

City Council Staff Report

August 19, 2015

Applicant: Public
Works Director
Prepared by: Gary
Calder
Public Hearing: No

REQUEST

Consideration of a Resolution authorizing the public works director to purchase 2 stand-by generators to be used for a sewer lift station at 1600 West 2000 North, and public works building at 1405 West 1600 North.

BACKGROUND AND PROJECT DESCRIPTION

The purpose of the generators is to provide emergency back-up power. Currently both locations have no emergency backup power. These generators will be powered by natural gas within the area. The lift station generator is 30 KW and the public works building is 60 KW. The generators are supplied by Cummins Rocky Mountain a sole use provider that supplies all the other backup generators within the city.

Quotation is from Cummins Rocky Mountain Power Generation:

30 KW - \$13,877.00

60 KW - \$22,896.00

The monies for these have been budgeted in the current year in the Sewer Capital Project Budget 53-74-46. (\$50,000)

Within the next several years it will be budgeted to have all essential pumps with back-up generators.

Installation will be completed by city staff.

RECOMMENATION

Approve the application.

Quotation

CUMMINS ROCKY MOUNTAIN
2167 South 5370 West
West Valley City UT 84120 United States
David Olney 801-524-1382
May 29, 2015

Project Name: Mapleton City - Lift Station

Thank you for your inquiry. The following proposal pricing is given with the intent to cover the project requirements. Included is the following equipment:

We are pleased to quote as follows:

- Cummins 30 kW Natural Gas Powered Generator
- Steel Weather Enclosure – Level 1 sound attenuated
- Circuit Breaker - 60 amp
- Engine coolant heater
- OTEC Automatic Transfer Switch - 125 amp
- Freight to the jobsite – off loading not included
- Initial start up and testing

The pricing **does not include** sales tax, off loading, fuel piping external to the unit, fuel psi regulator, or costs associated with installation.

Item	Description	Qty
	Spark Ignited Genset: 60Hz-20kW-60kW	
Install-US-Stat	U.S. EPA, Stationary Emergency Application	1
C30 N6	30kW, 60HZ, Standby, Natural Gas/Propane Genset, 1800rpm engine	1
A331-2	Duty Rating-Standby Power	1
L090-2	Listing-UL 2200	1
L193-2	NFPA 110 Type 10 Level 1 Capable	1
L228-2	Cert-Seismic,IBC2000,IBC2003,IBC2006,IBC2009,IBC2012	1
L225-2	OSHPD Seismic Certification	1
L155-2	EmissionsCert-SI,EPA,Emergency,Stationary,40CFR60	1
C065-2	Fuel System-Natural Gas/LP Vapor,Auto Changeover	1
F231-2	Enclosure-Alum, Sound,Att,Level 1,w/Exhaust System	1
R002-2	Voltage-277/480,3 Phase,Wye,4 Wire	1
BB95-2	Alternator-60Hz,12L,480/277V,105C,40C amb,IMS	1
H700-2	GENSET CONTROL-POWERCOMMAND 1.1	1
B979-2	Exciter/Regulator - EBS	1
A366-2	Engine Governor-Electronic, Isochronous Only	1
H536-2	Display Language-English	1
H728-2	Meters-AC OutputAnalog (kVA)	1
KS52-2	Relays-Aux,Qty2-25A-15VDC/10A-30VDC	1
H001-2	Shutdown-Low Oil Press	1

H608-2	Control Mounting-Right Facing	1
KV36-2	CB,Loc A,60A,3P,600VAC,80%,UL	1
P178-2	Enclosure Color-Sandstone,Aluminum Enclosure	1
F252-2	Enclosure - Wind Load 180MPH, ASCE7-10	1
A422-2	Engine Starter - 12 VDC Motor	1
A333-2	Battery Charging Alternator-Normal Output	1
BB89-2	Battery Charger - 6 Amp, Regulated	1
E125-2	Engine Cooling-High Ambient Air Temperature	1
H389-2	Shutdown-Low Coolant Level	1
E089-2	Extension-Engine Coolant Drain	1
H669-2	Engine Coolant-50% Antifreeze, 50% Water Mixture	1
E154-2	Coolant Heater, Extreme Cold Ambient	1
D041-2	Engine Air Cleaner-Normal Duty	1
L028-2	Genset Warranty- Base	1
F253-2	Rack, Larger Battery	1
H268-2	Extension-Oil Drain	1
Battery	Lead acid batteries	1

Transfer Switch-Electronic Control:40A/70A/125A

OTEC125	Transfer Switch-Electronic Control, 125Amp	1
A028-7	Poles-3	1
A046-7	Listing-UL 1008/CSA Certification	1
A044-7	Frequency-60 Hertz	1
A042-7	System-3 Phase,3 Wire Or 4 Wire	1
R026-7	Voltage-480 Vac	1
B002-7	Cabinet-Type 3R	1
J030-7	Clock-Exercise, External	1
G009-7	Transfer Switch Warranty - 1 Yr Comprehensive	1

Total \$13,877.00

Notes and Clarifications:

- – Installation by others
- – Connections external to the generator package supplied are by others.
- – Name plate of electrical equipment if required to be supplied by others
- – Infrared testing of electrical equipment if required to be performed by others
- – Please note circuit breakers listed above are Merlin Gerin /SquareD type breakers installed at the factory standard. At this time, Cummins Rocky Mountain has been given no information concerning specific circuit breakers necessary for selective coordination. If applicable, additional pricing will be made available for specific breakers (non-factory standard) upon direction of Selective Coordination Study completed before or after bid date. Note, Selective Coordination Study not included in this proposal. Cummins standard-type

breaker information available upon request for inclusion with proposal

- **General**
- **Prices quoted are good for 45 days**
- **Prices are FOB project site.**
- **Prices do not include:**
 - **Sales tax, fees, or permits.**
 - **Off loading.**
 - **Installation labor or materials.**
 - **Wiring or piping external to the unit.**
 - **Circuit breaker coordination or settings.**
 - **Fuel piping external to the unit**

Submitted by

David Olney , Power Generation Sales
david.t.olney@cummins.com
Mobile: 801-440-1372
Fax: 801-524-1359

Quotation

CUMMINS ROCKY MOUNTAIN
2167 South 5370 West
West Valley City UT 84120 United States
David Olney 801-524-1382
June 17, 2015

Project Name: Mapleton City Water - 60 kW NG

Thank you for your inquiry. Included is the following equipment:
 We are pleased to quote as follows:

- Cummins 60 kW Natural Gas Powered Generator
- Steel Weather Enclosure
- Circuit Breaker - 225 amp
- Engine coolant heater
- OTEC Automatic Transfer Switch - 600 amp
- Freight to the jobsite – off loading not included
- Initial start up and testing

The pricing **does not include** sales tax, off loading, fuel piping external to the unit, or costs associated with installation.

Item	Description	Qty
	Spark Ignited Genset: 60Hz-60kW	
Install-US-Stat	U.S. EPA, Stationary Emergency Application	1
60GGHE	Genset-SpkIgn NatGas/Propane,60Hz,60kW-StandbyRtg	1
A331-2	Duty Rating-Standby Power	1
L090-2	Listing-UL 2200	1
L225-2	OSHPD Seismic Certification	1
L228-2	Cert-Seismic,IBC2000,IBC2003,IBC2006,IBC2009,IBC2012	1
L155-2	EmissionsCert-SI,EPA,Emergency,Stationary,40CFR60	1
C002-2	Fuel System-Natural Gas	1
F172-2	Enclosure-Steel,Sound Att,Level 1,w/Exhaust System	1
R098-2	Voltage-120/208,3 Phase,Wye,4 Wire	1
B415-2	Alternator-60 Hz, 12 Lead, Upper Broad Range, 105C	1
H643-2	SET CONTROL-PCC 2100	1
B184-2	Exciter/Regulator-Pmg, 3 Phase Sensor	1
A366-2	Engine Governor-Electronic, Isochronous Only	1
H606-2	Meters-AC Output,Analog	1
K631-2	Relays-Genset Status, User Configured	1
KU93-2	CB or EB or TB-Left Only	1
KT81-2	CircuitBreaker-225A,Left,3P,240V,TM,80%UL	1
KB73-2	CB or EB or TB-Bottom Entry, Left	1

F179-2	Skidbase-Housing Ready	1
A422-2	Engine Starter - 12 VDC Motor	1
A333-2	Battery Charging Alternator-Normal Output	1
E125-2	Engine Cooling-High Ambient Air Temperature	1
H389-2	Shutdown-Low Coolant Level	1
E089-2	Extension-Engine Coolant Drain	1
H036-2	Coolant Heater-120 Volt Ac, Single Phase	1
D041-2	Engine Air Cleaner-Normal Duty	1
L028-2	Genset Warranty- Base	1
L050-2	Literature-English	1
A322-2	Packing-Skid, Poly Bag	1
F065-2	Rack-Battery	1
H268-2	Extension-Oil Drain	1
0541-0834	Flexible Fuel Connection Kit-NG/LPV-1" (27"L)	1
Battery	Lead acid batteries	1

Transfer Switch-Electronic Control:300A/400A/600A

OTEC600	Transfer Switch-Electronic Control,600Amp	1
A028-7	Poles-3	1
A046-7	Listing-UL 1008/CSA Certification	1
A044-7	Frequency-60 Hertz	1
A042-7	System-3 Phase,3 Wire Or 4 Wire	1
R021-7	Voltage-208 Vac	1
B002-7	Cabinet-Type 3R	1
KB59-7	Battery Charger-15 Ampere, 12 Volt, 50/60 Hertz	1
C027-7	Cover-Switch Control, Security	1
J030-7	Clock-Exercise, External	1
G009-7	Transfer Switch Warranty - 1 Yr Comprehensive	1

Total \$22,896.00

Notes and Clarifications:

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- – Please note circuit breakers listed above are Merlin Gerin /SquareD type breakers installed at the factory standard. At this time, Cummins Rocky Mountain has been given no information concerning specific circuit breakers necessary for selective coordination. If applicable, additional pricing will be made available for specific breakers (non-factory standard) upon direction of Selective Coordination Study completed before or after bid date. Note, Selective Coordination Study not included in this proposal. Cummins standard-type breaker information available upon request for inclusion with proposal

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 - **Off loading.**
 - **Installation labor or materials.**
 - **Wiring or piping external to the unit.**
 - **Circuit breaker coordination or settings.**
 - **Fuel piping and fuel regulator external to the unit.**

Submitted by

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