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UTILITIES AND MAINTENANCE  
100 EDES COURT  
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CITY OF MORGAN HILL  
150KW TRAILER MOUNTED DIESEL GENERATOR  
REQUEST FOR PROPOSAL

OCTOBER 2013

Enclosed are the specifications for a 150KW Trailer Mounted Diesel Generator required by the Utilities Division of the City of Morgan Hill. Carefully review the attached documents. The proposal should include all delivery costs, and applicable warranties, taxes, and freight charges. Failure to follow directions may cause rejection of your proposal.

Proposals should be completed and delivered in a sealed envelope to the Utilities Division, City of Morgan Hill, located at 100 Edes Court, Morgan Hill, CA 95037, and clearly marked "**TRAILER MOUNTED DIESEL 150KW GENERATOR RFP**" **no later than 11:00 a.m. on Tuesday, October 22, 2013.** Candidates need not be present for consideration of award.

Failure to use attached forms provided will result in an incomplete proposal.

Following receipt of the proposals, City staff will review each submittal, conduct follow-up with companies as needed, complete an evaluation/ranking of the proposals, and notify all respondents of the results.

If you have any questions concerning the specification, please call Clint Byrum or Jay Jaso at (408) 776-7333.

Sincerely,

Jay Jaso  
Management Analyst  
408-776-7333

Utilities Division - City of Morgan Hill  
100 Edes Court • Morgan Hill, CA 95037

## PROPOSAL INFORMATION

### Notice

Notice is hereby given that sealed proposals will be received by the Utilities Division of the City of Morgan Hill, located at 100 Edes Court, Morgan Hill, CA 95037 **no later than 11:00 a.m. on Tuesday, October 22, 2013**, for furnishing any and all delivery costs, labor, equipment, materials, and other items necessary to provide the following:

### **150KW TRAILER MOUNTED DIESEL GENERATOR**

### Incurred Costs

The City is not liable for any cost incurred by a firm responding to this Request for Proposal.

### Evaluation of Proposal

Proposals will be evaluated to ascertain which one best meets the needs of the City. It may be necessary for the City to request additional information in order to clarify parts of the proposal. All proposals will be considered. Evaluation considerations will include the following:

1. Responsiveness of the proposal in clearly demonstrating an understanding of the City's objectives and the ability to meet the City's needs.
2. Cost - although a significant factor, may not be the dominant factor; cost is particularly important when all the other evaluation criteria are relatively equal.
3. Technical expertise of the firm and those assigned to the project.
4. Demonstrate ability to effectively work with City staff, and representatives.
5. Ability to deliver within 90 days of award of the proposal.

### Assignment

No agreement, nor any duties or obligations resulting from this proposal may be assigned by selected firm without the prior written consent of City.

### Questions Regarding This Proposal

Clint Byrum  
Utility Supervisor  
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Jay Jaso  
Management Analyst  
408-776-7333  
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CITY OF MORGAN HILL  
UTILITIES DIVISION

EQUIPMENT SPECIFICATIONS  
150KW TRAILER MOUNTED DIESEL GENERATOR

**150KW TRAILER MOUNTED DIESEL GENERATOR**

**MFG.** \_\_\_\_\_  
**MODEL** \_\_\_\_\_  
**kW** \_\_\_\_\_

**PART 1. GENERAL**

1.1 The intent and purpose of these specifications is to secure one trailer mounted diesel generator set of the latest commercial type and design for use as emergency power for 150 hp pump motor code G with reduced voltage auto transformer starting at 65% tap. Any additions, deletions or deviations from the following specifications must be clearly noted in the "DEVIATION" column or the proposal will be disqualified. One copy of the manufacturer's published specifications shall be included with the proposal.

1.2 The diesel engine set shall be a product of a company regularly engaged in the production of generator sets for a minimum of ten years. The generator sets shall be new, unused, and suitable for the intended use.

1.3 Rating of the generator set shall be based on operation of the set when equipped with all necessary operating accessories at an altitude of less than 3,000 ft and an ambient temperature of less than 100 F degrees. The generator set for the well pump shall be rated 150 kW continuous standby, 277/480, 3 phase, 4 wire, 60 Hz, 0.8 power factor at 1,800 rpm.

| <b>PART 2.</b> | <b>PRODUCTS</b>                                                  | <b>YES/NO</b> | <b>DEVIATION</b> |
|----------------|------------------------------------------------------------------|---------------|------------------|
| 2.1            | ENGINE                                                           |               |                  |
| A.             | Diesel powered domestically manufactured                         | _____         |                  |
| B.             | 8.1L, 6 cylinder, 4 cycle, turbocharged/aftercooled              | _____         |                  |
| C.             | CARB Certified Interim Tier 4                                    | _____         |                  |
| D.             | Max. hp at rated rpm: _____ hp                                   | _____         |                  |
| E.             | Electronic isochronous governor with a 0.5% frequency regulation | _____         |                  |
| F.             | Dry Element replaceable air cleaner                              | _____         |                  |
| G.             | Solenoid activated starter motor                                 | _____         |                  |
| H.             | State manufacturer of engine                                     | _____         |                  |

**THIS FORM MUST BE USED WHEN SUBMITTING PROPOSAL**

| PART 2. | PRODUCTS                                                                                   | YES/NO | DEVIATION |
|---------|--------------------------------------------------------------------------------------------|--------|-----------|
| 2.2     | LUBRICATING SYSTEM                                                                         |        |           |
| A.      | 28 qt. oil pan capacity                                                                    | _____  |           |
| B.      | Full flow/by-pass type filter                                                              | _____  |           |
| C.      | Oil cooler                                                                                 | _____  |           |
| D.      | Oil drain extension                                                                        | _____  |           |
| 2.3     | FUEL SYSTEM                                                                                |        |           |
| A.      | Engine rated for #2 diesel fuel                                                            | _____  |           |
| B.      | Fuel filter to 10 microns with replaceable element                                         | _____  |           |
| C.      | Tank to be UL listed with secondary containment and leak detector                          | _____  |           |
| D.      | Fuel tank size 150 gal. min. 200 gal. max. with leak, low fuel alarms                      | _____  |           |
| E.      | Fuel lines shall be flexible construction                                                  | _____  |           |
| 2.4     | COOLING SYSTEMS                                                                            |        |           |
| A.      | Pressurized closed recovery system with radiator and guarded fan                           | _____  |           |
| B.      | Centrifugal-type water pump to be pre-lubed and self sealing                               | _____  |           |
| C.      | 9.6 gal. min. capacity and filled with 50/50 antifreeze/water mixture                      | _____  |           |
| D.      | External Block heater with thermostat-120V 2000W max with shutoff valves                   | _____  |           |
| E.      | Radiator drain extension                                                                   | _____  |           |
| 2.5     | EXHAUST SYSTEM                                                                             |        |           |
| A.      | Critical exhaust silencer                                                                  | _____  |           |
| B.      | Tail pipe and rain cap                                                                     | _____  |           |
| 2.6     | ENGINE ELECTRICAL SYSTEM                                                                   |        |           |
| A.      | Two batteries with sufficient capacity for cranking the engine for 40 sec. at firing speed | _____  |           |
| B.      | Cyclic cranking with crank limiter                                                         | _____  |           |
| C.      | Batteries shall be rack mounted and include all cables                                     | _____  |           |
| D.      | A suitable battery charging alternator                                                     | _____  |           |
| E.      | An appropriate automatic trickle charger                                                   | _____  |           |

**THIS FORM MUST BE USED WHEN SUBMITTING PROPOSAL**

| PART 2. | PRODUCTS                                                                                                                                                                 | YES/NO | DEVIATION |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------|
| F.      | One 50 ft. 12 AWG extension cord with two duplex receptacle convenience outlets (120v) mounted inside generator enclosure to power both trickle charger and block heater | _____  |           |
| 2.7     | GENERATOR                                                                                                                                                                |        |           |
| A.      | Domestically manufactured                                                                                                                                                | _____  |           |
| B.      | The alternator shall be of the 4 pole revolving field, 12 lead, re-connectable, single bearing, brushless type                                                           | _____  |           |
| C.      | Flexible disc coupling                                                                                                                                                   | _____  |           |
| D.      | 1% voltage regulation                                                                                                                                                    | _____  |           |
| E.      | Solid state voltage regulator                                                                                                                                            | _____  |           |
| F.      | Frequency regulation 5% steady state no load to steady state rated load                                                                                                  | _____  |           |
| G.      | System shall accept 100% of rated load at rated power factor                                                                                                             | _____  |           |
| H.      | Voltage dip shall not exceed 15% of rated and recover within 2 1/2 sec                                                                                                   | _____  |           |
| I.      | Self ventilated, drip-proof construction                                                                                                                                 | _____  |           |
| J.      | Sustain short circuit current at 300% of rated current up to 10 sec.                                                                                                     | _____  |           |
| K.      | Molded-case line, 225 amp main line UL listed circuit breaker                                                                                                            | _____  |           |
| 2.8     | CONTROLLER                                                                                                                                                               |        |           |
| A.      | NEMA 1 control panel with rubber isolator mounts                                                                                                                         | _____  |           |
| B.      | Manual off-auto switch with indicator lamp                                                                                                                               | _____  |           |
| C.      | Volts, amps and frequency meters                                                                                                                                         | _____  |           |
| D.      | Meter phase selector switch                                                                                                                                              | _____  |           |
| E.      | Elapsed time meter                                                                                                                                                       | _____  |           |
| F.      | Lamp test switch                                                                                                                                                         | _____  |           |
| G.      | Front mounted voltage adjusting rheostat                                                                                                                                 | _____  |           |
| H.      | Engine cool-down timer                                                                                                                                                   | _____  |           |
| I.      | Indicator lamps for:                                                                                                                                                     |        |           |
| 1.      | High engine temp safety shut down                                                                                                                                        | _____  |           |
| 2.      | Not in auto                                                                                                                                                              | _____  |           |

| <b>PART 2.</b> | <b>PRODUCTS</b>                                                                                                                                                                                         | <b>YES/NO</b> | <b>DEVIATION</b> |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------|
|                | 3. Low oil pressure safety shut down                                                                                                                                                                    | _____         |                  |
|                | 4. Overspeed safety shut down                                                                                                                                                                           | _____         |                  |
|                | 5. Over-crank safety shut down                                                                                                                                                                          | _____         |                  |
|                | 6. Emergency stop                                                                                                                                                                                       | _____         |                  |
|                | 7. Low fuel                                                                                                                                                                                             | _____         |                  |
|                | 8. Low battery                                                                                                                                                                                          | _____         |                  |
| 2.9            | TRAILER                                                                                                                                                                                                 |               |                  |
| A.             | 14,000 lb. rated, dual axle flat bed, pintel hitch, steel welded trailer equipped with electric brakes seven round pin connector SAE J560B meeting DOT regulations-submit specs                         | _____         |                  |
| B.             | Trailer shall include a welded tongue jackstand, leaf springs, rear stabilizer jacks, IC lighting                                                                                                       | _____         |                  |
| C.             | Skid mounted generator set shall be secured attached to trailer frame                                                                                                                                   | _____         |                  |
| D.             | Fuel tank shall be mounted within trailer frame                                                                                                                                                         | _____         |                  |
| E.             | 3 ft safety chains                                                                                                                                                                                      | _____         |                  |
| 2.10           | CHASSIS                                                                                                                                                                                                 |               |                  |
| A.             | Sound attenuated (maximum 68 dBA @ 23 ft. at full load) weather proof outdoor enclosure constructed by the manufacturer of the generator                                                                | _____         |                  |
| B.             | Protective housing shall have lockable doors and painted with rust proof primer and appropriate exterior coat                                                                                           | _____         |                  |
| 2.11           | CABLE                                                                                                                                                                                                   |               |                  |
| A.             | 50 ft. of 4-5 wire 4/0 power cable with strain relief connector hardwired to generator circuit breaker terminating into a 3ph 4w 600v 200a male Crouse-Hinds Cat. # AP204512 S22 or equal with dust cap | _____         |                  |
| 2.12           | MANUALS                                                                                                                                                                                                 |               |                  |
| A.             | Provide two complete operating and maintenance manuals                                                                                                                                                  | _____         |                  |
| 2.13           | WARRANTY                                                                                                                                                                                                |               |                  |
|                | The diesel generator shall be covered by the manufacturer's standard warranty (state terms) for at least one year                                                                                       | _____         |                  |
|                | Please specify warranty for make/model bid:                                                                                                                                                             |               |                  |

| PART 2. | PRODUCTS                                                                           | YES/NO | DEVIATION |
|---------|------------------------------------------------------------------------------------|--------|-----------|
| 2.14    | JOB SITE DELIVERY                                                                  |        |           |
| A.      | Field star up services, verify engine safety shut downs and building load transfer |        |           |
| B.      | Unloading provided by vendor                                                       |        |           |

PROPOSAL:

**This proposal is binding upon the undersigned for twelve (12) weeks after the proposal date.**

**GENERATOR**

**MAKE:** \_\_\_\_\_ **MODEL:** \_\_\_\_\_

**TRAILER**

**MAKE:** \_\_\_\_\_ **MODEL:** \_\_\_\_\_

AGENCY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_  
(print name)

SIGNATURE \_\_\_\_\_ DATE: \_\_\_\_\_

TOTAL (INCLUDING ALL FEES, TAXES, DELIVERY CHARGES, ETC.) \$ \_\_\_\_\_