



Date: 6/13/16

COMPANY INFORMATION

Company Name: R-Qubed Energy, Inc.	
Phone: 915-269-7717	Web Site: http://www.r-qubedenergy.com/
Address: 13290 Stern Dr.	City: Mesquite
State: NM	Zip Code: 88048

BUSINESS CONTACT

Name: Keith Hughes
Phone: 915-269-7717
Email: khughes@r-qubedenergy.com
Address: Same as above
City:
State:
Zip Code:

TECHNICAL CONTACT

Name: Ken Foster
Phone: 915-256-4219
Email: kfoster@r-qubedenergy.com
Address: Same as above
City:
State:
Zip Code:

BUSINESS HISTORY

How long have you been in business? 7 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? Five

What is your business structure? C Corp

What types of insurance and or surety do you provide?

Surety bond for compost clean-up in the amount of \$75,000. In the event R-Qubed went bankrupt, this would ensure clean-up of the land for the benefit of the State of New Mexico.

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.

Layne Heavy Civil: President Les Archer, 812-865-3232, larcher@layne.com

Kilpatrick Townsend and Stockton, LLP: Partner Mark Reidy, 202-508-5823, mreidy@kilpatricktownsend.com

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

Anaerobic Digester Development

Area or region of operation.

North America

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

No

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.

adtec power, gmbh

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

Company is a start-up

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

R-Qubed offers technical service and support through a teaming agreement with Layne Heavy Civil.

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

R-Qubed offers technical service and support through a teaming agreement with Layne Heavy Civil.

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

Layne Heavy Civil: President Les Archer, 812-865-3232, larcher@layne.com

Souder Miller & Associates: Sr. Vice President/COO Karl Tonander, 575-647-0799, karl.tonander@soudermiller.com

adtec power, gmbh in Austria

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

If so, please describe.

Sandia National Labs

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.

Complete EPC wrap.

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

Waste water treatment/recovery

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?

Anaerobic digestion & waste water treatment

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.

Complete

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

None

Size of farm(s)?

N/A

Location of farm(s)?

Dona Ana County, NM

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

2,500 milking cows

Input material description/characteristics:

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

Scrape lane only

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

Proces is 100% solution

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

Mature

Any weather constraints? Yes No *Please describe.*

Any bedding constraints? Yes No *Please describe.*

Sand not joyful

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

Due to overall cost, minimum of 7,000 head of dairy cows, unknown maximum

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

11,000 head per quad

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.*

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?

Our teaming with waste water/digester design/building group makes us unique to the overall solution for dairy CAFO consortiums.