

#4345

<b>RIPUC Use Only</b>	
Date Application Received:	___/___/___
Date Review Completed:	___/___/___
Date Commission Action:	___/___/___
Date Commission Approved:	___/___/___

GIS Certification #: _____
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## RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM

**The Standard Application Form**  
**Required of all Applicants for Certification of Eligibility of Renewable Energy Resources**  
**(Version 7 – June 11, 2010)**

**STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION**  
**Pursuant to the Renewable Energy Act**  
**Section 39-26-1 et. seq. of the General Laws of Rhode Island**

RECEIVED  
 2012 JUL 31 AM 9:31  
 PUBLIC UTILITIES COMMISSION

**NOTICE:**  
 When completing this Renewable Energy Resources Eligibility Form and any applicable Appendices, please refer to the State of Rhode Island and Providence Plantations Public Utilities Commission Rules and Regulations Governing the Implementation of a Renewable Energy Standard (RES Regulations, Effective Date: January 1, 2006), and the associated RES Certification Filing Methodology Guide. All applicable regulations, procedures and guidelines are available on the Commission's web site: [www.ripuc.org/utilityinfo/res.html](http://www.ripuc.org/utilityinfo/res.html). Also, all filings must be in conformance with the Commission's Rules of Practice and Procedure, in particular, Rule 1.5, or its successor regulation, entitled "Formal Requirements as to Filings."

- Please complete the Renewable Energy Resources Eligibility Form and Appendices using a typewriter or black ink.
- Please submit one original and three copies of the completed Application Form, applicable Appendices and all supporting documentation to the Commission at the following address:  
 Rhode Island Public Utilities Commission  
 89 Jefferson Blvd  
 Warwick, RI 02888  
 Attn: Renewable Energy Resources Eligibility

In addition to the paper copies, electronic/email submittals are required under Commission regulations. Such electronic submittals should be sent to: Luly E. Massaro, Commission Clerk at [lmassaro@puc.state.ri.us](mailto:lmassaro@puc.state.ri.us)

- In addition to filing with the Commission, Applicants are required to send, electronically or electronically and in paper format, a copy of the completed Application including all attachments and supporting documentation, to the Division of Public Utilities and Carriers and to all interested parties. A list of interested parties can be obtained from the Commission's website at [www.ripuc.org/utilityinfo/res.html](http://www.ripuc.org/utilityinfo/res.html).
- Keep a copy of the completed Application for your records.
- The Commission will notify the Authorized Representative if the Application is incomplete.
- Pursuant to Section 6.0 of the RES Regulations, the Commission shall provide a thirty (30) day period for public comment following posting of any administratively complete Application.
- Please note that all information submitted on or attached to the Application is considered to be a public record unless the Commission agrees to deem some portion of the application confidential after consideration under section 1.2(g) of the Commission's Rules of Practice and Procedure.
- In accordance with Section 6.2 of the RES Regulations, the Commission will provide prospective reviews for Applicants seeking a preliminary determination as to whether a facility would be eligible prior to the formal certification process described in Section 6.1 of the RES Regulations. Please note that space is provided on the Form for applicant to designate the type of review being requested.
- Questions related to this Renewable Energy Resources Eligibility Form should be submitted in writing, preferably via email and directed to: Luly E. Massaro, Commission Clerk at [lmassaro@puc.state.ri.us](mailto:lmassaro@puc.state.ri.us)

**SECTION I: Identification Information**

1.1 Name of Generation Unit (sufficient for full and unique identification): Synergy Biogas, LLC

1.2 Type of Certification being requested (check one):  
X Standard Certification       Prospective Certification (Declaratory Judgment)

1.3 This Application includes: (Check all that apply)<sup>1</sup>

- APPENDIX A: Authorized Representative Certification for Individual Owner or Operator
- APPENDIX B: Authorized Representative Certification for Non-Corporate Entities Other Than Individuals
- APPENDIX C: Existing Renewable Energy Resources
- APPENDIX D: Special Provisions for Aggregators of Customer-sited or Off-grid Generation Facilities
- X APPENDIX E: Special Provisions for a Generation Unit Located in a Control Area Adjacent to NEPOOL
- X APPENDIX F: Fuel Source Plan for Eligible Biomass Fuels

1.4 Primary Contact Person name and title: Bob Blythe, President

1.5 Primary Contact Person address and contact information:  
Address: 319 First Street, Atlantic Beach, FL 32233  
Phone: 607-592-4727      Fax: \_\_\_\_\_  
Email: bblythe@ch4biogas.com

1.6 Backup Contact Person name and title: Paul Toretta, CEO

1.7 Backup Contact Person address and contact information:  
Address: 30 Lakewood Circle Greenwich, CT 06830  
Phone: (203) 536-2827      Fax: \_\_\_\_\_  
Email: ptoretta@ch4biogas.com

1.8 Name and Title of Authorized Representative (*i.e.*, the individual responsible for certifying the accuracy of all information contained in this form and associated appendices, and whose signature will appear on the application): Bob Blythe, President

Appendix A or B (as appropriate) completed and attached?  Yes     No    ~~XXXX~~

<sup>1</sup> Please note that all Applicants are required to complete the Renewable Energy Resources Eligibility Standard Application Form and all of the Appendices that apply to the Generation Unit or Owner or Operator that is the subject of this Form. Please omit Appendices that do not apply.

- 1.9 Authorized Representative address and contact information:  
Address: 319 First Street, Atlantic Beach, FL 32233  
Phone: 607-592-4727 Fax: \_\_\_\_\_  
Email: bblythe@ch4biogas.com
- 1.10 Owner name and title: CH4 Biogas LLC
- 1.11 Owner address and contact information:  
Address: 319 1st Street Atlantic Beach, Florida  
Phone: 607-592-4727 Fax: \_\_\_\_\_  
Email: bblythe@ch4biogas.com
- 1.12 Owner business organization type (check one):  
 Individual  
 Partnership  
 Corporation  
 Other: Limited Liability Company
- 1.13 Operator name and title: CH4 Biogas LLC
- 1.14 Operator address and contact information:  
Address: 319 1st Street Atlantic Beach, Florida  
Phone: 607-592-4727 Fax: \_\_\_\_\_  
Email: bblythe@ch4biogas.com
- 1.15 Operator business organization type (check one):  
 Individual  
 Partnership  
 Corporation  
 Other: Limited Liability Company

**SECTION II: Generation Unit Information, Fuels, Energy Resources and Technologies**

- 2.1 ISO-NE Generation Unit Asset Identification Number or NEPOOL GIS Identification Number (either or both as applicable): ISO-NY Generator PTID # is 323694
- 2.2 Generation Unit Nameplate Capacity: 1.426 MW
- 2.3 Maximum Demonstrated Capacity: \_\_\_\_\_ MW
- 2.4 Please indicate which of the following Eligible Renewable Energy Resources are used by the Generation Unit: (Check ALL that apply) – *per RES Regulations Section 5.0*
- Direct solar radiation
  - The wind
  - Movement of or the latent heat of the ocean
  - The heat of the earth
  - Small hydro facilities
  - Biomass facilities using Eligible Biomass Fuels and maintaining compliance with all aspects of current air permits; Eligible Biomass Fuels may be co-fired with fossil fuels, provided that only the renewable energy fraction of production from multi-fuel facilities shall be considered eligible.
  - Biomass facilities using unlisted biomass fuel
  - Biomass facilities, multi-fueled or using fossil fuel co-firing
  - Fuel cells using a renewable resource referenced in this section
- 2.5 If the box checked in Section 2.4 above is “Small hydro facilities”, please certify that the facility’s aggregate capacity does not exceed 30 MW. – *per RES Regulations Section 3.32*
- ← check this box to certify that the above statement is true
  - N/A or other (please explain) \_\_\_\_\_
- 2.6 If the box checked in Section 2.4 above is “Small hydro facilities”, please certify that the facility does not involve any new impoundment or diversion of water with an average salinity of twenty (20) parts per thousand or less. – *per RES Regulations Section 3.32*
- ← check this box to certify that the above statement is true
  - N/A or other (please explain) \_\_\_\_\_
- 2.7 If you checked one of the Biomass facilities boxes in Section 2.4 above, please respond to the following:
- A. Please specify the fuel or fuels used or to be used in the Unit: Facility utilizes anaerobic digester technology to extract methane from food waste and animal manure supply.
  - B. Please complete and attach Appendix F, Eligible Biomass Fuel Source Plan.

Appendix F completed and attached?

Yes  No  N/A

2.8 Has the Generation Unit been certified as a Renewable Energy Resource for eligibility in another state's renewable portfolio standard?

Yes  No If yes, please attach a copy of that state's certifying order.

Copy of State's certifying order attached?  Yes  No  N/A

**SECTION III: Commercial Operation Date**

Please provide documentation to support all claims and responses to the following questions:

3.1 Date Generation Unit first entered Commercial Operation: 12/30/2011 at the site.

If the commercial operation date is after December 31, 1997, please provide independent verification, such as the utility log or metering data, showing that the meter first spun after December 31, 1997. This is needed in order to verify that the facility qualifies as a New Renewable Energy Resource.

Documentation attached?  Yes  No  N/A

3.2 Is there an Existing Renewable Energy Resource located at the site of Generation Unit?

Yes  
 No

3.3 If the date entered in response to question 3.1 is earlier than December 31, 1997 or if you checked "Yes" in response to question 3.2 above, please complete Appendix C.

Appendix C completed and attached?  Yes  No  N/A

3.4 Was all or any part of the Generation Unit used on or before December 31, 1997 to generate electricity at any other site?

Yes  
 No

3.5 If you checked "Yes" to question 3.4 above, please specify the power production equipment used and the address where such power production equipment produced electricity (attach more detail if the space provided is not sufficient):

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**SECTION IV: Metering**

4.1 Please indicate how the Generation Unit's electrical energy output is verified (check all that apply):

Documentation Re: 3.1

ENERGY  
CONCEPTS

Energy Concepts  
3445 Winton Place • Suite 102  
Rochester, NY 14623  
Tel: (585) 272-4650  
Fax: (585) 272-4676  
[www.nrg-concepts.com](http://www.nrg-concepts.com)

December 31, 2011

Synergy Biogas, LLC  
319 First Street  
Atlantic Beach, FL 32233

Attn: Mr. Paul Toretta

RE: Synergy Biogas, LLC  
Combined Heat and Power Facility

Dear Mr. Toretta:

Please accept this correspondence as our professional certification that the Combined Heat and Power Facility at 6466 Lemley Road, Wyoming, NY was placed into service successfully on December 30, 2011.

This system consists of one (1) Jenbacher, Model 420GS cogeneration unit with a nameplate output of 1426kW at 480/277V which operates in parallel with the local area electric utility system. The generation system derives its fuel (Methane) from the associated combined farm waste/food waste digester and the complete installation has an expected annual output of approximately 10,000MWh.

The system was successfully paralleled to the local utility distribution system which was witnessed and found acceptable by the interconnecting utility; National Grid. During this operation the system successfully exported the excess electrical energy generated on site through the utility interconnection onto the local electrical distribution system.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Respectfully Submitted,



Keith A. Hargrave, PE  
Integrated Energy Concepts Engineering, P.C.



- ISO-NE Market Settlement System
  - Self-reported to the NEPOOL GIS Administrator
  - Other (please specify below and see Appendix D: Eligibility for Aggregations):
- 

Appendix D completed and attached?  Yes  No  N/A

## SECTION V: Location

5.1 Please check one of the following that apply to the Generation Unit:

- Grid Connected Generation
- Off-Grid Generation (not connected to a utility transmission or distribution system)
- Customer Sited Generation (interconnected on the end-use customer side of the retail electricity meter in such a manner that it displaces all or part of the metered consumption of the end-use customer)

5.2 Generation Unit address: 6466 Lemley Road, Wyoming, NY 14591

5.3 Please provide the Generation Unit's geographic location information:

A. Universal Transverse Mercator Coordinates: zone 17 easting 740709.19 northing 4745978.03

B. Longitude/Latitude: - 78.055093/42.828504

5.4 The Generation Unit located: (please check the appropriate box)

- In the NEPOOL control area
- In a control area adjacent to the NEPOOL control area
- In a control area other than NEPOOL which is not adjacent to the NEPOOL control area ← *If you checked this box, then the generator does not qualify for the RI RES – therefore, please do not complete/submit this form.*

5.5 If you checked “In a control area adjacent to the NEPOOL control area” in Section 5.4 above, please complete Appendix E.

Appendix E completed and attached?  Yes  No  N/A

**SECTION VI: Certification**

6.1 Please attach documentation, using one of the applicable forms below, demonstrating the authority of the Authorized Representative indicated in Section 1.8 to certify and submit this Application.

**Corporations**

If the Owner or Operator is a corporation, the Authorized Representative shall provide **either**:

- (a) Evidence of a board of directors vote granting authority to the Authorized Representative to execute the Renewable Energy Resources Eligibility Form, **or**
- (b) A certification from the Corporate Clerk or Secretary of the Corporation that the Authorized Representative is authorized to execute the Renewable Energy Resources Eligibility Form or is otherwise authorized to legally bind the corporation in like matters.

Evidence of Board Vote provided?  Yes  No  N/A

Corporate Certification provided?  Yes  No  N/A

**Individuals**

If the Owner or Operator is an individual, that individual shall complete and attach APPENDIX A, or a similar form of certification from the Owner or Operator, duly notarized, that certifies that the Authorized Representative has authority to execute the Renewable Energy Resources Eligibility Form.

Appendix A completed and attached?  Yes  No  N/A

**Non-Corporate Entities**

(Proprietorships, Partnerships, Cooperatives, etc.) If the Owner or Operator is not an individual or a corporation, it shall complete and attach APPENDIX B or execute a resolution indicating that the Authorized Representative named in Section 1.8 has authority to execute the Renewable Energy Resources Eligibility Form or to otherwise legally bind the non-corporate entity in like matters.

Appendix B completed and attached?  Yes  No  N/A

6.2 Authorized Representative Certification and Signature:

I hereby certify, under pains and penalties of perjury, that I have personally examined and am familiar with the information submitted herein and based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties, both civil and criminal, for submitting false information, including possible fines and punishment. My signature below certifies all information submitted on this Renewable Energy Resources Eligibility Form. The Renewable Energy Resources Eligibility Form includes the Standard Application Form and all required Appendices and attachments. I acknowledge that the Generation Unit is obligated to and will notify the Commission promptly in the event of a change in a generator's eligibility status (including, without limitation, the status of the air permits) and that when and if, in the Commission's opinion, after due consideration, there is a material change in the characteristics of a Generation Unit or its fuel stream that could alter its eligibility, such Generation Unit must be re-certified in accordance with Section 9.0 of the RES Regulations. I further acknowledge that the Generation Unit is obligated to and will file such quarterly or other reports as required by the Regulations and the Commission in its certification order. I understand that the Generation Unit will be immediately de-certified if it fails to file such reports.

Signature of Authorized Representative:

SIGNATURE:

DATE:

  
PRESIDENT  
(Title)

7/13/12

GIS Certification #:  
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**APPENDIX B**  
**(Required When Owner or Operator is a Non-Corporate Entity**  
**Other Than An Individual)**

**STATE OF RHODE ISLAND**  
**PUBLIC UTILITIES COMMISSION**

**RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM**  
Pursuant to the Renewable Energy Act  
Section 39-26-1 et. seq. of the General Laws of Rhode Island

**RESOLUTION OF AUTHORIZATION**

Resolved: that Bob Blythe, named in  
Section 1.8 of the Renewable Energy Resources Eligibility Form as Authorized Representative,  
is authorized to execute the Application on the behalf of CH4 Biogas,  
the Owner or Operator of the Generation Unit named in section 1.1 of the Application.

SIGNATURE:

Paul Toretta  
Paul Toretta  
CEO CH4 Biogas

DATE:

7/12/12

State: Connecticut

County: Fairfield

(TO BE COMPLETED BY NOTARY) I, Awareah Cala as a  
notary public, certify that I witnessed the signature of the above named Paul Toretta,  
and that said person stated that he/she is authorized to execute this resolution, and the individual  
verified his/her identity to me, on this date: 7/12/2012.

SIGNATURE:

Awareah Cala  
Awareah Cala  
My commission expires on: April 30, 2016

DATE:

7/12/2012

NOTARY SEAL:

**APPENDIX E**  
**(Revised 6/11/10)**

**(Required of all Applicants Located in a Control Area Adjacent to NEPOOL)**

**STATE OF RHODE ISLAND**  
**PUBLIC UTILITIES COMMISSION**

**RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM**

**Pursuant to the Renewable Energy Act**  
**Section 39-26-1 et. seq. of the General Laws of Rhode Island**

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Please complete the following and attach documentation, as necessary to support all responses:

E.1 Please indicate in which Control Area adjacent to NEPOOL the Generation Unit is located:

- New York  
 Hydro Quebec  
 Maritimes (including Northern Maine Independent System Administrator)

E.2 Applicant must provide to the Commission by July 1<sup>st</sup> of each year assurances that the Generation Unit's New Renewable Energy Resources used for compliance with the Rhode Island's Renewable Energy Act during the previous Compliance Year have not otherwise been, nor will be, sold, retired, claimed or represented as part of electrical energy output or sales, or used to satisfy obligations in jurisdictions other than Rhode Island. Such assurances may consist of a report from a neighboring Generation Attribute accounting system or an affidavit from the Generation Unit.

← please check this box to acknowledge this requirement

N/A or other (please explain) \_\_\_\_\_

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E.3 Applicant must acknowledge and provide evidence to support that, in accordance with Section 5.1.(ii) of the RES Regulations, the Generation Attributes associated with the Generation Unit shall be applied to the Rhode Island Renewable Energy Standard only to the extent of the energy produced by the Generation Unit that is or will be actually delivered into NEPOOL for consumption by New England customers. Verification of the delivery of such energy from the Generation Unit into NEPOOL will be performed in accordance with subparagraphs (a), (b) and (c) of RES Regulations Section 5.1.(ii)

← please check this box to acknowledge this requirement.

- (a) Under subparagraph 5.1.(ii)(a), Applicant must verify that the energy produced by the Generation Unit is actually delivered into NEPOOL via “a unit-specific bilateral contract for the sale and delivery of such energy into NEPOOL”.

← please check this box to acknowledge the requirement for Applicant to provide ongoing evidence of one or more unit-specific bilateral contract(s) for all energy delivery into NEPOOL for which Applicant seeks RI RES certification, prior to creation of certificates in each quarter, and:

- i. Please describe the type of evidence to be provided to the GIS Administrator to demonstrate the existence of such unit-specific bilateral contract(s) for the sale and delivery of such energy into NEPOOL, including duration, quantity and counter-party in NEPOOL:

Data will be provided to GIS which shows the flow of power from NY to New England and each transaction will have a NERC tag tied to the generation unit.

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(attach more detail if the space provided is not sufficient)

N/A or other (please explain): \_\_\_\_\_

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**APPENDIX F**  
**(Revised 6/11/10)**  
**Eligible Biomass Fuel Source Plan**  
**(Required of all Applicants Proposing to Use An Eligible Biomass Fuel)**

**STATE OF RHODE ISLAND PUBLIC UTILITIES COMMISSION**  
**Part of Application for Certificate of Eligibility**  
**RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM**  
**Pursuant to the Renewable Energy Act**  
**Section 39-26-1 et. seq. of the General Laws of Rhode Island**

**Note to Applicants:** Please refer to the RES Certification Filing Methodology Guide posted on the Commission's web site ([www.ripuc.org/utilityinfo/res.html](http://www.ripuc.org/utilityinfo/res.html)) for information, templates and suggestions regarding the types and levels of detail appropriate for responses to specific application items requested below. Also, please see Section 6.9 of the RES Regulations for additional details on specific requirements.

The phrase "Eligible Biomass Fuel" (per RES Regulations Section 3.7) means fuel sources including brush, stumps, lumber ends and trimmings, wood pallets, bark, wood chips, shavings, slash, yard trimmings, site clearing waste, wood packaging, and other clean wood that is not mixed with other unsorted solid wastes<sup>1</sup>; agricultural waste, food and vegetative material; energy crops; landfill methane<sup>2</sup> or biogas<sup>3</sup>, provided that such gas is collected and conveyed directly to the Generation Unit without use of facilities used as common carriers of natural gas; or neat bio-diesel and other neat liquid fuels that are derived from such fuel sources.

In determining if an Eligible Biomass Generation Unit shall be certified, the Commission will consider if the fuel source plan can reasonably be expected to ensure that only Eligible Biomass Fuels will be used, and in the case of co-firing ensure that only that proportion of generation attributable to an Eligible Biomass Fuel be eligible. Certification will not be granted to those Generation Units with fuel source plans the Commission deems inadequate for these purposes.

<sup>1</sup> Generation Units using wood sources other than those listed above may make application, as part of the required fuel source plan described in Section 6.9 of the RES Regulations, for the Commission to approve a particular wood source as "clean wood." The burden will be on the applicant to demonstrate that the wood source is at least as clean as those listed in the legislation. Wood sources containing resins, glues, laminates, paints, preservatives, or other treatments that would combust or off-gas, or mixed with any other material that would burn, melt, or create other residue aside from wood ash, will not be approved as clean wood.

<sup>2</sup> Landfill gas, which is an Eligible Biomass Fuel, means only that gas recovered from inside a landfill and resulting from the natural decomposition of waste, and that would otherwise be vented or flared as part of the landfill's normal operation if not used as a fuel source.

<sup>3</sup> Gas resulting from the anaerobic digestion of sewage or manure is considered to be a type of biogas, and therefore an Eligible Biomass Fuel that has been fully separated from the waste stream.

This Appendix must be attached to the front of Applicant's Fuel Source Plan required for Generating Units proposing to use an Eligible Biomass Fuel (per Section 6.9 of RES Regulations).

- F.1 The attached Fuel Source Plan includes a detailed description of the type of Eligible Biomass Fuel to be used at the Generation Unit.

Detailed description attached?  Yes  No  N/A

Comments: \_\_\_\_\_  
\_\_\_\_\_

- F.2 If the proposed fuel is "other clean wood," the Fuel Source Plan should include any further substantiation to demonstrate why the fuel source should be considered as clean as those clean wood sources listed in the legislation.

Further substantiation attached?  Yes  No  N/A

Comments: \_\_\_\_\_  
\_\_\_\_\_

- F.3 In the case of co-firing with ineligible fuels, the Fuel Source Plan must include a description of (a) how such co-firing will occur; (b) how the relative amounts of Eligible Biomass Fuel and ineligible fuel will be measured; and (c) how the eligible portion of generation output will be calculated. Such calculations shall be based on the energy content of all of the proposed fuels used.

Description attached?  Yes  No  N/A

Comments: \_\_\_\_\_  
\_\_\_\_\_

- F.4 The Fuel Source Plan must provide a description of what measures will be taken to ensure that only the Eligible Biomass Fuel are used, examples of which may include: standard operating protocols or procedures that will be implemented at the Generation Unit, contracts with fuel suppliers, testing or sampling regimes.

Description provided?  Yes  No  N/A

Comments: \_\_\_\_\_  
\_\_\_\_\_

- F.5 Please include in the Fuel Source Plan an acknowledgement that the fuels stored at or brought to the Generation Unit will only be either Eligible Biomass Fuels or fossil fuels used for co-firing and that Biomass Fuels not deemed eligible will not be allowed at the premises of the certified Generation Unit. And please check the following box to certify that this statement is true.

← check this box to certify that the above statement is true

N/A or other (please explain) \_\_\_\_\_

- F.6 If the proposed fuel includes recycled wood waste, please submit documentation that such fuel meets the definition of Eligible Biomass Fuel and also meets material separation, storage, or handling standards acceptable to the Commission and furthermore consistent with the RES Regulations.

Documentation attached?  Yes  No  N/A

Comments: \_\_\_\_\_

- F.7 Please certify that you will file all reports and other information necessary to enable the Commission to verify the on-going eligibility of the renewable energy generators pursuant to Section 6.3 of the RES Regulations. Specifically, RES Regulations Section 6.3(i) states that Renewable Energy Resources of the type that combust fuel to generate electricity must file quarterly reports due 60 days after the end of each quarter on the fuel stream used during the quarter. Instructions and filing documents for the quarterly reports can be found on the Commissions website or can be furnished upon request.

← check this box to certify that the above statement is true

N/A or other (please explain) \_\_\_\_\_

- F.8 Please attach a copy of the Generation Unit's Valid Air Permit or equivalent authorization.

Valid Air Permit or equivalent attached?  Yes  No  N/A

Comments: \_\_\_\_\_

- F.9 Effective date of Valid Air Permit or equivalent authorization:

10 / 26 / 2009

- F.10 State or jurisdiction issuing Valid Air Permit or equivalent authorization:  
NYSDEC

## Rhode Island: Renewable Energy Resources Eligibility Form

### Appendix F:

#### Fuel Source Plan:

Synergy Biogas is approved by the New York State Department of Environmental Conservation (NYSDEC) to process up to 120,000 gal/day. The total allowable biomass consists of 80,000 g/day of manure and 40,000 g/day of waste from off-site sources. The waste delivered to the site by NYSDEC permitted haulers and is sourced from local food processors including grocers, slaughterhouses, restaurants and milk processors. Manure is pumped directly from Synergy LLC, a 2,000 cow dairy, on which Synergy Biogas is located.

Each of the pre-selected food processors is under contractual obligation to bring only food grade waste; additionally waste disposal by the food processor is NYSDEC regulated and an approved disposal site is required by their permits. The haulers, if independent of the food processor, are also required to be permitted with the NYSDEC. For each load delivered, Synergy Biogas receives a delivery ticket noting the quantity delivered. This delivery ticket is matched against the tank volume measurements at the dedicated food waste receiving tank.

Food waste deliveries may be sampled at random and tested for ingredients. Additionally, the comingled wastes are randomly tested from the dedicated receiving tank prior to treatment and after the digestion process after being combined with manure. The combined wastes are also pasteurized prior to anaerobic digestion for increased biosecurity.