

# 4463

**RIPUC Use Only**

Date Application Received: \_\_\_/\_\_\_/\_\_\_  
Date Review Completed: \_\_\_/\_\_\_/\_\_\_  
Date Commission Action: \_\_\_/\_\_\_/\_\_\_  
Date Commission Approved: \_\_\_/\_\_\_/\_\_\_

GIS Certification #:

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PUBLIC UTILITIES COMMISSION

RECEIVED

**RENEWABLE ENERGY RESOURCES ELIGIBILITY FORM**

**The Standard Application Form**

**Required of all Applicants for Certification of Eligibility of Renewable Energy Resources  
(Version 8 – December 5, 2012)**

**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**

**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  
Attn: Luly E. Massaro, Commission Clerk  
89 Jefferson Blvd  
Warwick, RI 02888

In addition to the paper copies, electronic/email submittals are required under Commission regulations. Such electronic submittals should be sent to [RES@puc.ri.gov](mailto:RES@puc.ri.gov).

• 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 [RES@puc.ri.gov](mailto:RES@puc.ri.gov).

SECTION I: Identification Information

1.1 Name of Generation Unit (sufficient for full and unique identification):

Four Hills Farm ~~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)<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
- ☐ 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: Charin Hill, Administrator

1.5 Primary Contact Person address and contact information:

Address: 722 Burpee Rd  
Bristol VT 05443

Phone: 802-349-6918 Fax: 802-453-2928

Email: cowpower@gmail.net

1.6 Backup Contact Person name and title: Brian Hill, Managing Partner

1.7 Backup Contact Person address and contact information:

Address: 722 Burpee Rd  
Bristol VT 05443

Phone: 802-349-6919 Fax: 802-349-6919 453-2928

Email: bhill1195@gmail.com

<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.

- 1.8 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):

Brian Hill, Managing Partner

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

- 1.9 Authorized Representative address and contact information:

Address: 722 Burpee Rd  
Bristol VT 05443

Phone: 802-349-6919 Fax: 802-453-2928

Email: bhill1195@gmail.com

- 1.10 Owner name and title: Re: Four Hills Farm

- 1.11 Owner address and contact information:

Address: 722 Burpee Rd  
Bristol VT 05443

Phone: 802-453-2928 Fax: 802-453-2928

Email: Cowpower@gmail.net

- 1.12 Owner business organization type (check one):

☐ Individual  
☒ Partnership  
☐ Corporation  
☐ Other: \_\_\_\_\_

- 1.13 Operator name and title: Four Hills Farm

- 1.14 Operator address and contact information:

Address: 722 Burpee Rd  
Bristol VT 05443

Phone: 802-453-2928 Fax: 802-453-2928

Email: Cowpower@gmail.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): ~~CEC-10032209 / FERC-10032209~~ NDN 37210
- 2.2 Generation Unit Nameplate Capacity: 450 kWh MW (7)
- 2.3 Maximum Demonstrated Capacity: 450 kWh 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: 8/1/12 at the site. 9/10/12 8/7/12

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: 7026 Plank Rd  
Bristol VT 05443

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

- A. Universal Transverse Mercator Coordinates: 651678.063839036 x -  
-73.10365 44.741181 4889302.119947157 y
- B. Longitude/Latitude: 44.741181 -73.10365

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:

11-7-13

(Title)



**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 Brian Hill, 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 Four Hills Farm,  
the Owner or Operator of the Generation Unit named in section 1.1 of the Application.

SIGNATURE: \_\_\_\_\_

Brian Hill

DATE: \_\_\_\_\_

11-7-13

State: \_\_\_\_\_

County: \_\_\_\_\_

(TO BE COMPLETED BY NOTARY) I, Kristi Wood as a  
notary public, certify that I witnessed the signature of the above named Brian Hill,  
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: 11/7/13

SIGNATURE: \_\_\_\_\_

Kristi Wood

DATE: \_\_\_\_\_

11/7/13My commission expires on: 2/10/15

NOTARY SEAL:

**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/utility/info/res.html](http://www.ripuc.org/utility/info/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>5</sup>; agricultural waste, food and vegetative material; energy crops; landfill methane<sup>6</sup> or biogas<sup>7</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>5</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>6</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>7</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: \_\_\_\_\_

*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:

10/26/10

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

State of Vermont Dept. of Environmental Conservation

## *Four Hills Farm*

December 12, 2011

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 2011, Four Hills Farm Partnership (the "Applicant") commenced construction on an anaerobic digester system (the "System") by starting physical work of a significant nature at the System site at Applicant's dairy operation in Bristol, 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. Applicant's System is designed to generate 450kW of renewable electrical energy on a continuous basis. The System will constitute an open-loop biomass facility under Section 45 of the Internal Revenue Code, 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. ←

Certain components of the System, including the digester heating system and gas mixing system equipment, have been designed and constructed by DVO, Inc. [formerly known as GHD, Inc.] ("DVO"), of Chilton, Wisconsin, and delivered to the System site. In addition, DVO is acting as project administrator for construction of the System.

The engine will be provided by Guascor of Spain, and will drive a generator to be provided by Stamford Power Generation of England. Assembly of these components, and their ancillary gas handling and heat recovery systems, is being provided by Martin Machinery of Latham, Missouri.

Applicant will interconnect with local utility Central Vermont Public Service, and will sell the Facility's electrical generation to VEPP Inc. through a purchase power agreement entered under Vermont's statutory feed-in tariff program for renewable energy projects.

### **Certification of the Work Commenced**

As noted, DVO has already designed, constructed and delivered certain components of the System to the System site. DVO anticipates these System components will be installed in February 2012. In addition, Applicant has completed excavation of the digester vessel, and coordinated the construction of the concrete foundation and walls of the digester vessel.

The System is being constructed under a continuous program of construction which has been detailed in an agreed-upon timeline, and the work completed to date represents a significant portion of the total on-site construction. It is currently estimated that the System will be commissioned and generating electricity by June 2012.

We have attached hereto the following required documentation to establish that Applicant has completed physical work of a significant nature on the System in 2011: (i) Detailed construction schedule; (ii) Invoices for work performed; and (iii) Independent engineer's report describing the project and the work commenced.

Brian Hill, hereby verify and affirm under penalties of perjury that the statements made in this letter are true and correct. The undersigned has personal knowledge of the facts recited in this letter.

Four Hills Farm Partnership

By: Brian Hill  
Duly Authorized Agent



December 9, 2011

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, by the end of calendar year 2011, Four Hills Farm Partnership (the "Applicant") commenced construction on an anaerobic digester system (the "System") by starting physical work of a significant nature through a binding contract with DVO, Inc. [formerly known as GHD, Inc.] ("DVO").

#### **Background Information**

DVO, located in Chilton, Wisconsin, has successfully designed and installed its patented two-stage mixed plug-flow digester system across the United States. DVO has installed over 76 of its anaerobic digester systems at 58 farms in 13 states within the United States. When completed, Applicant's System will digest manure from an existing dairy herd, produce biogas, and combust the biogas to generate renewable electrical energy. Applicant's System is designed to generate 450kW of renewable electrical energy on a continuous basis.

Certain components of the System, as described in greater detail below, are being designed, constructed, and installed by DVO pursuant to the contract described below. In addition, DVO is acting as project administrator for construction of Applicant's System, and as such is overseeing all aspects of project implementation. The engine will be provided by Guascor of Spain, specifically designed to run on biogas, and will drive a generator to be provided by Stamford Power Generation of England. Assembly of these components, and their ancillary gas handling and heat recovery systems, is being provided by Martin Machinery of Latham, Missouri. 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 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.

#### **Certification of the Work Commenced**

On September 21, 2010, the Applicant and DVO entered a contract (the "Contract") whereby DVO agreed to provide the following services:

Anaerobic digester engineering, construction and installation of the digester heating system, gas mixing system, and building interior plumbing and electrical work, digester startup, and project administration (see Attachment A).

The Contract expressly provides that damages in the event of breach will not be less than 5% of the total Contract price of \$864,250. To the best of our knowledge, the Contract is enforceable under both Vermont and Wisconsin state law. On December 13, 2010, Applicant paid DVO a deposit of \$185,800 by check dated December 5, 2010.

DVO performed no work on the System prior to signing the Contract, and completed the following work by December 1, 2011:

- Anaerobic digester engineering
- Construction and delivery of the digester heating system and gas mixing system equipment

The work described above occurred both at DVO's facility in Chilton, Wisconsin and at the System's site in Bristol, Vermont, and the property produced will be component parts of the System. All System components described above have been designed, engineered and produced specifically for the Applicant's System. None of the System components described above are part of DVO's existing inventory, nor are such components normally held in inventory by DVO or any other manufacturer.

The System is being constructed under a continuous program of construction which has been detailed in an agreed-upon timeline. It is currently estimated that the System will be commissioned and generating electricity by June 2012.

We have attached hereto the following required documentation to establish that Applicant has completed physical work of a significant nature under a binding contract by the end of calendar year 2011: (i) Contract; (ii) Copies of our invoices to Applicant; (iii) Detailed construction schedule; and (iv) Photographs of the physical work.

I, Stephen W. Donk, hereby verify and affirm under penalties of perjury that the statements made in this letter are true and correct. The undersigned has personal knowledge of the facts recited in this letter.

DVO, Inc.

By: Stephen W. Donk, Pres.  
Duly Authorized Agent





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

October 26, 2010

Brian Hill  
Four Hills Farm  
722 Burpee Road  
Bristol, Vermont 05443

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

Mr. Hill:

The Vermont Agency of Natural Resources, Air Pollution Control Division ("Agency") received a letter from Four Hills Farm located on Burpee Road in the town of Bristol, Vermont. The letter requests approval for the installation and operation of a 500 kilowatt biogas-fired generator set at Four Hills Farm. The Agency requested documentation to ensure adequate stack height, presence of a back-up flare and clean combustion technology. On October 22, 2010 the requested documentation was received from Four Hills Farm. 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) Four Hills Farm shall only install and operate a Guascor Model SFGLD 360 biogas-fired generator set rated at 500 kilowatts. Four Hills Farm shall not install an alternative engine 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) Four Hills Farm 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 in 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

(over)



# STATE OF CONNECTICUT

PUBLIC UTILITIES REGULATORY AUTHORITY  
TEN FRANKLIN SQUARE  
NEW BRITAIN, CT 06051

DOCKET NO. 13-02-19 APPLICATION OF FOUR HILLS FARM, INC. FOR  
QUALIFICATION OF FOUR HILLS FARM AS A CLASS I  
RENEWABLE ENERGY SOURCE

JUNE 13, 2013

## DECISION APPROVING CLASS I CERTIFICATION

On February 28, 2013, the Public Utilities Regulatory Authority (Authority or PURA) received an application from Four Hills Farm, Inc. (Applicant or Company) requesting that the Authority determine that the Four Hills Farm landfill methane gas generation facility (Four Hills or Facility) located in Bristol, Vermont qualifies as a Class I renewable energy source.

The Authority reviewed all of the information in the record and finds that pursuant to §16-1(a)(26) of the General Statutes of Connecticut, the electricity generated by the Applicant's landfill methane gas facility qualifies as a Class I renewable energy source, effective October 1, 2012. The Facility began commercial operation on September 10, 2012, and has a nameplate capacity of 450 kW. The Facility's Independent System Operator of New England's Generation Unit Asset Identification Number, New England Power Pool Generation Information System (NEPOOL-GIS) Identification Number or Other Number is NON37210. Four Hills is a grid-connected generation facility located in Vermont and the Vermont Electric Power Company is the entity with competent jurisdiction that will be responsible for auditing and verification of the facility's generation output. The Authority assigns Four Hills Connecticut Renewable Portfolio Standard Registration No. CT130219.

The Authority's determination in this docket is based on the information submitted by the Applicant. The Authority may reverse its ruling or revoke the Company's registration if any material information provided proves to be false or misleading. The Company is reminded that it is obligated to notify the Authority within 10 days of any changes to any of the information it has provided to the PURA.

## ORDER FOR COMPANY

To comply with the Order below, the Company shall submit one original of the required documentation to the Executive Secretary, Ten Franklin Square, New Britain, CT 06051, and file an electronic version through the Authority's website at [www.ct.gov/pura](http://www.ct.gov/pura). Submissions filed in compliance with the PURA Orders must be identified by all three of the following: Docket Number, Title and Order Number.

1. Each Quarter, the Company shall file with the Authority, by the date indicated in the table below, the Quarterly Generation Report from the NEPOOL-GIS that shows the number of renewable energy credits (RECs) created by the NEPOOL-GIS Administrator based on the Class I activities of the Facility on the Creation Date [as defined in Section 2.1(b) of the NEPOOL GIS Operating Rules, as amended from time to time] for said quarter.

The first report, to include the Class I activity for the fourth quarter of 2012 as well as the first quarter of 2013, is due August 15, 2013, with subsequent due dates as shown below:

<b>Class I Activity Calendar Quarter</b>	<b>GIS REC Creation Date</b>	<b>Report Due Date</b>
1. (Jan 01-Mar 31)	Jul 15	Aug 15
2. (Apr 01-Jun 30)	Oct 15	Nov 15
3. (Jul 01-Sep 30)	Jan 15	Feb 15
4. (Oct 01-Dec 31)	Apr 15	May 15

The Connecticut Department of Energy and Environmental Protection is an Affirmative Action/Equal Opportunity Employer that is committed to requirements of the Americans with Disabilities Act. Any person with a disability who may need information in an alternative format may contact the agency's ADA Coordinator at 860-424-3194 or at [deep.hrmed@ct.gov](mailto:deep.hrmed@ct.gov). Any person with limited proficiency in English, who may need information in another language, may contact the agency's Title VI Coordinator at 860-424-3035 or at [deep.aaoffice@ct.gov](mailto:deep.aaoffice@ct.gov). Any person with a hearing impairment may call the State of Connecticut relay number – 711. Discrimination complaints may be filed with DEEP's Title VI Coordinator. Requests for accommodations must be made at least two weeks prior to any agency hearing, program or event.

**DOCKET NO. 13-02-19 APPLICATION OF FOUR HILLS FARM, INC. FOR  
QUALIFICATION OF FOUR HILLS FARM AS A CLASS I  
RENEWABLE ENERGY SOOURCE**

This Decision is adopted by the following Directors:

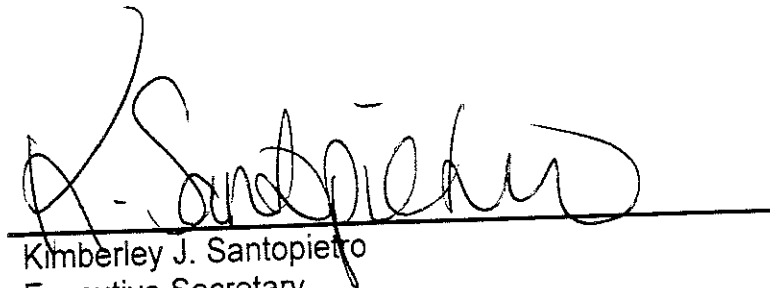
John W. Betkoski, III

Arthur H. House

Michael A. Caron

**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  
Public Utilities Regulatory Authority

6/17/13  
Date



**FOUR HILLS FARM  
ANAEROBIC DIGESTER  
COMMISSIONING REPORT**

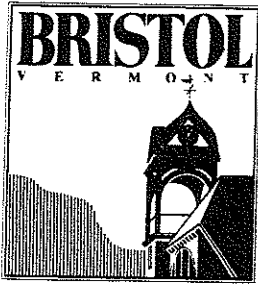
August 7, 2012

DVO, Inc. (formerly GHD, Inc.) certifies that the anaerobic digester system at Four Hills Farm, 722 Burpee Road, Bristol, 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 a 450 kW Guascor gen-set installed by Martin Machinery.

DVO, Inc.

Bradd Seegers  
Project Administrator



Town of Bristol

Holley Hall

P.O. Box 249

Bristol, VT 05443

(802) 453-2410 • Fax 453-5188

May 10, 2012

Chanin Hill  
Four Hills Farm  
722 Burpee Road  
Bristol, VT 05443

**RE: 2 NEW 911 ADDRESSES**

Dear Chanin,

Following are the 2 new **911 addresses** that have been assigned for the farm:

**845 BURPEE ROAD (farm building complex)**

**7026 PLANK ROAD (manure digester building)**

As we discussed earlier, it is extremely important that the 911 numbers be placed in highly visible places where they can easily be seen by responders in the event of an emergency at the farm.

I have notified the Post Office, even though you do not anticipate delivery at either of the above addresses, the Vermont E-911 Board and Waitsfield Champlain Valley Telecom of the above addresses.

If you have any questions, please feel free to call.

Take care.

Sincerely,

Claire Scribner  
Bristol E-911 Coordinator