter created Energy Systems, which serves Northern California, Nevada and Hawaii, to better specialize the expanding power generation business. Don, and his wife Nancy, run the operation from their Stockton headquarters.

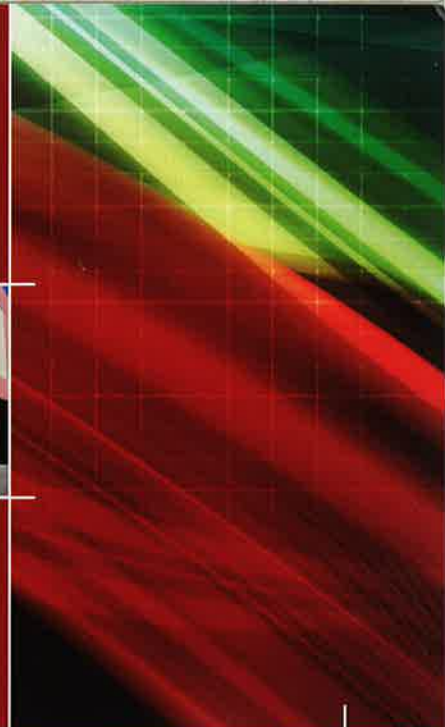


ENERGY SYSTEMS
POWER SYSTEMS

STOCKTON, CALIFORNIA 7100 S. Longe St., #300, Stockton, CA 95206

RENO, NEVADA 740 Bennie Ln., Suite B, Reno, NV 89512

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- School Districts
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- Transportation
- Universities and Colleges
- Warehouse Distribution



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