



COMPANY INFORMATION

Date: **March 24, 2020**

Company:	2G Energy		
Phone:	904-729-0989 (sales)	Web Site:	http://www.2g-energy.com
Address:	205 Commercial Drive	City:	St. Augustine
State:	Florida	Zip Code:	32092

BUSINESS CONTACT

TECHNICAL CONTACT

Name:	Emily Robertson, Marketing Manager	Name:	
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Address:	205 Commercial Drive	Address:	
City:	St. Augustine	City:	
State:	Florida	State:	
Zip Code:	32092	Zip Code:	

BUSINESS HISTORY

How long have you been in business? In 2009, 2G Energy Inc. established U.S headquarters in Florida

Are you part of a larger company? Yes No

Did you exist as another company before this company was formed? Yes No *If so, what was that company's name?*

2G Energy Inc. is a subsidiary of 2G Energy AG in Germany founded in 1995

Number of employees? 2G Energy AG has 9 subsidiaries represented in 6 countries with over 580 employees worldwide

What is your business structure? Global company with independent affiliates.

What types of insurance and or surety do you provide?

Equipment warranties and system performance guarantees

Describe your business service(s). *For example: consulting, development, engineering, equipment sales, finance, other.*

2G Energy offers clean efficient combined heat and power systems for natural and biogas in the 50 to 2,500 kW power range, with over 6000 2G systems installed worldwide

Describe your area or region of operation.

2G Energy Inc., headquartered in Florida provides sales and support to North America customers. Other North American offices are located in Rockville, Maryland and Fergus, Ontario. We have service technicians located throughout North America for technical support, as well as a network of Authorized Sales and Service Partners.

Does your company hold any patents or the rights to any patents? Yes No *If yes, please describe.*

2G Energy has several CHP equipment and process patents including the patented 2G-Drive® technology, especially developed for biogas operations

Do you manufacture equipment? Yes No *If yes, please describe.*

The 2G Energy Inc. CHP systems are manufactured in our global headquarters of Heek, Germany.

Do you integrate equipment manufactured by others? Yes No

If you integrate, please list the names of the companies you represent.

How do you answer potential customer's questions about financial strength of your company?

2G Energy is part of a global company with 10 subsidiaries in 6 countries having over 6,000 systems deployed

Do you offer technical/service support? Yes No *If so, what methods?*

2G Energy has a robust service team throughout North America with more than 20 service technicians. We offer 24-hour phone support and remote monitoring of all running CHP systems. Our premium service contracts offer complete cost control and offer availability guarantees depending on contract level.

Do you offer design services? Yes No *If yes, please describe.*

2G provides an integrated package of a 100 percent modular “all-in-one” and “connection-ready” CHP systems that are designed to save design costs and reduce technical risks. The CHP process results in overall electrical and thermal efficiencies close to 90 percent.

Do you offer financing? Yes No *If so, what terms?*

2G Energy is able to introduce a customer to financing partners.

Are you a full stop shop? *Design to construction to operate?* Yes No *If so, please describe.*

Do you have preferred partners? Yes No *If so, please list and provide contact information/identify partners by name.*

2G Energy has a national network of distributors serving all regions of the country including: White Harvest Energy, Ooltewah, TN; Logic Energy, Kissimmee, FL; and Highland West Energy, Rexburg, ID.

Do you have any third-party verification/research that has been done on this technology? Yes No

If so, please describe.

An internal combustion reciprocating engine is a well-known product that does not have a 3rd party testing agency to perform these kinds of verifications. All relevant codes and procedures are adhered to.

Do you provide a performance guarantee? Yes No *If so, what are you guaranteeing?*

For example: up time, methane production, biogas production, parasitic load, throughput, O&M cost, percent recovery, other. Please describe.

Yes, 2G will offer a kW and thermal output, as well as availability guarantees on the electrical generation equipment.

Are there any other aspects of your business that you feel should be included in this document?

Newtrient 9-Point Score Information

Is this technology currently operational on at least three North American dairy farms? Yes No

Does this technology have a record of reliable performance for more than 12 months on at least three farms? Yes No

Is this technology installed on at least 10 North American dairy farms?

Yes No

What are the Installed capital costs of this technology? *Please clearly define what is and is not included, Ranges are acceptable.*

2G Energy CHP systems can be employed over a wide range of sizes, applications, fuels and technologies. Capital costs for typical dairy CHP system can range from \$1,000/kW to \$2,500kW depending on a range of variables from system size to gas cleaning measures required.

What are the annual operating costs of this technology? *Please clearly define what is and is not included, Ranges are acceptable.*

O&M can range from 1.0 cent/kW-hr to 3.0 cents/kW-hr depending on the size of the system, proximity to service tech's, gas cleaning equipment, and major overhaul exclusion/inclusion.

What value does this technology or the products it makes, deliver to the farm? *Please list identifiable economic, environmental, or community value (e.g. reduced cost, increased income, reduced odor, improved nutrient use, etc.).*

2G Energy systems provide industry leading efficiencies, meaning dairies can produce more electricity with the same amount of biogas. This can cut the farm energy cost by 40%, reduce CO2 emission from manure by 60%, increase power reliability and reduce outages. The recovered heat can be used on the dairy to reduce heating costs.

Do you feel an in-depth Technology Information Request is needed to help people understand this technology? Yes No

Newtrient has an extensive technical information request document that can be provided, it is based on the information requested for applications to the USDA NRCS EQIP program.