

CITY OF MARIANNA  
COMMISSION AGENDA MEMO  
REGULAR MEETING  
June 7, 2022

**ADMINISTRATIVE STAFF REPORT**

**Subject:**            **Compressed Naturel Gas (CNG) Fueling Station  
Replacement Compressor(s)  
Sole Sources Procurement**

**Subject Background:** The City of Marianna's CNG station is over 10 years old. Presently there are 2 compressors, a small and large compressor. The large compressor has been down for over 30 days waiting for parts. Recently the small compressor went down and caused delay in household garbage collection.

The City's Police Department is primarily CNG vehicles. The Public Works Department is partially CNG vehicles. The City needs to replace the compressors.

**Recommendation:** City Purchasing Manual (procurement policy) allows for single source, Chapter 4, Section 4.04 for (1) Emergency Procurement (2) Sole Source (3) Impossible or Impractical.

There are limited providers for this equipment and service. Service is critical when CNG station is not functioning properly. It is recommended the Commission approve single source purchase for this equipment.

**Potential Motion:**    **To Be Determined**

Prepared by:

PHOENIX ENERGY CORP

205-338-6893 FAX 205-338-6892  
 FED ID #80-0095476  
 164 LEWIS LAKE LANE

# Quote

Date	Quote #
4/1/2022	544

Name / Address
City of Marianna 2898 Green Street P O Box 936 Marianna, FL 32447

Rep	Project
MH	

Description	Qty	Total
Sauer CNG-WP4351 Duplex Compressor	1	261,797.50
- (2) 75 HP Direct Drive Compressors		
- 220 CFM 104 GGE/HR @ 5 PSI Inlet		
Optional 30 Year Lifetime Warranty on compressors	1	16,000.00
Priority/Direct Fill Panel 1/2"	1	33,000.00
Storage Vessel Assembly	3	107,250.00
- 20" x 23'		
- 34,700 SCF @ 4500 PSI		
- 275 GGE		

Quote for listed items above. Pricing good for 30 days. Cost of shipping & installation not included.

**Total** \$418,047.50

## LIFETIME WARRANTY

### Terms and Conditions

245 Log Canoe Circle  
Stevensville, Maryland 21666

T 410.604.3142  
F 410.604.3209

[www.sauerusa.com](http://www.sauerusa.com)

**Overview of Warranty:** Sauer Compressors USA, Inc. ("SAUER") warrants that for a period of thirty years ("LIFETIME") from the date of shipment that the J.P. Sauer & Sohn compressor block ("COMPRESSOR") will meet all applicable design and operational specifications for that model. The COMPRESSOR will be free from defects in material and operational capability under acceptable conditions of installation, operation, and maintenance as outlined in the COMPRESSOR's technical manual and any additional requirements made by SAUER representatives that are communicated to the equipment owner ("CUSTOMER") during the LIFETIME of the COMPRESSOR.

**Compressor Installation:** The COMPRESSOR provided by SAUER must be installed in accordance with SAUER installation requirements and procedures provided at the time of purchase. The customer must maintain the integrity of the installation throughout the LIFETIME of the COMPRESSOR and comply with any recommendations made by SAUER to improve the current installation. Once the compressor is installed, a SAUER representative must be present during the start-up of the new compressor to ensure the equipment is installed as required. Start-up support should be scheduled according to SAUER standard practices with the SAUER Service Department.

**Compressor Maintenance:** The COMPRESSOR applicable to this warranty must be maintained as per the COMPRESSOR's technical manual and documented by the customer appropriately. The maintenance must be completed by a Sauer Compressors USA Certified Technician utilizing Genuine Sauer Spare Parts and the appropriate approved lubricating oil for the application as outlined in the Sauer Compressors USA Oil Manual. It is the responsibility of the CUSTOMER to arrange for the scheduled maintenance to be completed as per the aforementioned requirements. The maintenance records should list the operating hours that the scheduled maintenance was performed and these records should be kept for the LIFETIME of the compressor. The maintenance records should be available to SAUER for review in the event of a warranty claim during the LIFETIME of the compressor.

**Warranty Claims:** The COMPRESSOR covered under the LIFETIME warranty must have a Warranty Registration Form on file with SAUER. It is the responsibility of the customer to contact SAUER within 48 hours of a possible issue to prevent further damage to the applicable COMPRESSOR. Warranty Claims must be submitted and will be processed in accordance with SAUER warranty claim policies and procedures. Oil sample analysis may be required by SAUER to further determine warranty coverage of a claim. Oil sample trend data and/or analysis is highly recommended to ensure the COMPRESSOR is operating as designed throughout the LIFETIME of the unit. Additional limitations listed below.

**Limitations:** It is at the sole judgment of SAUER if the product does not conform to applicable drawings and specifications approved in writing by SAUER for the COMPRESSOR, or is found to be defective in material or workmanship. SAUER, at its choice, can either repair or replace the COMPRESSOR or at their discretion provide a service representative to correct any material or workmanship defects with the COMPRESSOR. This warranty does not extend to any losses or damages due to misuse, accident, abuse, neglect, normal wear and tear, unauthorized modification or alteration, use beyond rated capacity, improper installation, maintenance or application. The customer or its agents has supplied specifications, information, representation of operating conditions or other data to SAUER in the selection or design of the compressor(s) for the preparation of SAUER quotation and sale, and in the event that actual operating conditions or other conditions differ from those represented by the customer or its agents, any warranties or other provisions contained herein which are affected by such conditions shall be null and void. If within 48 hours after the customer discovers any warranty defects within the warranty period, the customer will notify SAUER thereof in writing. SAUER, shall at its option, repair or replace that portion found by SAUER to be defective. Failure by the customer to give such written notice within the applicable time period shall be deemed an absolute and unconditional waiver of the customer's claim for such defects. Compressors repaired or replaced during the warranty period shall be covered by the foregoing warranty for the remainder of the original LIFETIME warranty period. The customer assumes all other responsibilities for any loss, damage, or injury to persons or property arising out of, connected with or resulting from the use SAUER either alone or in combination with other product or components.

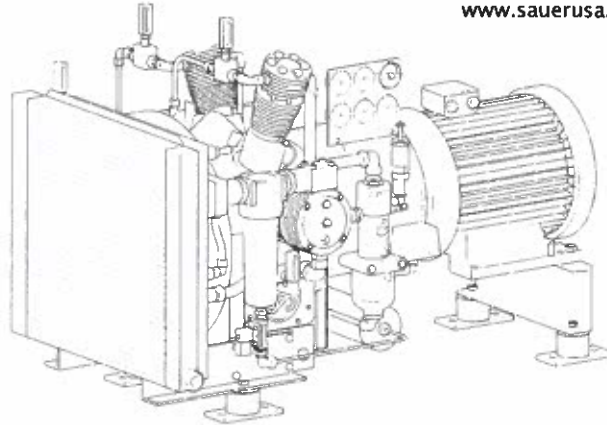
**Liability:** SAUER shall in no event be liable for any consequential, incidental, indirect, special or punitive damages arising out of this warranty or any breach thereof, or any defect in, or failure of, or malfunction of the compressor hereunder, including but not limited to, claims based on loss of use, lost profits or revenue, interest, lost goodwill, work stoppage, impairment of other goods, loss by reason of shutdown or non-operation, increased expenses of operation, cost of purchase of replacement power or claims for service interruption whether such loss or damage is based on contract or tort.

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## WP4351 BASSEAL CNG DATA SHEET



WP4351 BasSeal CNG Data Sheet				
	Operating Pressure Ranges	Speed		UNITS
		1170 RPM (60 Hz)	1770 RPM (60 Hz)	
Flow & Power	3000 PSIG Outlet Pressure (5 PSIG Max Allowable Regulated Inlet Pressure)	72	109	SCFM
		50	75	HP
	3600 PSIG Outlet Pressure (5 PSIG Max Allowable Regulated Inlet Pressure)	70	106	SCFM
		52	79	HP
	4500 PSIG Outlet Pressure (5 PSIG Max Allowable Regulated Inlet Pressure)	69	105	SCFM
		52	79	HP
	5000 PSIG Outlet Pressure (4 PSIG Max Allowable Regulated Inlet Pressure)	69	104	SCFM
		54	81	HP
Technical Specifications	Motor rating	50	75	HP
	Current @ 460 Volts	58	85	Amps
	Current @ 230 Volts	116	170	Amps
	Weight of block and motor	1980	1980	Pounds
	Noise level @ 3 ft	89	91	dB(A)
	Heat dissipation	140,000	210,000	Btu/hr
	Cooling air needed	4,400	6,700	CFM
	Residual oil content at gas outlet (without filtration)	< 3		mg/m <sup>3</sup>
	Delta temperature (gas outlet vs. ambient)	29	40	°F
	Operational ambient temperature range	40-130		°F
	Operating pressure range	1670-5075		psig
	Oil sump capacity	16.9		Quarts
	Dimensions of block and motor (L x W x H)	67 X 39 X 43		Inches
	Cooling method	Air-Cooled		
Drive type	Direct Drive			
Stages/Cylinders	4/4			

\* All data is with 5 % tolerance and is related to ambient conditions of 68 ° F and 14.7 PSIA.

**Package Includes:**

- Gas tight for natural gas compression
- Inlet buffer and blowdown tank assemblies including:
  - Inlet regulator assembly
  - Inlet solenoid
  - Inlet feed pressure switch
  - Safety relief valves
  - Safety pressure switch
  - Piping and valves between the blowdown tank, buffer tank, and compressor
  - Gauges
  - Drain valve assembly for each tank
- Feed tank run-permissive sensor
- Intercoolers and aftercooler
- Oil and water separators after the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> stages
- Safety valve after each stage
- 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, and 4<sup>th</sup> stage pressure gauges
- Class 1 division 2 solenoid valves (115 V / 60 Hz) for automatic drainage of the separators
- Unloaded starting relief and automatic condensate drain system
- Assembly of compressor and electric motor
- Resilient mounts including drainage hoses and gas outlet hose
- 460/3/60 electric motor with IP 55 (TEFC/Class 1 Division 2) protection
- Non-return valve mounted to gas outlet hose
- Class 1 division 2 low oil pressure shutdown switch
- Class 1 division 2 high gas temperature shutdown switch mounted at the gas outlet of the compressor
- Final gas filtration for oil free gas delivery, 0.01 micron and 0.01 ppm oil content
- Complete package mounted on a skid and piped together
- Compressor control system (including motor starter) for starting/stopping the compressor, and monitoring the oil level, gas outlet temperature and outlet pressure of the compressor (supplied loose for mounting in a "safe" environment)
- Class 1 division 2 gas pressure sensor for automatic start/stop (supplied loose)

Standard warranty is 15 months from date of shipment or 12 months after initial installation and start-up, whichever comes first. Ask your Sauer USA representative if your project requires an extended or alternative warranty period.

**Optional equipment:**

- Final receiver packages with the necessary components supplied
- Diesel motor driven
- Modified for 50 Hz power supply
- Customized controls for user specified monitoring and operation
- Sound dampening canopy
- Weather resistant canopy
- Complete package rated for installation in a hazardous location (Class 1 Division 2, or Class 1 Division 1)

Sauer Compressors USA custom engineers solutions for our customers. Please inquire about options you may require which are not listed.

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 164 LEWIS LAKE LANE

**Quote**

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4/1/2022	545

Name / Address
City of Marianna 2898 Green Street P O Box 936 Marianna, FL 32447

Rep	Project
MH	

Description	Qty	Total
ANGI NG300 CNG Compressor - 150 HP Direct Drive Compressor - 373 SCFM 177 GGE @ 100 psi Inlet Priority/Direct Fill Panel 1/2"	1	312,761.00
Storage Vessel Assembly - 20" x 23' - 34,700 SCF @ 4500 PSI - 275 GGE	3	107,250.00
	1	33,000.00

Quote for listed items above. Pricing good for 30 days. Cost of shipping & installation not included.	<b>Total</b>	\$453,011.00
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