Application for Certification as an Eligible Energy Resource Under the Delaware Renewable Energy Portfolio Standard

1. Name of Facility Bowser Solar

2. Facility Address 31649 Exeter Way Lewes, DE 19958

Is the facility located within the PJM control area? ☒ Yes ☐ No
If No, does the Facility have import capabilities? ☐ Yes ☐ No

3. Name of Owner Jack Bowser

Mailing Address same as above

Phone (410) 992-4440 Fax

Email jmbowser41@gmail.com

4. Name of Operator SEE OWNER

Mailing Address

Phone Fax

Email

5. Name of Contact Person

Clean Energy USA, LLC (Lyn Mox)

Mailing Address

20184 Phillips Street Rehoboth Beach, DE 19971

Phone (302) 227-1337 Fax (302) 727-5047

Email robin@ceusa.com

6. Name of REC/SREC Owner SEE OWNER

Mailing Address

Phone _____ Fax _____

Email _____

7. List all PJM-EIS GATS State Certification Numbers assigned to this facility:

N/A

8. Operational Characteristics:

Fuel Types Used (check all that apply):

☐ Gas combustion from the anaerobic digestion of organic material

☐ Geothermal

☐ Ocean, wave or tidal actions, currents, or thermal differences

☐ Qualified Biomass[i]

☐ Qualified Fuel Cells[ii]

☐ Qualified Hydroelectric[iii]

☐ Qualified Methane Gas captured from a landfill gas recovery system[iv]

☒ Solar

☐ Wind

If co-firing, provide the formula on file with PJM Environmental Information Services, Inc. (PJM-EIS) N/A

Rated Capacity (in megawatts) .0055

If multiple fuel types are utilized, attach the formula for computing the proportion of output per fuel type by megawatts per hour generated.

Facility **Final Approved Interconnection Date** 10/06/2015

If co-firing with fossil fuels, co-fire start date N/A

If co-firing with fossil fuels, attach the allocation formula on file with PJM.

9. Is the Applicant's facility customer-sited generation[v]?

   ☒ Yes ☐ No

   Is the Applicant's facility a community owned generating facility[vi]?

   ☐ Yes ☒ No

   Can the output from the customer-sited generation be appropriately metered?

   ☒ Yes ☐ No

10. If the Applicant's installation is solar or wind sited in Delaware, is a minimum of 50% of the cost of the renewable energy equipment, inclusive of mounting components, manufactured in Delaware?

☐ Yes* ☒ No

Company Name of Installer

Signature of Company Representative

Address

Print Name of Co. Representative

Address

***If Yes, please attach the following documentation:**

- A copy of the supplier's invoice showing Delaware manufactured equipment with this facility identified
  - If the supplier's invoice shows only a coded Purchase Order (PO) number, a copy of the company's matching PO that includes the address where the materials were used/installed, must also be supplied
  - If using a master invoice, a record of the draws against the purchased quantity, on the master invoice, must show the address of each use and the quantity of material used

11. If the Applicant's installation is solar or wind sited in Delaware:

    a. Was the facility physically constructed or installed with a workforce that consists of at least 75% Delaware residents?

    ☒ Yes* ☐ No

    b. Does the installing company employ, in total, a minimum of 75% workers who are Delaware residents?

    ☐ Yes* ☐ No

Clean Energy USA, LLC

Company Name of Installer

Robin Heath

Signature of Company Representative

20184 Phillips Street Rehoboth Beach, DE 19971

Address

Robin Heath

Print Name of Co. Representative

Address

***If Yes, please attach supporting documentation (see pages 7-8 for details). Please note, in order to qualify for the Labor/Workforce Bonus, at least one of the options (a. or b.) must be met.**

I, Robin Heath (print name) hereby certify under penalty of perjury that

1. I have made reasonable inquiry, and the information contained in this Application is true and correct to the best of my knowledge, information and belief.

2. I am authorized to submit and execute this Application and to bind myself and/or my company to the representations contained herein.

3. I /my company agree(s) to comply with and be subject to the jurisdiction of the Public Service Commission of the State of Delaware for any matters arising out of my submission of this Application or the granting of the Application.

4. In the event that any of the information contained in this Application changes pending the consideration of this Application or after the Application is granted, I/my company will amend the Application to provide the Commission with such changed information.

5. I acknowledge that if any of the representations made in this Application or in any amendment thereto are found to be untrue when made, I/the company may be subject to sanctions, including but not limited to monetary fines and/or the revocation of any Certificate granted as a result of the representations made in this Application.

Signature: Robin Heath

Date: 10/06/2015

Required Documentation:

- If the facility is customer-sited generation, attach a copy of the utility's Final Approved Interconnection Agreement

- If the facility is a community-owned energy generating facility, attach a list of contact information (names, address, phone number, fax, and email) of all owners or customers who are sharing the output of the generator.

- One copy of U.S. Department of Energy, Energy Information Administration Form EIA-860, if rated capacity is >1.0 MW

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[i] "Qualified Biomass" means electricity generated from the combustion of biomass that has been cultivated in a sustainable manner as determined by Delaware Department of Natural Resources and Environmental Control (DNREC), and is not combusted to produce energy in a waste to energy facility or in an incinerator.

[ii] "Qualified Fuel Cells" means electricity generated by a fuel cell powered by Renewable Fuels, as that term is defined in Section 1.0 of the Rules and Procedures to Implement the Renewable Energy Portfolio Standard, Delaware Public Service Commission Regulation Docket No. 56.

[iii] "Qualified Hydroelectric" means electricity generated by a hydroelectric facility that has a maximum design capacity of 30 megawatts or less from all generating units combined that meet appropriate environmental standards as determined by DNREC.

[iv] "Qualified Methane Gas" means electricity generated by the combustion of methane gas captured from a landfill gas recovery system; provided, however, that:

1. Increased production of landfill gas from production facilities in operation prior to January 1, 2004 demonstrates a net reduction in total air emissions compared to flaring and leakage;
2. Increased utilization of landfill gas at electric generating facilities in operation prior to January 1, 2004 (i) is used to offset the consumption of coal, oil, or natural gas at those facilities, (ii) does not result in a reduction in the percentage of landfill gas in the facility's average annual fuel mix when calculated using fuel mix measurements for 12 out of any continuous 15 month period during which the electricity is generated, and (iii) causes no net increase in air emissions from the facility; and
3. Facilities installed on or after January 1, 2004 meet or exceed 2004 Federal and State air emission standards, or the Federal and State air emission standards in place on the day the facilities are first put into operation, whichever is higher.

[v] "Customer-sited Generation" means a generating unit that is interconnected on the end use customer's 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.

[vi] "Community-owned Energy Generating Facility" means a renewable energy generating facility that has multiple owners or customers who share the output of the generator, which may be located either as a stand-alone facility or behind the meter of a participating owner or customer. The facility shall be interconnected to the distribution system and operated in parallel with an electric distribution company's transmission and distribution facilities.

Documentation Required for Delaware Labor/Workforce Bonus

11. If the Applicant's installation is solar or wind sited in Delaware:

    a. Was the facility physically constructed or installed with a workforce that consists of at least 75% Delaware residents?

If you answered yes to "a." above, complete the following as evidence.

The following individuals (list every employee) were employed by

Clean Energy USA, LLC

Installation Company Name

as direct labor (physical construction and installation) for this facility: (Attach additional sheets if necessary)

Please complete the following information for all individuals listed above:

Name	Home Address (As per Tax Withholding)	Social Security Number (Last 4 digits only)
Mike Griffin	32302 Turnstone Court Millsboro, DE 19966	88
Craig Billings	32247 Pelican Court Millsboro, DE 19966	09
James Jenkins	24159 Wood Branch Road Georgetown, DE 19947	62
Justin Arnosky	300 Holly Drive Dagsboro, DE 19939	96

Total Delaware Resident Employees: 4 **Total Number of Employees:** 4

% of Delaware Residents (Delaware Residents Divided by Total Employees): _____

Delaware Electric Cooperative

"Owned By Those We Serve"

Generator Interconnection Application

(For Use with Generators 25 kW or Less)

For **applications received on and after September 1, 2010** applicant (Generator Owner) makes application to Delaware Electric Co-op to install and operate a generating facility of 25kW or less interconnected with the Delaware Electric Co-op Power utility system.

Section 1: Applicant Information Is the following system: Leased [ ] or Member Owned [x]

Name: Jack Bowser

Mailing Address: 31649 Exeter Way

City: Lewes State: DE Zip Code: 19958

Facility Location (if different from above): Same as above

Telephone (Daytime): 410.992.4440 (Evening): 410.992.4440

Delaware Electric Account No.: 12696800 Rate Code: _____

Section 2: Generator Technical Information

Is Generator powered from a Renewable Energy Source: Yes [x] No [ ]

Type of Qualifying Energy Source (if applicable): Solar [x] Wind [ ] Other _____

GENERATOR (or solar collector) Manufacturer, Model Name & Number: Axitec AC-250M/156-60S

Total Installed Out Power Rating in kW: 5.50

INVERTER Manufacturer, Model Name & Number (if used): Fronius Primo 5.0-1

Rating in kW: 5.00

A manual lockable disconnect device with a visible opening shall be installed within 3 feet of the DEC meter linked to the generating system and accessible at all times by DEC personnel, by and at the cost of the owner.

Section 3: Generator/Equipment Certification

Generating systems that utilize inverter technology must be compliant with *IEEE 1547* and *Underwriters Lab. UL 1741*. Generating systems that use a rotating machine must be compliant with Delaware Electric Co-op's *Technical Requirements For Parallel Operation of Member Owned Generation* document. **By signing below, the Applicant certifies that the installed generating equipment meets the appropriate preceding requirement(s) and can supply documentation that confirms compliance.**

Name (print): Jack Bowser SUSAN BOWSER

Signed (Applicant): Jack M Bowser / Susan Bowser Date: 8-3-15

Section 4. Preliminary Application Approval (DEC)

DEC hereby grants preliminary approval for the installation as described above. Final approval shall be subject to satisfactory completion of application and interconnection equipment meets all applicable regulations.

Approved by: Tom Wright Digitally signed by Tom Wright DN: cn=Tom Wright, o, ou=Delaware Electric Coop, email=twright@decoop.com, c=US Date: 2015.08.06 13:20:01 -04'00' Date: 8/6/15

First State Inspection Agency, Inc.
1001 Mattlind Way
Milford, DE 19963

1-800-468-7338
302-422-3859

James Jenkins
Clean Energy USA
20184 Phillips St.
Rehoboth Beach, DE 19971

CERTIFICATE

Final Inspection Date:	8-31-2013
Application #:	015454
Owner:	Bow, et.
Customer Job #:	
Occupancy:	Solar Array
Location:	31649 Exeter Way, Coastal Club, Lot 13, Lewes, Sussex Co., DE

This certifies that the installation of electrical equipment listed on referenced application has been approved as meeting the requirements of the National Electric Code, utility, municipalities and Agency rules. Any modification, addition or alteration of the electrical system, after the date of final inspection, will require a new application for inspections and certifications.

Chief Electrical Inspector

F.S. CERT

FSIA-4

Section 5: Installation Details

Generating System will be installed by: Owner [ ] State Licensed Electrician [X]

Installing Electrician: James Jenkins Firm: Jenkins Electric License No.: 4820

Mailing Address: 20184 Phillips Street

City: Rehoboth Beach State: DE Zip Code: 19971

Telephone: Area Code: 302 Number: 388-9440

Installation Date: 2015

Supply certification that the generating system has been installed and inspected in compliance with the local Building/Electrical code of the municipality of _____.

Signed (Inspector): _____ Date: _____
(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)

Section 6: Applicant Signature

I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct. I also agree to install a Warning Label provided on or near my service meter location. The system can only be activated upon FINAL Approval by DEC.

Name (print): Jack Bowser Susan S Bowser

Signed (Applicant): (X) Jack Bowser / Susan S Bowser Date: 8-3-15

Send the completed application to: Delaware Electric, Attn. Tom Wright, P.O. Box 600, Greenwood, Delaware 19950. Email twright@decoop.com, Phone: (302) 349 – 3130, Fax (302) 349-5891.

Sections Below for Delaware Electric Use Only

Section 7: FINAL Approval or Non-Approval

Name: _____ Account No. _____

Inspected By: _____ Date: _____

Delaware Electric Co-op: [X] Has Approved [ ] Has Not Approved this Interconnection Application.

Signature: Tom Wright Digitally signed by Tom Wright DN: cn=Tom Wright, o, ou=Delaware Electric Coop, email=twright@decoop.com, c=US Date: 2015.10.06 09:54:20 -04'00' Date: 10/6/15

Reason of Not Approving: _____

Approval to connect to the Cooperative system indicates only that the minimum requirements for a safe proper interconnection have been satisfied. Such approval does not imply that the Generator Owner's facility meets all federal, state and local standards or regulations.