NEWTRIENT™
INNOVATIVE SOLUTIONS IN RESOURCE RECOVERY

TECHNOLOGY PROVIDER
BUSINESS INFORMATION REQUEST

Date: 01/20/16

COMPANY INFORMATION

Company Name:	Impact Bioenergy		
Phone:	206-250-3242	**Web Site:**	www.impactbuienergy.com
Address:		**City:**	Seattle
State:	WA	**Zip Code:**	

BUSINESS CONTACT

Name:	Jan Allen
Phone:	206-250-3242
Email:	jan.a@impactbioenergy.com
Address:	
City:	Seattle
State:	WA
Zip Code:	

TECHNICAL CONTACT

Name:	Jan Allen
Phone:	206-250-3242
Email:	jan.a@impactbioenergy.com
Address:	
City:	Seattle
State:	WA
Zip Code:	

BUSINESS HISTORY

How long have you been in business? Since 2013

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? 7

What is your business structure? Delaware C Corp

What types of insurance and or surety do you provide?

General liability & professional liability

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.

Upon request

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

Consulting, equipment sales (proprietary IP protected design), equipment leasing

Area or region of operation.

Global

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

Yes 1 awarded, 2 pending

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.

Vertal, Biochar Solutions, Composting Technology, Daritech

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

We are a new company with very deep experience and a success record; over 10 million tons per diversion and 10 MW of installed biomethane generation

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

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

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

Yes – terms are typical commercial terms

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.

At this point – early adopters are best. www.lcwn.com
http://www.captainrecycling.com/

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

If so, please describe.

PNNL, Element 8, various university facilities groups

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.

Case specific

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

No response given

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?

No response given

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.

No response given

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

No response given

Size of farm(s)?

No response given

Location of farm(s)?

No response given

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

No response given

Input material description/characteristics:
For example: raw manure, digestate, screened digestate, suitable non-farm feedstocks, other.

No response given

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

No response given

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

No response given

Any weather constraints? ◯ **Yes** ◉ **No** *Please describe.*

No response given

Any bedding constraints? ◯ **Yes** ◉ **No** *Please describe.*

No response given

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

No response given

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

No response given

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

No response given

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

No response given

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

No response given

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?

No response given