

STATE OF NEW HAMPSHIRE

Inter-Department Communication

DATE: March 24, 2014

AT (OFFICE): NHPUC

FROM: Barbara Bernstein *BB*
Sustainable Energy Analyst

NHPUC 25MAR14 07:57

SUBJECT: DE 14-045, Kane's Cow Power, Application for Certification as a
REC Eligible Facility
Staff Recommends that Eligibility be Granted

TO: Chairman Amy L. Ignatius
Commissioner Robert R. Scott
Commissioner Martin P. Honigberg
Debra A. Howland, Executive Director and Secretary

CC: Jack K. Ruderman, Director of the Sustainable Energy Division *JR*
David K. Wiesner, Staff Attorney

Summary

On February 12, 2014, the Commission received an application filed by Brennan Punderson, PLLC on behalf of Kane's Cow Power, LLC (Kane's Cow Power) requesting Class I certification for its 0.225 megawatt (MW) animal waste-derived, methane-fueled electrical generating anaerobic digester (AD) pursuant to RSA 362-F:4, New Hampshire's Renewable Portfolio Standard law. Staff has reviewed the Kane's Cow Power certification request for the AD and has determined that the project meets the eligibility requirements pursuant to RSA 362-F:4, I(e), as a Class I facility and complies with the New Hampshire Code of Administrative Rules Puc 2500. Staff recommends Commission approval for the Kane's Cow Power AD as a Class I renewable energy source, effective as of February 12, 2014.

Analysis

To qualify as a facility eligible to produce RECs, Puc 2505.02 (b) requires the source to provide the following:

- 1) *The name and address of the applicant:* The applicant's name and address is Kane's Cow Power, LLC, 5893 VT Route 105, Enosburg, VT 05450.
- 2) *The name and location of the facility:* The Kane's Cow Power AD is located at the address listed in 1) above.
- 3) *The ISO-New England asset identification number (if available).* An asset identification number was not provided.

- 4) *The GIS facility code if available.* The NEPOOL-GIS facility code for the Kane's Cow Power AD has been verified as NON 33676.
- 5) *A description of the facility including fuel type, gross nameplate generation capacity, the initial commercial operation date, and the date it began operation, if different.* Kane's Cow Power operates a farm-methane electrical generating facility which uses methane gas derived principally from processed cow manure and secondarily from other farm-based feedstocks to fuel a biogas generator. The manure is processed in an on-site methane digester, and the methane gas is piped directly to the generator. The gross nameplate generation capacity is 0.225 MW. The initial commercial operation date was November 2, 2011.
- 6) *(N/A – pertains to biomass sources).*
- 7) *All other necessary regulatory approvals, including any reviews, approvals or permits granted by the department.* The following regulatory approvals, permits and study results were provided with the application:
- a. State of Vermont Public Service Board, Certificate of Public Good Issued Pursuant to 30 V.S.A. Section 248, Docket No. 7713, dated May 12, 2011;
 - b. Notification from Gen-Tec, LLC (Gen-tec) certifying that the Digital Electronic Control/Switchgear and the Synchronous Electric Power Generator utilized by the Kane's Cow Power project are equipped and will operate based on the following standards:

i.	IEEE 1547-2003 and associated IEEE and ANSI standards concerning electrical equipment requirements, as applicable to equipment supplied by Gen-tec.		
ii.	NFPA 70 (2002) National Electrical Code applicable to Gen-tec supplied equipment.		
iii.	IEEE – C37.90.1 (1989)	iv.	IEEE – C37.90.2 (1995)
v.	IEEE – C62.41.2 (2002)	vi.	IEEE – C62.45 (1992)
vii.	ANSI – C84.1 (1995)	viii.	IEEE – 519 (1992)
ix.	NEMA MG-1 (1998), as applicable to equipment supplied by Gen-tec.		
- 8) *Proof that the applicant either has an approved interconnection study on file with the commission, is a party to a currently effective interconnection agreement, or is otherwise not required to undertake an interconnection study.* A copy of the Generation Interconnection Agreement between Central Vermont Public Service Corp. (CVPS) and Kane's Cow Power, LLC effective July 13, 2011 was provided.
- 9) *(N/A – pertains to biomass sources).*
- 10) *A description of how the generation facility is connected to the distribution utility.* The Kane's Cow Power AD generation project is interconnected with the CVPS distribution system.
- 11) *A statement as to whether the facility has been certified under another non-federal jurisdiction's renewable portfolio standard and proof thereof.* The GIS database provided verification that the Kane's Cow Power AD generation project is certified as

a Class I Renewable Energy Source as defined in Connecticut General Statutes §16-1(a)(26).

- 12) *A statement as to whether the facility's output has been verified by ISO New England.* The output from the Kane's Cow Power AD facility is not verified by ISO-New England. The output is verified by Vermont Electric Power Producers (VEPP), a certified third party meter reader.
- 13) *A description of how the facility's output is reported to the GIS if not verified by ISO-New England.* The electrical output from the Kane's Cow Power AD generation project is reported to the GIS by VEPP, a certified third party meter reader. The generation facility is not a customer-sited source because its electrical output does not displace any consumption of the end-use customer.
- 14) *An affidavit by the owner attesting to the accuracy of the contents of the application.* An affidavit signed by Nancy Kane, authorized agent of Kane's Cow Power, was provided with the application.
- 15) *The name and telephone number of the facility's operator, if different from the owner.* The facility owner and operator are one and the same.
- 16) *Such other information as the applicant wishes to provide to assist in classification of the generating facility.* Brennan Punderson, PLLC provided all the information needed to complete the review of the Kane's Cow Power application.

Recommendation

Staff has reviewed the Kane's Cow Power application for Class I certification of its AD generation project and can affirm it is complete pursuant to New Hampshire Code of Administrative Rules Puc 2500. Staff recommends that the Commission certify the Kane's Cow Power AD generation project as a Class I renewable energy source, effective as of February 12, 2014.

SERVICE LIST - EMAIL ADDRESSES - DOCKET RELATED

Pursuant to N.H. Admin Rule Puc 203.11 (a) (1): Serve an electronic copy on each person identified on the service list.

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FILING INSTRUCTIONS:

- a) Pursuant to N.H. Admin Rule Puc 203.02 (a), with the exception of Discovery, file 7 copies, as well as an electronic copy, of all documents including cover letter with:**

DEBRA A HOWLAND
EXECUTIVE DIRECTOR
NHPUC
21 S. FRUIT ST, SUITE 10
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- b) Serve an electronic copy with each person identified on the Commission's service list and with the Office of Consumer Advocate.**
- c) Serve a written copy on each person on the service list not able to receive electronic mail.**