

CITY OF YUBA CITY
STAFF REPORT

Date: November 6, 2018
To: Honorable Mayor & Members of the City Council
From: Public Works Department
Presentation by: Diana Langley, Public Works Director

Summary

Subject: Purchase of Two (2) Backup Generator Systems for the Corporation Yard (Hazard Mitigation Grant Program)

Recommendation: Award the purchase of two (2) Kohler emergency generator systems to Bay City Electric Works of Poway, CA in the total amount of \$108,645.32, with the finding that it is in the best interest of the City.

Fiscal Impact: \$108,645.32 – CIP Account No. 901028-65518 (Improvements to Buildings and Grounds). Funding is provided by the Cal OES Hazard Mitigation Grant Program.

Purpose:

To equip and upgrade the City's critical facilities for improved emergency preparedness.

Background:

The City's Corporation Yard is a critical facility for coordination and deployment of routine and emergency repair services. Divisions located at the Corporation Yard include Water Distribution, Wastewater Collection, Street Maintenance, Facilities Maintenance, Fleet Maintenance, and Parks Maintenance. The installation of backup power improves the City's ability to respond in the event of an electrical power failure. Not only will this impact Public Works and Community Services functions, but it also will positively impact Police and Fire operations, as the Fleet Maintenance Division provides maintenance support to Police and Fire vehicles.

As a result of the presidential disaster declaration for the January and February 2017 storm events, Hazard Mitigation Grant Program (HMGP) funds are available through the Federal Emergency Management Agency (FEMA). The HMGP funds mitigation activities that have the potential to reduce or eliminate future damages due to natural disasters. In California, these funds are administered by the California Office of Emergency Services (Cal OES).

In September 2017, the City submitted an application for the HMGP for the installation of two backup generators at the Corporation Yard. One generator will service the main building and the other generator will service the Fleet Maintenance building. The generators will be designed to automatically turn on in the event of a power failure and will contain enough fuel to operate for up to 48 hours.

On July 17, 2018, Council elected to accept the award of \$150,000 in grant funds through the HMGP with a \$50,000 required City match.

Installation of the generators includes demolition, excavation, and construction of concrete generator pads, construction of modified path of travel and bollards, and conduit, wiring, and connection to switchgear for each generator location. Once the final design is completed and the generators have been acquired, Public Works will conduct an informal bid to select the contractor per the Public Contract Code.

Analysis:

The HMGP requires that construction be completed by March 1, 2019. In order to facilitate meeting this deadline in a timely manner, Cal OES has recommended that the City move forward with obtaining quotes for the generators and transfer switches rather than conducting a formal bid process.

Staff reviewed available generator models and requested pricing from the regional suppliers for the three manufacturers of the appropriate equipment (Kohler, Holt, and Cummins). Bay City Electric Works, the regional representative for Kohler equipment, submitted the lowest price and was also the model most preferred by staff.

Fiscal Impact:

The total cost for the two generator systems is \$108,645.32; \$65,169.39 for the Corporation Yard main building and \$43,475.93 for the Fleet Maintenance shop building. The estimate for the total project, including both the equipment purchase and the installation/construction is \$200,000.

Alternatives:

Direct staff to conduct a formal bid for the generator systems. This would delay the project construction and could jeopardize meeting the required deadline.

Recommendation:

Award the purchase of two (2) Kohler emergency generator systems to Bay City Electric Works of Poway, CA in the total amount of \$108,645.32, with the finding that it is in the best interest of the City.

Attachments:

1. Bay City Electric Works Quote

Prepared by:

/s/ Scarlett Harris

Scarlett Harris
Administrative Assistant

Submitted by:

/s/ Steven C. Kroeger

Steven C. Kroeger
City Manager

Reviewed by:

Department Head

Finance

City Attorney

DL

SM

TH via email

ATTACHMENT 1

October 11, 2018



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To learn more, visit our website at www.BCEW.com

REFERENCE: City of Yuba City – Corporate Yard Office
EMERGENCY GENERATOR SYSTEM
BCEW # 87623

Bay City Electric Works is pleased to offer the following Kohler generator system for your use on the referenced project. This proposal is in accordance with your verbal request. No written details, plans, or specifications were provided. The following clarifications, technical exceptions and/or exclusions are noted:

- Spring type vibration isolators are excluded. Kohler generators include integral vibration isolation that eliminates the need for under unit spring type vibration isolators. The spring isolators increase the height of the generator, allow rodent access through the stub-up area and increase the sound of the package. Our seismically certified models do not require the addition of spring isolators for their certification.

Major system components include:

One (1) UL2200 Listed Kohler model 230REOZJE diesel powered generator set, rated for standby duty at 225 KW, .8 PF, 281 KVA, 120/208 volt, 3 phase, 4 wire, 60 Hertz, 1800 RPM, outdoor in weatherproof sound attenuated enclosure with 472 gallon subbase diesel fuel tank rated for 24 hours at full load.

230REOZJE-CP1 230REOZJE Generator Set
Includes the following:

- | | |
|--------------|---|
| GM66100-GA4 | 230REOZJE, 24V, 60Hz |
| 222661 | Nameplate Rating, Standby 130 Degree |
| GM19874-KA1 | UL2200 Listing |
| 333700 | Voltage, 60Hz, 120/208V, 3Ph, 4W, 0.8PF |
| GM58642-MA27 | Alternator, 4UA9 |
| GM69553-MA1 | Unit Mounted Radiator Cooling |
| GM69406-MA1 | Skid/Tank Module, 230-275 JD |

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GM75604-MA1-BLK Std Duty Air Intake
GM104384-MA2 Controller, APM402,800A,STD,3PH
GM104887-MA1-BLK Control & Harness, APM402
GM75749-KA5 Accessory Inner Panel
GM87411-KA4 Sound Enclosure, Steel - **75dB(A) @ 23 feet**
GM76120-KA3 Block Heater, 2500W, 210/240V, 1Ph
324588 Battery,2/12V,950CCA,Wet
GM94920-KA1 Battery Charger 12/24V-10A
253213 Generator Heater,110/120-220/240V,200W
GM75749-KA10 Run Relay, 24V
GM75749-KA6 2Input/5Output
GM88179-CA1 Breaker 1 Components
GM52331-KA1 LCB, 800A, PGP, MICRO LSI, 100%
GM50884-KA1 Mtg, LCB, M/P-Frame, 600-800A, 4UA
GM51860-KA5-KCB Covers, 4UA J-Box, M/P-Frame LCB
GM50890-KA2 Neutral, 875A 4UA
GM86123-KA1 Decals, Bonding & Phasing
GM39513-KA2 Flexible Fuel Lines
GM69552-KA1 Inner Tank Leak Alarm
GM75793-KA1 Air Cleaner Restriction Ind.
GM64319-KA3 Closed Crankcase Vent
GM77896-KA3 Rodent Guards
GM28625-KA5 Coolant in Genset 9 gals.
GM71450-AA1 Software, Fuel Level & Fuel in Basin
GM50088 Warranty, 1 Year Standby
258811 Power Factor Test,0.8,3Ph Only
Miscellaneous
GM66805-KP Lit Kit, General Maint, 230REOZJE

On-Site Start-Up & Commissioning
On-Site Testing with Available Building Load
On-Site Owner Training

Generator price is\$53,618.00 (Tax Not Included)

One (1) Kohler Model KSS-ACTC-0800S Automatic Transfer Switch, rated at 800 amps, 120/208 volt, 3 phase, 4 wire, 3 pole, solid neutral, in Nema 3R cabinet for outdoor mounting.

Input/Output Module – Installed
Warranty, 1 Year Basic

Transfer Switch price is\$7,146.00 (Tax Not Included)

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Total for Generator and ATS\$60,764.00
Sales Tax – at 7.25%\$4,405.39
Total Package Price Including Sales Tax\$65,169.39

Jobsite inspection, initial startup, and initiation of warranty, by a Bay City Electric Works field technician during normal working hours Monday through Friday 7:00 a.m. to 4:00 p.m. Testing will utilize building load unless the specification states otherwise. Fuel for testing is excluded. Any jobsite orientation and training of operating personnel to be done at the time of startup.

Kohler limited generator warranty, effective from date of startup, for:
1 year or 2000 hours (whichever occurs first) as published in Kohler Brochure.

Kohler limited ATS warranty, effective from date of startup, for:
1 year as published in Kohler Brochure.

System Price: FOB Factory with freight allowed to your jobsite. Offloading and placement of equipment is excluded. All deliveries are Monday through Friday 7:00 a.m. to 4:00 p.m. Deliveries outside the normal business hours will be invoiced as necessary.

AQMD Permit is not included. To be provided by others. Contact ProActive Consulting Group at 714-893-7900 for Permit application processing information and pricing.

ADDERS:

A PM Filter may be required as detailed below in "Quotation Notes." The jobsite address and generator location is not always sufficient to determine if one will be necessary. The generator needs to be further than 50 meters from the nearest "sensitive receptor" as defined below and further than 100 meters from the nearest K-12 school.

Quotation Notes:

1. Applicable taxes have not been included.
2. Air quality permit fees and compliance are excluded. Local air quality authorities may require a health risk study or environmental quality assessment. The cost for a health risk study is excluded.

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3. Any additional equipment required as a result of the Air Quality Management District (AQMD or APCD) permit application will be quoted separately. Air quality requirements are ever changing and vary based on jobsite location. BCEW is quoting the latest Tier compliant generators to meet State and Federal regulations unless otherwise noted. It is the customer or end users responsibility to obtain all permits related to the installation and operation of the equipment quoted herein. All permits must be obtained prior to installation of the equipment.
4. "Engines located on or near school grounds: New Stationary emergency standby diesel-fueled engines (>50 bhp) located on school grounds or 100m or less from a school which exists at the date the application for Permit to Construct or Permit to Operate is deemed complete, whichever is earlier shall emit diesel PM at a rate less than or equal to 0.01 g/bhp-hr" which means that a PM Filter will be necessary. If the generator is within 100 meters of a Kindergarden-12th grade school and there is not a price for a PM Filter on this quote please contact your salesperson immediately.
5. Quotation will be held firm for 30 days. This quote may be modified and/or rescinded by BCEW at its sole discretion unless the quote is accepted before the expiration date.
6. On-site installation work is excluded.
7. Fuel, initial fuel fill and fuel for testing is excluded.

Terms and Conditions:

1. Terms of payment are net 30 days from factory shipment, upon approval of credit department.
2. Materials will be invoiced date of shipment from factory.
3. Acceptance of purchase order is based on materials quoted.
4. 1.5% per month on unpaid balance will be assessed if not paid within terms.
5. Terms for retention and liquidated damages will not be accepted.
6. The following charges may be assessed for cancellation of any order:
 - 10% of total order price if cancelled after we have provided submittals and prior to releasing for manufacture.
 - 25% of total order price if cancelled after release to order, or if the equipment is already on order with the factory.
 - 50% of total order price if cancelled less than 60 days before the scheduled shipped date.
 - 100% of total order price if cancelled after the equipment has shipped from the manufacturing plant.

Lead Times:

1. Submittals can be provided within 10 working days from receipt of your order.
2. Current factory lead-time for the generator is 16 - 18 weeks from release for production.

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860 Lawson Street, City of Industry, CA 91748
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3. Current factory lead-time for the Automatic Transfer Switch is 8 - 10 weeks from release for production.
4. If the particulate matter filter adder is required/selected it will add 2-3 weeks to the lead time of the generator.

We appreciate this opportunity to offer our equipment for your consideration. Please call if you have any questions or if I can help in any way. Bay City Electric Works wants to be your Generator System Supplier.

Best Regards,

Doug Tostenson
Industrial Sales Executive
916.844.4547 cell
dtostenson@bcew.com

REFERENCE:
BCEW # 87623
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The authorized purchaser identified below accepts this proposal and agrees, upon acceptance of this contract by Bay City Electric Works, to purchase and pay for the equipment, accessories, and service in accordance with the terms and conditions set forth above.

Company name: _____

Purchaser name and title (please print): _____

Purchaser signature: _____

Date: _____ Purchase Order # _____

Delivery Date Requested by Purchaser: _____

If a delivery date is not provided, BCEW will postpone the release of product orders with its respective vendors until the date is provided in writing. It is the sole responsibility of the Purchaser to provide a delivery date within the current factory lead times.

PLEASE INCLUDE PRELIM INFORMATION WHEN ISSUING A PURCHASE ORDER.

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REFERENCE: City of Yuba City – Mechanic Shop
EMERGENCY GENERATOR SYSTEM
BCEW # 87623

Bay City Electric Works is pleased to offer the following Kohler generator system for your use on the referenced project. This proposal is in accordance with your verbal request. No written details, plans, or specifications were provided. The following clarifications, technical exceptions and/or exclusions are noted:

- Spring type vibration isolators are excluded. Kohler generators include integral vibration isolation that eliminates the need for under unit spring type vibration isolators. The spring isolators increase the height of the generator, allow rodent access through the stub-up area and increase the sound of the package. Our seismically certified models do not require the addition of spring isolators for their certification.

Major system components include:

One (1) UL2200 Listed Kohler model 125REOZJG diesel powered generator set, rated for standby duty at 128 KW, .8 PF, 160 KVA, 120/240 volt, 3 phase, 4 wire, 60 Hertz, 1800 RPM, outdoor in weatherproof sound attenuated enclosure with 298 gallon subbase diesel fuel tank rated for 24 hours at full load.

125REOZJG-CP1 125REOZJG Generator Set

Includes the following:

GM79239-GA1	125REOZJG, 12V, 60hz
222661	Nameplate Rating, Standby 130 Degree
GM19874-KA1	UL2200 Listing
333703	Voltage,60Hz,120/240V,3Ph,4W,0.8PF
GM77931-MA10	Alternator & Mtg. 4R13X
GM72462-MA1	Unit Mtd. Rad. Cooling
GM79235-MA1	Skid & Mtg. 44"
GM79150-MA1	Air Intake, Standard Duty

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GM104378-MA4 Controller, APM402 800A 3PH
GM104381-MA1-BLK Control & Harness, 125 JD APM402
GM71450-AA1 Software, Fuel Level & Fuel in Basin
GM75749-KA5 Accessory Inner Panel
GM71671-KA1 Tank, 298 Gallon
GM87408-KA1 Enclosure, Sound, Crit Sil, Cap - **73dB(A) @ 23 feet**
GM75536-KA1 Block Heater, 120V, 1500w
336692 Battery, 1/12V, 950CCA, Wet
GM94447-KA1 Battery Charger, 12V, 10A
GM79104-KA1 Generator Heater, 120/240V, 200W
GM75749-KA9 Run Relay, 12V
GM75749-KA6 2Input/5Output
GM88179-CA1 Breaker 1 Components
GM51853-KA2 Mtg, LCB, LG-FRAME, 400A 4S
GM51870-KA4-KCB Covers, 4S JBx Lg-Frame LCB
GM51855-KA2 Neutral, 600A 4S
GM86123-KA1 Decals, Bonding & Phasing
GM86326-KA1 LCB, 400A, LGP, EL/Micro LSI, 100%
GM65603-KA1 Flexible Fuel Lines
GM87179-KA1 Air Cleaner Restriction Indicator
GM79151-KA1 Closed Crankcase Vent, Std. A.C.
GM77356-KA3 Rodent Guard, Non Csa, 4Rx
GM73871-KA1 Skid Extension
GM28625-KA2 Coolant in Genset 6 gals.
GM50088 Warranty, 1 Year Standby
258811 Power Factor Test, 0.8, 3Ph Only
Miscellaneous
GM81514-KP Lit Kit, General Maint, 125REOZJG

On-Site Start-Up & Commissioning
On-Site Testing with Available Building Load
On-Site Owner Training

Generator price is\$37,023.00 (Tax Not Included)

One (1) Kohler Model KSS-AFTC-0400S Automatic Transfer Switch, rated at 400 amps, 120/240 volt, 3 phase, 4 wire, 3 pole, solid neutral, in Nema 3R cabinet for outdoor mounting.

Input/Output Module – Installed
Warranty, 1 Year Basic

Transfer Switch price is\$3,514.00 (Tax Not Included)

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REFERENCE:
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Total for Generator and ATS\$40,537.00

Sales Tax – at 7.25%\$2,938.93

Total Package Price Including Sales Tax\$43,475.93

Jobsite inspection, initial startup, and initiation of warranty, by a Bay City Electric Works field technician during normal working hours Monday through Friday 7:00 a.m. to 4:00 p.m. Testing will utilize building load unless the specification states otherwise. Fuel for testing is excluded. Any jobsite orientation and training of operating personnel to be done at the time of startup.

Kohler limited generator warranty, effective from date of startup, for:
1 year or 2000 hours (whichever occurs first) as published in Kohler Brochure.

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1 year as published in Kohler Brochure.

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3. Current factory lead-time for the Automatic Transfer Switch is 8 - 10 weeks from release for production.
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Purchaser signature: _____

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