



State of Rhode Island

Public Utilities Commission and Division of Public Utilities and Carriers

Electric

Water

Wastewater

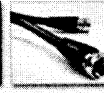
Natural Gas

Telecom

Cable TV

Motor Carriers

Ferry Services



General Info

Consumer Info

Utility Info

Events/Actions

Rules/Regulations

HOME

Renewable Energy Resources

- Rules and Regulations Governing the Implementation of a Renewable Energy Standard (RES) effective July 25, 2007
- Status Report on RES Applications as of November 8, 2013
- **Renewable Energy Resources Eligibility Form and Appendices** - Applications shall be electronically filed with res@puc.ri.gov and an original and three (3) hard copies shall be filed with:

Luly E. Massaro, Commission Clerk
Public Utilities Commission
89 Jefferson Blvd.
Warwick, RI 02888

- Renewable Energy Resources Eligibility Form (Microsoft Word format)
- Appendix E - Attestation pursuant to the Renewable Energy Act R.I.G.L. §39-26-1 et. Seq. and Section 5.1 (iii) of the PUC's Rules and Regulations Governing the Implementation of the Renewable Energy Standard and is required of all Applicants Located in a Control Area Adjacent to NEPOOL
- Renewable Energy Resources Eligibility Form (PDF format)
- Certification Filing Methodology Guide
 - Hydroelectric Facilities - Existing/New Percentage Determination Spreadsheet Template

A copy of the application shall also be electronically served to the Service List.

- **Renewable Energy Standard Annual Compliance Filing for Year 2012 to be filed by Obligated Entities - Instructions, Forms and Appendices** - For details click on the links below. Inquiries regarding the Annual Compliance Filing shall be directed to res@puc.ri.gov
 - General Instructions for Completing Annual Compliance Filing
 - RES Forms and Appendices
 - Instruction for Completing Table One and Documenting Information
 - Table One Form consists of two parts: 1) Compliance for Calendar Year 2012, and 2) Banked Compliance

Compliance Filing shall be electronically filed with res@puc.ri.gov and original hard copy filed with:

Luly E. Massaro, Commission Clerk
Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

- **Commission's Renewable Energy Standard Compliance Reports Pursuant to R.I.G.L. § 39-26-6**
 - Annual RES Compliance Report for Compliance Year 2008
 - Annual RES Compliance Report for Compliance Year 2009
 - Annual RES Compliance Report for Compliance Year 2010
 - Annual RES Compliance Report for Compliance Year 2011
- RES Alternative Compliance Payment (ACP) Rate and Calculation of ACP Rates
- **Renewable Energy Resources Quarterly Fuel Filing Report**
 - Instructions for Completing Quarterly Fuel Filing Report
 - Spreadsheet for Landfill Gas Facilities
 - Spreadsheet for Other (Non-LFG) Biomass Facilities

SECTION I: Identification Information

- 1.1 Name of Generation Unit (sufficient for full and unique identification):
Monument Farms Three Gen Anaerobic Digester
- 1.2 Type of Certification being requested (check one):
☒ Standard Certification ☐ Prospective Certification (Declaratory Judgment)
- 1.3 This Application includes: (Check all that apply)¹
☐ 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
☐ APPENDIX E: Special Provisions for a Generation Unit Located in a Control Area Adjacent to NEPOOL
☒ APPENDIX F: Fuel Source Plan for Eligible Biomass Fuels
- 1.4 Primary Contact Person name and title: Cliff Carpenter
Project Coordinator
- 1.5 Primary Contact Person address and contact information:
Address: 2107 James Rd
Weybridge, VT 05753
Phone: 802-545-2119 Fax: _____
Email: cliffdairy@gmail.com
- 1.6 Backup Contact Person name and title: Jon Rooney
Partner
- 1.7 Backup Contact Person address and contact information:
Address: 2107 James Road
Weybridge VT 05753
Phone: 802-545-2119 Fax: _____
Email: roo_mfd@gmail.com

¹ 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.

- 1.8 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):

Peter James Partner

Appendix ~~A~~ B (as appropriate) completed and attached? ☒ Yes ☐ No ☐ N/A

- 1.9 Authorized Representative address and contact information:

Address: 2107 James Rd
Weybridge VT 05753

Phone: 802-545-2119 Fax: _____

Email: pi_mfd@gmvt.net

- 1.10 Owner name and title: Monument Farms Three Gen, LLC

- 1.11 Owner address and contact information:

Address: 2107 James Road
Weybridge, VT 05753

Phone: 802-545-2119 Fax: _____

Email: _____

- 1.12 Owner business organization type (check one):

- ☐ Individual
☒ Partnership
☐ Corporation
☐ Other: _____

- 1.13 Operator name and title: Monument Farms Three Gen, LLC
Partnership

- 1.14 Operator address and contact information:

Address: 2107 James Road
Weybridge, VT 05753

Phone: 802-545-2119 Fax: _____

Email: cliffdairy@gmvt.net

- 1.15 Operator business organization type (check one):

- ☐ Individual
☒ Partnership
☐ Corporation
☐ Other: _____

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): NON 33712 / 14867
- 2.2 Generation Unit Nameplate Capacity: 0.155 MW
- 2.3 Maximum Demonstrated Capacity: 0.150 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: methane biogas
- 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: 09/13/11 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):

SECTION IV: Metering

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

☐ 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:

3415 Weybridge Rd

Weybridge, VT 05753

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

A. Universal Transverse Mercator Coordinates: 468257.55 X 8115241.55 Y

B. Longitude/Latitude: 44° 02' 46.99 N

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

73° 13' 12.29 W

- ☒ 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

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 Peter James, 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 Monument Farms Three Gen, LLC
the Owner or Operator of the Generation Unit named in section 1.1 of the Application.

SIGNATURES

DATES

| | | |
|---------------------------|---------|-----------------|
| <u>Jonathan V. Rooney</u> | Partner | <u>10/30/13</u> |
| <u>Robert W James</u> | Partner | <u>10/30/13</u> |
| <u>Peter C James</u> | Partner | <u>10/30/13</u> |

State: VermontCounty: Addison

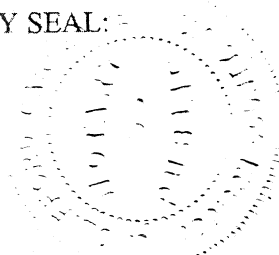
(TO BE COMPLETED BY NOTARY) I, John Clifford Carpenter as a
notary public, certify that I witnessed the signature of the above named Jon Rooney, Peter James
and that said persons ^{they} stated that ~~he~~ ^{they} is authorized to execute this resolution, and the individual
verified his/her identity to me, on this date: 10/30/13

SIGNATURE

DATE:

[Signature] 10/30/13
My commission expires on: 2/10/15

NOTARY SEAL:



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:

Rebo C James
Partner

(Title)

DATE:

10/30/13

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) 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 wastes⁵; agricultural waste, food and vegetative material; energy crops; landfill methane⁶ or biogas⁷, 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 biodiesel 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.

⁵ 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.

⁶ 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.

⁷ 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: Engine is designed to run
on biogas and propane only

- 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:

09/24/10

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

Vermont Department of Environmental Conservation



Appendix F - F.1

Monument Farms Three Gen, LLC
2107 James Road
Weybridge, VT 05753
Tel: 802-545-2119
Fax: 802-545-2117

November 10, 2010

U. S. Department of the Treasury
§1603 Grant Program

Dear Sir or Madam:

We are writing to provide the information required pursuant to the "Treasury 1603: Begun Construction Applicant Checklist" to establish that, during calendar year 2010, Monument Farms Three Gen, LLC (the "Applicant") commenced construction on an anaerobic digester system (the "System") by starting physical work of a significant nature at the System site at Monument Farms, Inc.'s dairy operation in Weybridge, Vermont.

Description of the Specified Energy Property

When completed, the System will digest manure from an existing dairy herd, produce biogas, and combust the biogas to generate renewable electrical energy on a continuous basis. Specifically, the System will collect manure from cows into a large airtight concrete tank with a concrete cover and hold it there for about three weeks. Bacteria present in the manure will "digest" the manure much like a cow's stomach digests feed. Methane rich biogas, produced by the bacterial breakdown of the manure, will be collected from the digester vessel, cooled to precipitate out excess moisture, and utilized to fuel a combined heat and power genset. Digester effluent will be pumped to a mechanical liquid/solid separator. Separated solids will be used primarily as cow bedding material, and remaining liquids will be pumped to an existing manure storage lagoon and land applied using current farm practices.

Certain components of the System, including the digester heating system and gas mixing system, are being designed, constructed and installed by GHD, Inc., of Chilton, Wisconsin, pursuant to a binding contract. Most of these components have already been delivered to the System site in Vermont, and incorporated into the construction occurring on-site. In addition, GHD is acting as administrator for construction of the System and, as such, is overseeing all aspects of project implementation.

The engine, specifically designed to run on biogas, is being provided by the MAN Corporation of Nuremberg, Germany. The generator is being provided by Marathon Electric Generators of Wausau, Wisconsin. Assembly of these components, and their ancillary gas handling and heat recovery systems, is being provided by Martin Machinery of Latham, Missouri.

As described in greater detail below, Applicant is acting as the general contractor for construction of the digester vessel, construction of which is now largely complete.

The System will qualify as an open loop biomass facility under Section 45 of the Internal Revenue Code that will generate at least 150 kW/hr of electricity, and, therefore, is specified energy property eligible for Payments for Specified Energy Property in Lieu of Tax Credits under Section 1603 of the American Recovery and Reinvestment Act of 2009.



Monument Farms Three Gen, LLC
 2107 James Road
 Weybridge, VT 05753
 Tel: 802-545-2119
 Fax: 802-545-2117

November 10, 2010

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 §1603 Grant Program

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As described in greater detail below, Applicant is acting as the general contractor for construction of the digester vessel, construction of which is now largely complete.

The System will qualify as an open loop biomass facility under Section 45 of the Internal Revenue Code that will generate at least 150 kW/hr of electricity, and, therefore, is specified energy property eligible for Payments for Specified Energy Property in Lieu of Tax Credits under Section 1603 of the American Recovery and Reinvestment Act of 2009.

No storage facilities exist.
 No other fuels to be used.

State of Vermont
Department of Environmental Conservation

Agency of Natural Resources

Air Pollution Control Division
103 South Main Street, 3 South
Waterbury, VT 05671-0402

Tel: 802-241-3851
Fax: 802-241-2590

September 24, 2010

Peter James, Managing Partner
Monument Farms Three Gen, LLC
2107 James Road
Weybridge, Vermont 05753

Subject: Biogas-to-Energy Project – Air Permit not Required

Mr. James:

The Vermont Agency of Natural Resources, Air Pollution Control Division ("Agency") received a letter from Monument Farms Three Gen, LLC located on James Road in the town of Weybridge, Vermont. The letter requests approval for the installation and operation of a 180 kilowatt biogas-fired generator set at Monument Farms as opposed to the originally approved 80 kilowatt unit. The Agency requested documentation to ensure adequate stack height, presence of a back-up flare and clean combustion technology. On September 17, 2010 the requested documentation was received from Monument Farms Three Gen, LLC. The Agency has determined that the proposed engine, back-up flare and exhaust stack configuration meet the Agency's requirements and consequently, an Air Pollution Control Permit is not required for the Facility at this time. This determination is based on the information submitted and provided the following conditions are met:

- (1) Monument Farms Three Gen, LLC shall only install and operate a MAN Model MMG-180 biogas engine generator set rated at 180 kilowatts. Monument Farms Three Gen, LLC shall not install an alternative engine, including the 80 kilowatt MAN Model E 0836 LE 202, without prior written approval from the Agency. The engine shall be maintained in good working order at all times and operated and maintained in accordance with the manufacturer's operation and maintenance recommendations.
- (2) Monument Farms Three Gen, LLC shall design and operate the biogas-to-energy Facility in such a manner that any biogas which is not combusted in the engine is routed to a flare that is designed and operated in accordance with 40 CFR Part 60, Subpart A, §60.18. The flare shall also be equipped with a properly sized windscreen to prevent blowout of the flame. All elements of the flare system shall be maintained in good working order at all times and operated and maintained

accordance with the manufacturer's operation and maintenance recommendations.

- (3) The flare shall be equipped and operated with an automatic ignition system, such as a spark ignition system or a continuous pilot light, to ensure immediate and continuous combustion of any biogas that is routed to it. Spark igniters may be powered by the grid or an acceptable alternative power source.
- (4) Monument Farms Three Gen, LLC shall register its air emissions with the Agency annually in accordance with Subchapter VIII of the *Vermont Air Pollution Control Regulations*. Annual registration is required for all facilities that emit more than five (5) tons of emissions annually. Your facility is estimated to exceed five (5) tons if the engine is operated for more than 4,500 hours per year.

Should Monument Farms Three Gen, LLC alter the proposed biogas-to-energy project in any way from that presented to the Agency, such as by combusting an alternate fuel, altering the proposed engine or flare, or increasing the system capacity, Monument Farms Three Gen, LLC shall notify the Agency prior to making such changes so that a new determination for the need for an Air Permit can be made. If you have any questions, feel free to contact me at any time.

Sincerely,

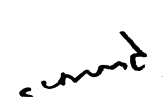


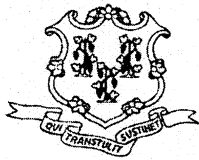
Richard Valentinetti, Director
Air Pollution Control Division
(Dick.Valentinetti@state.vt.us)

Enclosure

cc: Mike Raker, Agricultural Energy Consultants, 781 Holt Road Plainfield, VT 05667

RAV/JH:jh
A1: Weybridge





STATE OF CONNECTICUT

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
PUBLIC UTILITIES REGULATORY AUTHORITY
TEN FRANKLIN SQUARE
NEW BRITAIN, CT 06051

DOCKET NO. 11-10-09 APPLICATION OF MONUMENT FARMS THREE GEN,
LLC FOR QUALIFICATION OF MONUMENT FARMS AS A
CLASS I RENEWABLE ENERGY SOURCE

February 22, 2012

By the following Directors:

Anna M. Ficeto
Kevin M. DelGobbo
John W. Betkoski, III

DECISION

DECISION

I. INTRODUCTION

A. SUMMARY

In this Decision, the Public Utilities Regulatory Authority determines that the Monument Farms facility qualifies as a Class I renewable energy source as a methane gas from landfill facility beginning September 13, 2011 and assigns it Connecticut Renewable Portfolio Standard (RPS) Registration Number CT111009.

B. BACKGROUND OF THE PROCEEDING

By application dated October 12, 2011 (Application), Monument Farms Three Gen, LLC (MFTG or Applicant) requested that the Public Utilities Regulatory Authority (Authority) determine that Monument Farms qualifies as a Class I renewable energy source as an agricultural methane facility.

C. CONDUCT OF THE PROCEEDING

There is no statutory requirement for a hearing, no person requested a hearing, and none was held.

D. PARTICIPANTS IN THE PROCEEDING

The Authority recognized Monument Farms Three Gen, LLC, 2107 James Road, Weybridge, VT 05753; and the Office of Consumer Counsel, Ten Franklin Square, New Britain, Connecticut 06051, as participants in this proceeding.

II. AUTHORITY ANALYSIS

Pursuant to the General Statutes of Connecticut (Conn. Gen. Stat.) §16-1(a) (26), "Class I renewable energy source" is defined as:

(A) energy derived from solar power, wind power, a fuel cell, methane gas from landfills, ocean thermal power, wave or tidal power, low emission advanced renewable energy conversion technologies, a run-of-the-river hydropower facility provided such facility has a generating capacity of not more than five megawatts, does not cause an appreciable change in the river flow, and began operation after July 1, 2003, or a sustainable biomass facility with an average emission rate of equal to or less than .075 pounds of nitrogen oxides per million BTU of heat input for the previous calendar quarter, except that energy derived from a sustainable biomass facility with a capacity of less than five hundred kilowatts that began construction before July 1, 2003, may be considered a Class I renewable energy source, or (B) any electrical generation, including distributed generation, generated from a Class I renewable energy source;

As provided in the application, the Monument Farms facility generates electricity by using methane gas produced by farm animals located at 2107 James Road in Weybridge, Vermont. The Monument Farms facility utilizes an anaerobic digester to capture methane released from the decomposition of organic waste material produced by farm animals. Monument Farms is currently owned by MFTG and began commercial operation on September 13, 2011. It has an electrical generating capacity of 155 kW. Application, pp. 1 and 2.

By Decision dated April 2, 2008 in Docket No. 07-06-22, Petition of Cushman Farms for a Declaratory Ruling For Qualification as a Class I Renewable Energy Source, the Authority held that a dairy farm that makes use of manure and organic waste to produce methane gas utilizes the same process to produce energy using methane gas as is utilized by a landfill. Since the Monument Farms agricultural methane facility similarly uses methane gas produced from farm animals to generate electricity, the Authority finds that Monument Farms qualifies as a Class I renewable energy source for energy derived from landfill methane gas.

In its Decision dated October 12, 2004 in Docket No. 04-05-13, Application of Pratt & Whitney for Connecticut Renewable Generator Qualification – Cape Cod Community College Fuel Cell (Cape Cod Decision), the Authority stated that since behind-the-meter and off-grid generators self-report their data to the NEPOOL GIS, the Authority had concerns about the ability to verify the accuracy of the data. Because of these concerns, the Authority stated that it may periodically audit in-state resources, but it was not feasible for the Authority to audit resources located outside of Connecticut. Therefore, the Authority concluded that in order for an out-of-state generator to qualify for Connecticut's RPS, it must submit documentation or evidence showing either that it meets the metering and telemetering requirements for grid-connected generators or that a third party with "competent jurisdiction" is verifying the data and auditing the facility. Cape Cod Decision, p. 8.

In the Cape Cod Decision, the Authority established the standards for behind-the-meter and off-grid generators for qualification in Connecticut's RPS program. The Authority recognized the value of these resources and made eligible those out-of-state generators that can provide documentation that their generation output is "audited and verified quarterly by an entity with competent jurisdiction." Whether the entity can verify and audit the data and provide the same assurances as other entities with competent jurisdiction can be determined by the Authority on a case-by-case basis. Cape Cod Decision, p. 9 and footnote 7.

MFTG proposes to use Vermont Electric Power Producers, Inc. (VEPP) as its third party output verifier. Response to Interrogatory ENG-1. In its Decision dated April 6, 2011 in Docket No. 10-12-09, Application of Gerald Tarrant for Qualification of Dubois Methane Generator Facility as a Class I Renewable Energy Source, the Authority accepted VEPP as a third party verifier. The Authority therefore concludes that the independence of VEPP Inc. provides assurance to the Authority that the behind-the-meter generation that will be afforded Renewable Energy Credits (RECs) is actually produced by Monument Farms.

Based on the foregoing information, Monument Farms qualifies as a Class I renewable energy source pursuant to Conn. Gen. Stat. §16-1(a)(26) as of this date. The Authority assigns each renewable generation source a unique Connecticut Renewable Portfolio Standard (RPS) registration number. Monument Farms' Connecticut RPS registration number is CT111009.

III. FINDINGS OF FACT

1. The Monument Farms facility utilizes methane gas produced from farm animals to generate electricity
2. Monument Farms is located in Weybridge, VT.
3. Monument Farms is currently owned by MFTG.
4. Monument Farms began commercial operation on September 13, 2011.
5. Monument Farms has a rated capacity of 155 kilowatts.

IV. CONCLUSION AND ORDER

A. CONCLUSION

Based on the evidence submitted, the Authority finds that Monument Farms qualifies as a Class I renewable energy source pursuant to Conn. Gen. Stat. § 16-1(a)(26) beginning September 13, 2011. Monument Farms' Connecticut RPS registration number is CT111009.

The Authority's determination in this docket is based on the information submitted by MFTG. The Authority may reverse its ruling or revoke the Applicant's registration if any material information provided by the Applicant proves to be false or

misleading. The Authority reminds MFTG that it is obligated to notify the Authority within 10 days of any changes to any of the information it has provided to the Authority.

B. ORDER

For the following Order, submit one original of the required documentation to the Executive Secretary, 10 Franklin Square, New Britain, CT 06051, and file an electronic version through the Authority's website at www.ct.gov/dpuc. Submissions filed in compliance with PURA Orders must be identified by all three of the following: Docket Number, Title and Order Number.

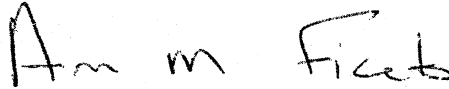
1. MFTG shall file, by the date indicated in the table below, the Quarterly Generation Report from the GIS system that shows the number of RECs created by Monument Farms on the Creation Date (as defined in Section 2.1(b) of the GIS Operating rules, as amended from time to time, for said quarter. Due to the timing of this Decision, the first report is due on March 15, 2012.

| Class I Activity Calendar Quarter | GIS REC Creation Date | Report Due Date |
|--|----------------------------------|----------------------------|
| 1(Jan 01-Mar 31) | July 15 | August 15 |
| 2(Apr 01-Jun 30) | Oct 15 | November 15 |
| 3(Jul 01-Sep 30) | Jan 15 | February 15 |
| 4(Oct 01-Dec 31) | April 15 | May 15 |

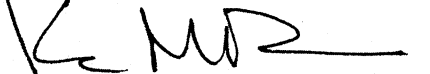
The Authority is an affirmative action/equal opportunity employer and service provider. In conformance with the Americans with Disabilities Act (ADA), the Authority makes every effort to provide equally effective services for persons with disabilities. Individuals with disabilities who need this information in an alternative format to allow them to benefit and/or participate in the agency's programs and services, should call 860-424-3035 or e-mail the ADA Coordinator at DEP.aaoffice@ct.gov. Persons who are hearing impaired should call the State of Connecticut relay number 711. Requests for accommodations must be made at least two weeks prior to the meeting date (Emphasis added).

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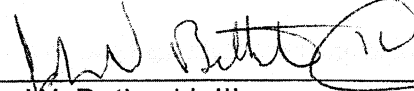
This Decision is adopted by the following Directors:



Anna M. Ficeto



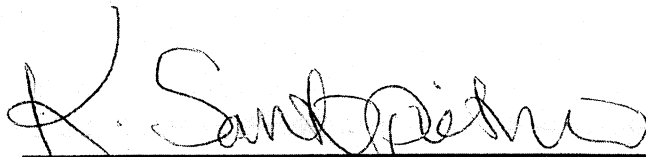
Kevin M. DelGobbo



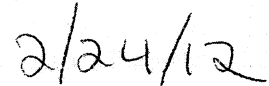
John W. Betkoski, III

CERTIFICATE OF SERVICE

The foregoing is a true and correct copy of the Decision issued by the Public Utilities Regulatory Authority, State of Connecticut, and was forwarded by Certified Mail to all parties of record in this proceeding on the date indicated.



Kimberley J. Santopietro
Executive Secretary
Department of Energy and Environmental Protection
Public Utilities Regulatory Authority



Date

for 3.1



P.O. Box 69
Chilton, WI 53014
920-849-9797

MONUMENT FARMS THREE GEN, LLC ANAEROBIC DIGESTER COMMISSIONING REPORT

September 13, 2011

GHD, Inc. certifies that the anaerobic digester system for Monument Farms Three Gen, LLC, located at 3467 Weybridge Road, Weybridge, Vermont, has been installed and tested. The anaerobic digester system is operating as intended for the generation of electricity as of the above date.

This certification is based on system inspection, testing by the gen-set installer, and utility interconnection. The new gen-set consists of one 155 kW Man gen-set installed by Martin Machinery.

GHD, Inc.

Bradd Seegers

Bradd Seegers
Project Administrator

*John + Xerox
pictures
(pgs 2-8)*

for 3.1

Form RD 4288-1

(3-11)

Form Approved

OMB No. 0570-0063

| | |
|---|--|
| U.S. DEPARTMENT OF AGRICULTURE Rural Development – Rural Business- Cooperative Service | Contract Number (for Agency use only) |
| ADVANCED BIOFUEL PAYMENT PROGRAM ANNUAL APPLICATION | |
| <p>NOTE: The following statement is made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.), as amended. The authority for requesting the following information is Section 9001 of the Food, Conservation, and Energy Act of 2008 (P.L. 110-234). The information will be used to complete the terms of a contract between the Advanced Biofuel Producer and the Agency. Information on the number of jobs saved and created will be used to assess the economic impact of the program. Furnishing the requested information is voluntary; however, without the information (other than the number of jobs saved and created), eligibility to enter into a Contract with the Agency cannot be determined. This information may be provided to other agencies, the Internal Revenue Service, the U.S. Department of Justice, or other State and Federal law enforcement agencies, and in response to a court magistrate or administrative tribunal. The provisions of criminal and civil fraud statutes, including 18 U.S.C. 286, 287, 371, 641, 1001, 1014; 15 U.S.C. 714m; and 31 U.S.C. 3729, may be applicable to the information provided.</p> <p>According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0570-0063. The time required to complete this information collection is estimated to average 1.4 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. RETURN THIS COMPLETED FORM TO THE USDA RURAL DEVELOPMENT STATE OFFICE IN THE STATE IN WHICH THE PRODUCER'S PRINCIPAL PLACE OF BUSINESS IS LOCATED.</p> | |

| | | | |
|--|--|---|--|
| 1. Name of Advanced Biofuel Producer | | 2. Fiscal Year for which payment is sought | |
| Monument Farms Three Gen, LLC | | 2012 | |
| 3. Mail Address (Headquarters of Advanced Biofuel Producer regular mail) | | | |
| 2107 James Road, Weybridge, VT 05753 | | | |
| 4. IRS Tax Identification Number of Producer | | 5A. Contact Person | |
| 26-4713436 | | Peter C. James | |
| 5B. Contact Person's Title | | 6. Telephone No. (Include Area Code) | |
| Managing Partner | | 802-545-2119 | |
| 7. FAX No. (Include Area Code) | | 8. E-Mail Address | |
| 802-545-2117 | | pj_mfd@gmavt.net | |
| 9. DUNS Number (do not complete if the applicant is an individual): | | 10. Are the Certification(s) required by the applicable Notice or regulations attached? (Check one) | |
| 831051102 | | <input checked="" type="checkbox"/> yes <input type="checkbox"/> no | |
| 11. Provide a description of the Advanced Biofuel facility and the type(s) of output (attached additional pages if necessary). | | | |
| Dairy farm anaerobic digester to generate electricity for sale to the utility. | | | |

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer.

Part A – All Advanced Biofuel Producers shall complete Tables A1 and A2. Advanced Biofuel Producers who did not participate in the Advanced Biofuel Payment Program in the Fiscal Year preceding the Fiscal Year for which payment is sought shall also complete Table B.

1. Complete Tables A1 and A2 reporting each of the Producer's Advanced Biofuel Facilities. Attach an additional listing if the Producer has more than 5 Advanced Biofuel Facilities.

Table A1. Advanced Biofuel Facility Information

| Number | A. Advanced Biofuel Facility Name | B. Registration Number (AFT, ASTM, State Registration #) | C. Number of Jobs | | D. Location | |
|--------|-----------------------------------|--|-------------------|-------|----------------------------------|---------|
| | | | Created | Saved | Address | County |
| 1 | Monument Farms Anaerobic Digester | | 0 | 0 | 3415 Weybridge Rd, Weybridge, VT | Addison |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |

Table A2. Advanced Biofuel Facility Production and Capacity Information

| Number | A. Advanced Biofuel Facility Name | B. Production Start-up Date | C. Capacity at Facility to produce Advanced Biofuels (include units) | For the Fiscal Year preceding the Fiscal Year for which payment is sought | |
|--------|-----------------------------------|-----------------------------|--|---|--|
| | | | | D. Quantity of Eligible Advanced Biofuels Produced and Sold (include units) | E. Number of days during which no eligible Advanced Biofuels were produced (do not include weekends) |
| 1 | Monument Farms Anaerobic Digester | Sept. 13, 2011 | 1,357,800 kWh/yr | 23,755 kWh | 0 |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| Totals | | | 1,357,800 kWh/yr | 23,755 kWh | |

Note 1: When entering the capacity of the facility, include capacity for all Advanced Biofuels produced at the site regardless of whether they are eligible for payment under the Advanced Biofuel Payment Program.

Note 2: When entering the quantity of eligible Advanced Biofuels produced and sold, enter only the quantity that is sold as an Advanced Biofuel through an arm's length transaction to a third party. Do not include any Advanced Biofuel that is used on-site.

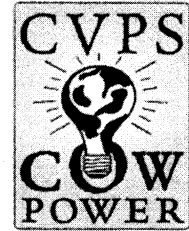
- 4) *For Biodiesel, biomass-based diesel, and liquid hydrocarbons derived from biomass only:*
NA, NA, and the NA produced meet the definition and registration requirements as applicable under:
- Energy Independence and Security Act,
 - Clean Air Act,
 - Environmental Protection Agency,
 - Internal Revenue Service, and
 - Quality requirements per applicable ASTM International standards and commercially acceptable quality standards of the local market.
- 5) *For Gaseous advanced biofuel only (includes fuel sold in gaseous state or converted to electricity):*
Anaerobic Digester Biogas produced meets commercially acceptable pipeline quality standards of the local market (if sold in gaseous form); flow meters used to determine the quantity of advanced biofuel produced are industry standard and properly calibrated by a third-party professional; and that the readings have been taken by a qualified individual.
- 6) *For Woody biomass feedstock only:*
NA cannot be used as a higher value wood-based product per third party documentation provided with the enrollment application.
- 7) Monument Farms Three Gen, LLC meets all requirements for program payments.

Peter James for Monument Farms Three Gen, LLC
Applicant Name

Peter C James
Authorized signature

10/21/11
Date

Central Vermont Public Service Corporation



**Monument Farms Three Gen llc
Mr. Peter James
2107 James Road
Weybridge, Vermont 05753**

Dear Peter;

Please find attached below a report from the CVPS MV90 meter data system for your generating facility in Weybridge. Per your request, the facility produced 23,755.7 kiloWатthours through September 30, 2011 at midnight. This is the net energy delivered to the CVPS distribution system.

Sincerely;

David J. Dunn, Manager of Renewable Projects.

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EV-90XI                               TIME OF USE REPORT    OCT 24, 2011 10:59 AM  PAGE 1
RECORDER ID: 3109                      GROUP: 12             START TIME: 09/01/11 00:01
LOCATION: JAMES RD                       CLOCK: 60 MINS        STOP  TIME: 09/30/11 24:00
DEVICE ID: 0005250642
CUSTOMER ID: 3109                      ADDRESS: JAMES RD
NAME: MONUMENT FARES                  WEYBRIDGE, VT
ACCOUNT #: 01-075579-17-161
SCHEDULE: 32  RATE 02 WITH DEMAND      SEASON # 1           FROM 00/00 TO 00/00

CHANNEL# 2      KW      METER# 5250642      - OFF PEAK      (COMBINED)
* DEMAND PEAKS for PEAK_DAYS (COMBINED)
* 1 * 09/22/11 21:00      80.87
* 2 * 09/23/11 09:00      79.41
* 3 * 09/23/11 02:00      79.34
* 4 * 09/22/11 22:00      79.26
* 5 * 09/21/11 05:00      79.14
* 6 * 09/24/11 09:00      78.97
OFF PEAK      KWH USAGE: 23755.7 is 100.00% of TOT-      23755.7
OFF PEAK      LOAD FACTOR: .4080
OFF PEAK      ACCUMULATED ENERGY TIME: 720 HOURS and 0 MINUTES

```

| | DAILY | KW | PEAKS FOR OFF PEAK |
|-------|----------|-------|--------------------|
| * 1 * | 09/22/11 | 21:00 | 80.87 |
| * 2 * | 09/23/11 | 09:00 | 79.41 |
| * 3 * | 09/21/11 | 05:00 | 79.14 |
| * 4 * | 09/24/11 | 09:00 | 78.97 |
| * 5 * | 09/29/11 | 08:00 | 77.80 |
| * 6 * | 09/30/11 | 10:00 | 77.60 |

INTERVAL STATUS CODES:

PO-Power Outage , SI-Short(False) , LI-Long(Missing) , CR-CRC Chksum Err
RA-RAM Chksum Err , RO-ROE Chksum Err , LA-Lapse in Data , CL-Hdwre Clock Err
BR-Memory Reset , WT-Watchdog T-out , TR-Time Reset , TM-Test Mode
LC-Load Control