



Date: January 26, 2016

COMPANY INFORMATION

Company Name: CH4 Energy, LLC	
Phone: 661-378-4555	Web Site: CH4Energy.Co
Address: 2150 Pickwick Drive, #3661	City: Camarillo
State: CA	Zip Code: 93011

BUSINESS CONTACT

Name: Wayne Bishop
Phone: 661-378-4555
Email: Wayne.Bishop@CH4Energy.Co
Address: 2150 Pickwick Drive, #3661
City: Camarillo
State: CA
Zip Code: 93011

TECHNICAL CONTACT

Name: Wayne Bishop
Phone: 661-378-4555
Email: Wayne.Bishop@CH4Energy.Co
Address: 2150 Pickwick Drive, #3661
City: Camarillo
State: CA
Zip Code: 93011

BUSINESS HISTORY

How long have you been in business? 12 years

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?

Number of employees? 5

What is your business structure? Renewable and Non-Renewable Energy Developer

What types of insurance and or surety do you provide?

General Liability, Works Comp, Auto, Pollution, Business Interruption, Performance and Payment Bonds

References. Please provide customers or colleagues with whom we can discuss your business and performance.

Please include a separate list with company name, location, contact name and contact information.

Cayuga County Soil and Water Conservation District.
Doug Kierst, District Manager.
7413 County House Road
Auburn, NY 13021
(315) 252-4171, 119

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

Project Development Company
EPC,
DBOM, DBOOM, DB,
Equity and Debt Provider for Project Financing

Area or region of operation.

North America

Does your company hold any patents or the rights to any patents? *Please identify.*

Yes, we hold a hybrid patent that combines CSTR and Lagoons designed for flush dairies and low TS feedstock's.

Do you manufacture equipment? Yes No *Please describe.*

Do you integrate equipment manufactured by others? Yes No

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

We integrate technologies provided by others.
2G-Cynergy CHP, Tank Connection, Energy Concepts,
Hering, Scott's Equipment, & US Farms Equipment.

How do you answer potential customer’s question about financial strength of your company?

We have the ability to secure equity and debt to secure project financing.

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

Biomethane Potential Testing, Anaerobic Digestion Designs, Mass Energy Balances...

Do you offer design services? **Yes** **No** *Please describe.*

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

Yes, we offer financing. Terms and Conditions are based on project specifics.

Are you a full stop shop? *Design to construction to operate?* **Yes** **No** *Please describe.*

Do you have preferred partners? **Yes** **No**

If so, please list and provide contact information/identify partners by name.

Yes, GBU, GICON, HZIU, Layne, US Farms Systems, Scott Equipment, 2-G Cenergy

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

If so, please describe.

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.

We will provided full performance, payment and warranty guarantees. This includes but is not limited to capacity factors, methane concentration, production, parasitic loads, throughput and O&M.

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

No, not at this time.

INITIAL TECHNOLOGY OVERVIEW

This information is to guide in the development of a more specific and detailed Technology Information Request. Please answer the following questions for each Technology or Service Provided.

What is the name of the technology or service?

GBU CSTR GICON LSAD & HSAD HZIU HSAD PEG IBR

What unit process is the technology used in?

For example: initial collection/transfer manure storage, energy recovery, primary/coarse solids recovery, advanced suspended/fine solids recovery, drying, struvite production, nitrification denitrification, ammonia stripping, algae, vermi composting, membrane filtration, evaporation, other.

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How many systems have you installed on dairy farms or other livestock operations?

One. We installed a CSTR on 1,200 cow dairy in California. Sold the power and carbon to a local utility.

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Size of farm(s)?

1,200 lactating cows and 800 support stock.

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Location of farm(s)?

Galt, CA

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What's the smallest/largest farm for your system?

1,000 to 10,000 head.

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Input material description/characteristics:

For example: raw manure, digestate, screened digestate, suitable non-farm feedstocks, other.

Flushed and scraped dairies. TS ranging from 1% to 14%
Food waste from 1% to 35% TS.
Green waste from 35% to 50% TS.

Does the technology treat the full manure stream for a farm or a fraction of the stream?

Full manure.

Do you consider this a mature system or ongoing farm development?

Any weather constraints? Yes No *Please describe.*

Mature and fully bankable technology is all that we install.

Any bedding constraints? Yes No *Please describe.*

Is this process scalable and to what extent (top and bottom limits)? Yes No *Please describe.*

1,000 to 300,000 tpy

Do you have a known scaling factor? Yes No *Please describe.*

Input and output of your unit/system – do you have a mass balance analysis? Yes No *Please describe.*

Do you consider this technology part of a larger system that you provide? Yes No *Please describe.*

No. We always deliver a holistic system solution. We offer several technologies for varying feedstocks. Sometimes we combine technologies to suit the feedstocks.

Has your technology been accepted by the NRCS? Yes No *Please describe.*

Would you be willing to provide information for a technical review? Yes No

Would you be willing to respond to a Request for Quotation (RFQ) on a generic project for comparison of your technology against other technologies in the same unit process? Yes No

Are there any other facts about this technology that you feel should be included in this document?

Not at this time.