
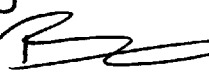


**PUBLIC WORKS DEPARTMENT
MEMORANDUM #2011 – 12**

DATE: March 10, 2011
TO: Honorable Mayor Joyce Downing and City Council Members
FROM: William A. Simmons, City Manager 
David H. Willett, Director of Public Works 
SUBJECT: CR – 31, 2011 Mobile Generator Replacement

BACKGROUND

The Electrical Mechanical Division utilizes a mobile generator to produce power and service our smaller sewer lift stations in the event of a power outage. The current generator is a 60KW military surplus purchased “used” by the City, from the State of Colorado and is approximately 32-years old. The generator emits excessive diesel exhaust smoke and is extremely loud during operation. In addition parts are not readily available.

On January 28, 2011 a request for quotes was posted on the Rocky Mountain E-Purchasing system. The specifications included: 62 kW mobile generator with a 4-cylinder diesel engine, voltage regulations from “no load” to “full load” of $\pm 0.5\%$, sound level 68 dB, emergency stop switch, analog gauges for engine and generator, tandem axle trailer with integral fuel cell, electric brakes on all 4 wheels, 3 position adjustable coupler, and a spare tire with locking mount. An illustration of the trailer and generator are attached to this memorandum.

On February 14, 2011, the City received eight quotes for the mobile generator. Wagner Equipment Co. has the lowest quote responsive to meeting all of the City’s specifications (generator operation and safety equipment). The total quote from Wagner Equipment Co. is \$33,795.00. There were five quotes lower than the Wagner Equipment quote. The vendors associated with the lower quotes either could not provide the specifications requested or were non-responsive such that requested specifications were not included in the bid pricing. Quote summaries and comparisons are attached to this memorandum.

BUDGET/TIME IMPLICATIONS

The Water/Wastewater Fund/Electrical Mechanical Division has \$40,000 budgeted for 2011 under Capital Equipment.

RECOMMENDATION

Attached to this memorandum is a Resolution that, if approved, would authorize the City Manager to issue a purchase order to Wagner Equipment in the amount of **\$33,795** for the purchase of the MQ – MultiQuip Generator. Staff recommends approval of this Resolution.

STAFF REFERENCE

David H. Willett, P.E., Director of Public Works

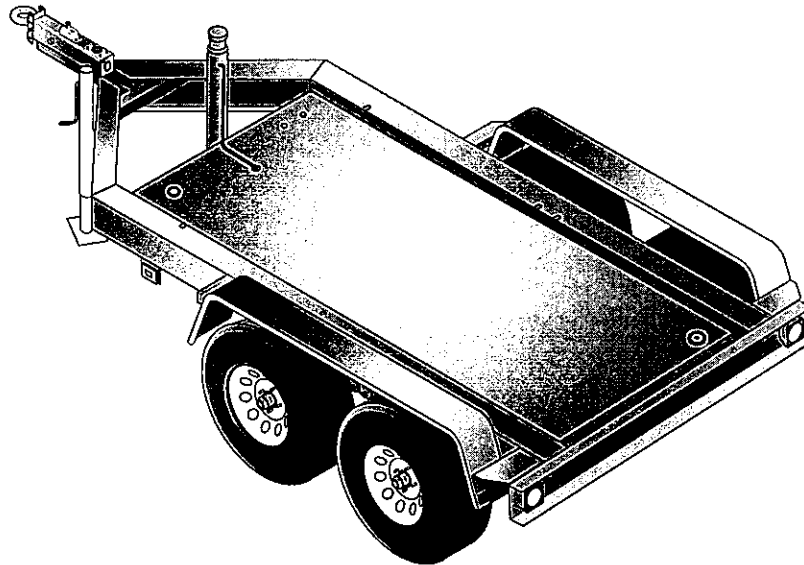
dwillett@northglenn.org or 303.450.8783

| Specifications | Neff Rental (Magnum) | Colorado Standby Power Generation Systems (Magnum) | Titan Power Inc. (Wacker Neuson) | Western Power Group Inc. (Magnum) | Titan Power Inc. (Multiquip-MQ Power) | Wagner Equipment Co (Multiquip-MQ Power) | Rocky Mountain Power Generation (Multiquip-MQ Power) | Energy Management (Magnum) |
|---|-------------------------|---|-------------------------------------|--------------------------------------|--|---|---|-------------------------------|
| Prime Output 70KVA | √ | √ | √ | √ | √ | √ | √ | √ |
| Generator/Engine Voltage Regulations ± 0.5%/Full load | | | | | √ | √ | √ | |
| EPA 3 Tier Certified | √ | √ | √ | √ | √ | √ | √ | √ |
| 4-cycle, water cooled, Turbocharged | √ | √ | √ | √ | √ | √ | √ | √ |
| Engine analog instrumentation | | | | | | √ | √ | √ |
| Generator analog instrumentation | | | | | | √ | √ | √ |
| complete power panel | √ | √ | √ | √ | √ | √ | √ | √ |
| Integral Fuel Cell | | | | | √ | √ | √ | |
| Tandem-axle | | | | | √ | √ | √ | √ |
| Safety Electric Brakes (All axles) | | | | | | √ | | √ |
| Adjustable Coupler | | | | | | √ | √ | |
| Spare Tire with Locking Mount | | | | | | √ | √ | √ |
| Emergency Stop Switch | √ | √ | √ | √ | √ | √ | √ | √ |
| Quote | \$27,736.56 | \$28,574.00 | \$29,338.00 | \$31,920.00 | \$33,588.92 | \$33,795.00 | \$35,800.00 | \$38,908.00 |

√ = Meets Specifications



TRLR70XF Tandem Axle Trailer



| TRLR70XF Technical Data | | | |
|------------------------------------|--------------------------------------|--------------------|--|
| Gross Vehicle Weight Rating (GVWR) | 6,000 lbs | Tire Size | ST205/75D14 LR-C |
| Gross Axle Weight Rating (GAWR) | 3,500 lbs (ea.) | Wheel Bolt Pattern | 5 Lug on 5.5 in. |
| Hydraulic Actuator Rating | 7,500 lbs | Tire Load Rating | 1,760 lbs (ea.) |
| Coupler Rating | See Coupling Options on reverse page | Dimensions (LxWxH) | See Dimensions Drawing on reverse page |

Standard Trailer Features

- Fits MQ Power Generator Model DCA45SS, DCA36SPX, DCA56SPX, DCA70SSI
- Tandem-axle Design with Spring Type Suspension
- H.D. Welded Steel Frame Construction
- Formed Channel for Generator Mounting and Support
- Integral Fuel Cell; Single-wall Steel Design, 52 Gallon Capacity
- Replaceable, Bolt-on Hydraulic Brake Actuator
- Surge Hydraulic-actuated Drum Brakes (all axles)
- Hydraulic Uni-servo Drum Brakes - 10-inch Cluster (allows 15-20% braking in reverse)
- D.O.T. Steel Brake Lines, Brass Tees & Rubber Hydraulic Brake Hoses
- 4-hole Channel Allows 3-position, Adjustable Coupler Height; 4-inches O/A
- Tongue Mounted Swivel Jack with Flat Disc-foot (rated 2,000 pound lift)
- Replaceable, Bolt-on Steel Fenders
- Powder Coat Paint Process including: Frame, Channel, Actuator & Fenders
- D.O.T. Approved Tail Lamps, Stop Lamps, Turn Signal Lamps, Side Marker Lamps



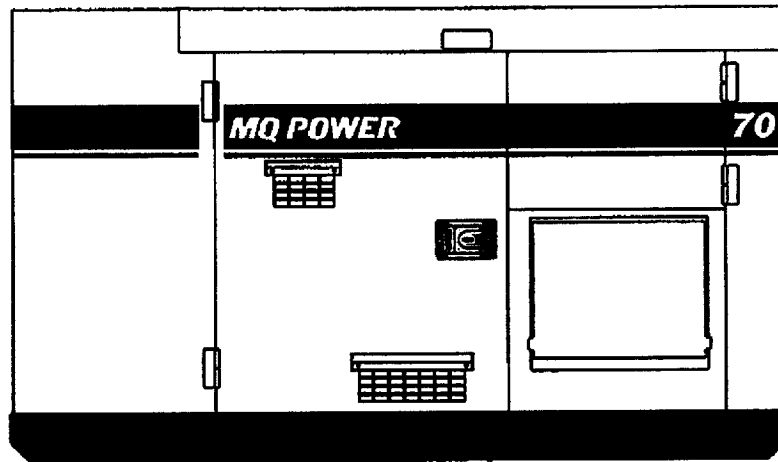
DCA70SSI
WhisperWatt™ Series

WhisperWatt™ 70

Prime Rating: 56 kW (70 kVA)

Standby Rating: 62 kW (77 kVA)

60 Hertz

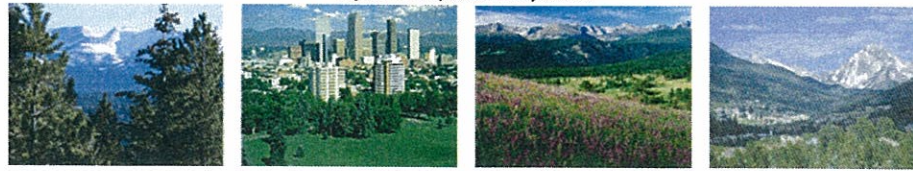


Standard Features

- Heavy duty, 4-cycle, direct injection, turbocharged diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements and meets temperature rise standards for Class H insulation systems.
- Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
- Automatic voltage regulator (AVR) provides precise regulation.
- Electronic Governor Control (Crystal Sync) — maintains frequency to within $\pm 0.25\%$ from no load to full load.
- Full load acceptance of standby nameplate rating in one step (NFPA 110, para 5-13.2.6).
- Sound attenuated, weather resistant, steel housing provides ultra-silent operation at 68 dB(A) at 23 feet. Fully lockable enclosure allows safe unattended operation.
- Integrated fuel tank with direct reading fuel gauges are standard.
- Seven-stage powder coat paint provides durability and weather protection.
- Fuel/water separator removes condensation from fuel for extended engine life.
- Complete engine analog instrumentation includes DC ammeter, oil pressure gauge, water temp. gauge, fuel level gauge, tachometer/hour meter, preheat indicator, and emergency shutdown monitors.
- Complete generator analog instrumentation includes voltage regulator control, ammeter phase selector switch, voltmeter phase selector switch, AC voltmeter, AC ammeter, frequency meter, panel light, and circuit breaker.
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, overspeed and overcrank. Warning lights indicate abnormal conditions.
- Automatic start/stop control — automatically starts the generator set during a commercial power failure when used in conjunction with a transfer switch.
- Complete power panel. Fully covered; three-phase terminals and single phase receptacles allow fast and convenient hookup for most applications including temporary power boxes, tools and lighting equipment. All are NEMA standard.
- Simultaneous single and three phase power.
- Voltage selector switch allows easy to change voltages as your applications require.
- EPA emissions certified - Tier 3 emissions compliant.

Rocky Mountain E-Purchasing System

<http://www.RockyMountainBidSystem.com>



Spreadsheet View for RFQ-2011-08

The spreadsheet below includes the responses for this solicitation ranked by company name and total bid for all line items, displayed left to right. Use the links below to manipulate this data in the various ways provided. [Click Here](#) to export to Excel.

All companies that submitted a no-bid are in a table after the companies that responded with pricing.

[Re-sort line items by lowest extended price from low to high](#)

[Re-sort line items by lowest extended price from high to low](#)

[Re-sort by company name and total bid for all line items](#)

[To change back to regular view click here](#)

| Item | Description | UOM | Qty | Neff Rental | | Colorado Standby Power Generation Systems | | Titan Power Inc. | | Western Power Group, Inc | | Titan Power Inc. | | Wagner Equipment Co | | Rocky Mountain Power Generation | | Energy Management Co | |
|------|--|------|-----|--|-------------|--|-------------|--|-------------|---|-------------|---|-------------|--|-------------|---|---|---|-------------|
| | | | | Unit Price | Ext Price | Unit Price | Ext Price | Unit Price | Ext Price | Unit Price | Ext Price | Unit Price | Ext Price | Unit Price | Ext Price | Unit Price | Ext Price | Unit Price | Ext Price |
| 1 | Heavy duty, 4-cycle, direct injection, turbocharged diesel engine mobile generator on a Tandem-axle Design with Spring Type Suspension trailer | EACH | 1 | \$27,736.56 | \$27,736.56 | \$28,574.00 | \$28,574.00 | \$29,338.00 | \$29,338.00 | \$31,920.00 | \$31,920.00 | \$33,588.92 | \$33,588.92 | \$33,795.00 | \$33,795.00 | \$35,800.00 | \$35,800.00 | \$38,908.00 | \$38,908.00 |
| | | | | Quoting Brand Below: Magnum MMG75 | | Quoting Brand Below: Magnum MMG75 | | Quoting Brand Below: Wacker Neuson Wacker Model G70 | | Quoting Brand Below: Magnum MMG75 | | Quoting Brand Below: Multiquip - MQ Power DCA70SSI & TRLR70XF | | Quoting Brand Below: MQ - MultiQuip DCA70SSIUC w/TRLR70XFE | | Quoting Brand Below: MQ Power DCA70SSI | | Quoting Brand Below: Magnum MMG100 | |
| | Brand Requirement: All Brands are Acceptable | | | | | | | <u>Vendor Comments</u> ALTERNATE MANUFACTURER BID | | | | | | <u>Vendor Comments</u> Includes options called out in Comments To Buyer sect below | | | <u>Vendor Comments</u> per specification, with all trailer options | | |
| | Pricing Guarantee: | | | 90 Days | | 30 Days | | 30 Days from date of quote | | 30 Days | | 30 days from date of quote | | 60 days from Feb 14, 2011 | | 60 days | | 30 days | |
| | Payment Terms / Discount: | | | Net 30 | | Net 15 | | Net 30 Days | | Net 30 | | Net 30 days | | Net 30 days, no early pay discounts | | Net 30 days | | Net 30 | |
| | Warranty Info: | | | 1 Year/Unlimited Hours - 2 Year/2000 Hours | | 1 year/ unlimited hours, 2 years/ 2000 hours | | 2-year, 2000-hour warranty | | 1 Year/Unlimited Hours (Please see warranty overview) | | 24 months with 2000 hours | | 12/24 months, see attached literature | | 2 years, or 2,000 hours | | | |
| | Delivery / Start Date: | | | 45 Days ARO | | Delivery time is 5 to 6 weeks. | | 10-12 weeks ARO | | Lead time: 5-6 weeks | | 10-12 weeks ARO | | Approximately 90 days ARO | | 90 days ARO per manufacturer, possibly sooner | | 03/11/2011 | |
| | Minimum Order? | | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | | No minimum quantity or amount is required. | |
| | Price Firm Through? | | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | | One Time Purchase (See Pricing Guarantee Above) | |
| | Exceptions Taken? | | | Yes | | Yes | | No | | No | | No | | No | | No | | No | |
| | Comments/Exceptions: | | | 1.PMG Excitation System provided instead of Open Delta Design. 2.John Deere ECU provided instead of Crystal Sync Governor Control. 3.Aluminum housing instead of steel. 4. Voltage regulation is +/- | | 1. PMG excitation system instead of open delta design. 2. No crystal sync governor control. John Deere ECU controlled in lieu of. 3. Aluminum Housing instead of steel 4. Voltage regulation is +/- 5. Main cuircuit breaker is 300 amps instead of 175 amps | | THIS IS AN ALTERNATE MANUFACTURE BID | | Field Start-up and employee training is included with this bid. | | | | Including the following options: 3" Pintle Eye 8K Stabilizer Drop Leg Jack Spare Wheel/Tire assembly Spare tire hat section Spare tire carrier Plug holding box/tool box for trailer Tool box mounting bracket | | | | | |

.5% 5. Main Circuit
Breaker is 300 Amps
instead of 175 Amps.

Emergency Stop button
Shipping to destination
No taxes are included in
above pricing

Company Name
Casco Industries, Inc.
Western Fire Truck, Inc.

Vendor Comment
We do not sell Mobile Generators Casco Industries, Inc
Thank you, we do not sell Mobile Generators Western Fire Truck

Companies that Submitted a No Bid Response

[Cancel - Return to Main Menu](#)

SPONSORED BY: MAYOR DOWNING

COUNCILMAN'S RESOLUTION

RESOLUTION NO.

No. CR-31
Series of 2011

Series of 2011

A RESOLUTION TO AUTHORIZE THE CITY MANAGER TO ISSUE A PURCHASE ORDER TO WAGNER EQUIPMENT IN AN AMOUNT NOT TO EXCEED \$33,795.00 FOR THE PURCHASE OF ONE MOBILE GENERATOR

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT:

Section 1. The City Manager is hereby authorized to issue a Purchase Order to Wagner Equipment in an amount not to exceed \$33,795.00 for the purchase of one MQ – MultiQuip mobile generator.

DATED at Northglenn, Colorado, this ____ day of _____, 2011.

JOYCE DOWNING
Mayor

ATTEST:

JOHANNA SMALL, CMC
City Clerk

APPROVED AS TO FORM:

COREY Y. HOFFMANN
City Attorney