

Addendum #2

RFP #CC589-23

GATEWAY GENERATOR INSTALL

Technical Clarification / Questions:

- Can work be done prior to the ATS arrival date instead of all of the work following the delivery?
 - The Contractor may do work before the ATS is delivered, however, the Contractor shall submit a schedule to the college for review and approval. Impromptu schedules shall be avoided.
- Is the intent to use the existing load panels?
 - Yes. Existing load panels shall be used.
- What information is available on the existing equipment?
 - Addendum 1 included the cut sheets of the Owner-supplied Generator and Owner-supplied ATS. The Generator is a used 2004 generator with approximately 1577 hrs. The ATS is a new order.
- The E sheets call out two different scales, which is correct?
 - The scale bar is correct at 1"=12'. The note under the Electrical Site Plan header of 1"=5' is not correct.
- Specs call out spare parts to be provided on the generator and ATS. Are these needed?
 - No. Spare parts are required as they are Owner-Provided units.
- Who is paying for the utility hookup fees?
 - The Contractor shall coordinate new service locations needed for gas, or other utilities. Any new hookup or meter fees may be directly billed to the Owner.
- When the gas is swapped over, who is responsible to ensure any adjacent buildings' pilot lights or other equipment relights after the gas is reconnected?
 - The Owner will confirm equipment in adjacent buildings, specifically World Physical Science Center and the Loftin Life Science Center, restarts correctly upon the gas being turned back on.
- When is the generator test going to be performed?
 - The test will be performed on the weekend or break when it does not impact normal college operations.
- Can the ATS rotation be adjusted to what makes the most sense?
 - The ATS may be rotated as long as access is not hindered and walkways remain clear.

- Can the existing supports be used to mount new Unistrut and conduits instead of a cable tray located under the existing supports which would cross windows?
 - The existing supports may be used to mount new Unistrut and conduits or cable tray.
- Is factory testing required of the Owner-Provided equipment?
 - No. Factory testing has already been done to 80% load. The results of that test are provided.
- Can field testing be clarified for who is doing what?
 - The Contractor will be responsible to coordinate the tests called out in 3.06 of the ATS specification. The Owner has already paid for the test services under that bid/purchase.
 - The Contractor will be responsible for verifying the generator operates when called by the ATS.
- The specifications call out a 350kW Generator. The plans call out a 500kW Generator.
 - The 500kW Generator is correct. Cut sheets were provided under Addendum 1.
- The specifications require two (2) ATS to be provided. Is this correct?
 - No. Only one (1) Owner-Provided ATS is in this project.
 - Strike 26 36 00 1.02(D) of the ATS specification.
- What is the BTU Load, Gas Pressure, and Piping Hookup Instructions?
 - The Generator Cut Sheet with this information was provided in Addendum 1.
- The block heater requires a 240V input. The load panel is only a 208V. How should this be addressed?
 - The existing block heater in the generator is 20 years old. Cummins was contacted. Please provide a new Cummins supplied 208V block heater. This will include installing and wiring it into the existing load panel inside the generator enclosure.

Additive Alternates: The bid form has been modified to include two additive alternates where one will be selected by the college regarding the location of the gas line.

- Additive Alternate 1: Surface Mounted Gas Line
 - The gas line may be mounted to the side up the building, straight up, parallel to the existing feed line. Once on the roof, it will travel over the roof to the generator location and down the side of the building and into the generator. This item will include all parts, labor, and necessary items to provide and install the piping, mounting, and delivery to the generator. The item shall be Lump Sum.
- Additive Alternate 2: Bored Gas Line
 - The gas line will be bored as shown in the plans. This item will include all parts, labor, and necessary items to provide and install the piping, mounting, and delivery to the generator. The item shall be Lump Sum.

Updated Bid Sheet:

<h2 style="margin: 0;">Casper College - Bid Form</h2>			
GATEWAY GENERATOR INSTALL RFP #CC589-23			
Qty	UOM	Description	Price
1	LT	Labor and Materials – Gateway Generator Install	
		<u>GRAND TOTAL=</u>	
1	LT	Additive Alternate #1 (if lowers Grand Total put – sign)	
1	LT	Additive Alternate #2 (What is the cost for the gas line that you included in your Grand Total)	
Received Addendum # 1 _____ Addendum # 2 _____ Addendum # 3 _____ (initial only if addendums were issued)			
Bidder Information:		Comments:	
Bidder Name:		Mailing Address:	
City:	State:	Zip:	
Phone Number:		Fax:	
Bidders Name (print):		Title:	
Signature:		Email Address:	
* Signing this form indicates you agree with all the conditions shown in this RFP, addendums (if any) and attachments.			

GENERATOR CHECK ITEMS & QUESTIONS FROM ENGINEER		
1/27/2023		
	Item	Comment
1	Belt condition	New
2	Hose condition	New
3	Battery condition, date?	New
4	Does the unit have a Level II Sound Enclosure?	
5	What kind of enclosure does it have, has it been modified?	metal paneling - NO
6	Does the enclosure have louvers, gravity louvers or dampers?	louvers
7	Does the unit have an enclosure heater? What is the heater wattage?	Setup to / No - one can be installed (capable)
8	Does the unit have an automatic exercise program?	
9	Does the engine have Cummins brand filters? (oil, air, fuel, hydraulic)	Napa filters
10	Does the unit have any remote monitoring or operations capabilities?	
11	Are there any service, maintenance or operations manuals?	No but they would get them
12	Has there been any major work done to the unit?	they say NO
13	What are the generator brushes and comintater condition? Worn? Clean?	
14	Where did the unit come from? Who was the last owner?	
15	Bring back copies of the load tests	✓
	Equip with Battery charger	..
	Natural gas	..
	Just serviced	..
	Start up Hrs 739	..
	Engine Hrs 1580	..
	Enclosure Setup Backwards I think	..
	Access Door are in the back of unit.	..

LOAD BANK REPORT



**GENERATOR
SOURCE**
FORMERLY DIESEL SERVICE & SUPPLY

INDUSTRIAL GENERATOR SALES & SERVICE FOR MORE THAN 35 YEARS

Unit #: 89487 Tested By: Alan Date: 2-8-23

Engine Model #: GTA 28 Generator Model #: 500 GFC4
Serial #: 25296551 Serial #: JMD4H44063228

Generator Rating 500 kW @ 3 Phase, kVa 625
Generator Rating _____ kW @ 1 Phase, kVa _____

Voltage Currently Set at: 277/480 Volts 3 Phase
Voltage was Tested at: 480 Volts 3 Phase
Amperage Rating: 752 Amps @ 480 Volts Unit Hours: 1580.6

Time	kW Load	A.C. Voltage	Hertz	Water Temperature	Oil Pressure	Amperage
5:210 min	00	481	60	180	74	5
1:5710 min	100% 106	481	60	181	72	129
2:0210 min	100% 209	481	60	184	70	254
2:039 min	100% 312	481	60	186	68	378
2:12	100% 412	481	60	191	66	498

Upper Radiator Temp: 0 Auto Start Works: _____ Does Unit Pull Full Rating? (If Not Why): _____
Lower Radiator Temp: _____ Shut Downs Work: _____
Coolant Freezing Temp: _____ Coolant Leaks: _____ Altitude Rating: _____
Condition of Belts: _____ Oil Leaks: _____ Ambient Temp: 45°
Condition of Hoses: _____ Gauges Accurate: _____
Does Engine Alternator Work: _____

Note: Includes _____ Amps for Fan Motor in Load Bank.

Comments: _____

LOAD BANK REPORT



**GENERATOR
SOURCE**
FORMERLY DIESEL SERVICE & SUPPLY

INDUSTRIAL GENERATOR SALES & SERVICE FOR MORE THAN 35 YEARS

Unit #: 89487 Tested By: Alan Date: 1-18-23

Engine Model #: <u>GTA28</u> Serial #: <u>25296551</u>	Generator Model #: <u>500GFGA</u> Serial #: <u>JM04H44063228</u>
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Generator Rating 500 kW @ 3 Phase, kVa 625

Generator Rating _____ kW @ 1 Phase, kVa _____

Voltage Currently Set at: 277/480 Volts 3 Phase

Voltage was Tested at: 480 Volts 3 Phase

Amperage Rating: 752 Amps @ 480 Volts Unit Hours: 1578.7

Time	kW Load	A.C. Voltage	Hertz	Water Temperature	Oil Pressure	Amperage
10 min	0	481	60	178	72	0
10 min	25% 131	481	60	180	71	160
10 min	50% 254	481	60	181	71	308
30 min	80% 404	481	60	187	66	489

Upper Radiator Temp: _____ Auto Start Works: yes Does Unit Pull Full Rating? (If Not Why): 80%

Lower Radiator Temp: _____ Shut Downs Work: plug in type

Coolant Freezing Temp: -20 Coolant Leaks: no Altitude Rating: none

Condition of Belts: OK Oil Leaks: no

Condition of Hoses: OK Gauges Accurate: yes Ambient Temp: 25

Does Engine Alternator Work: yes

* Note: Includes 0 Amps for Fan Motor in Load Bank.

Comments: _____

2/7/23, 2:05 PM

Casper College Mail - Address of exact location for inspection.

Casper College

Steve Armijo <sarmijo@caspercollege.edu>

Address of exact location for inspection.

2 messages

Mitch Masters <mitchell.masters@caspercollege.edu> Tue, Feb 7, 2023 at 1:26 PM
To: Malachi.Bennett@moserenergy.com, Steve Armijo <sarmijo@caspercollege.edu>, "Thomas St. John" <thomas.st.john@caspercollege.edu>

Hi Malachi,

My mechanic was asking for the exact address that the test was taking place and who would be his contact when he arrived. Thanks for the help

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Sincerely,

Mitch Masters
Casper College
Assistant Facilities Operations Director
Phone (406) 799-5387
mitchell.masters@caspercollege.edu

Malachi Bennett <Malachi.Bennett@moserenergy.com> Tue, Feb 7, 2023 at 1:45 PM
To: Mitch Masters <mitchell.masters@caspercollege.edu>, Steve Armijo <sarmijo@caspercollege.edu>, "Thomas St. John" <thomas.st.john@caspercollege.edu>
Cc: Jared Outram <Jared@generatorsource.com>, Tom Horn <Tom.Horn@moserenergy.com>

Sure thing, Mitch,

Jared Outram is your best point of contact for the testing. Address is :

625 Baseline road, Brighton CO

Jared's info is below and I've cc'd him on this.

<https://mail.google.com/mail/u/0/?ik=c1c9c4c148&view=pt&search=all&permthid=thread-F%3A1757205318384884073&siml=msg-F%3A1757205318384884073&siml=msg-F%3A1757206501962737179>
2/7/23, 2:05 PM Casper College Mail - Address of exact location for inspection.

Jared Outram
D: 303-558-8399 C: 214-288-0387

Tom Horn is our Engineering Technician, and he is cc'd as well.
307-247-1013

Sincerely,

Malachi Jordan Bennett
Standby Account Manager

cell: 307.337.5780
moserenergy.com



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Director of Procurement

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