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

1. Name of Facility
   Smith, Gary Residence - G Smith

2. Facility Address
   207 Heronwood Ln.
   Milton, DE 19968

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
   Gary Smith
   Mailing Address
   204 Heronwood Ln.
   Milton, DE 19968

Phone 302-645-9476 Fax _____

Email frogtoons@comcast.net

4. Name of Operator
   same as owner
   Mailing Address
   _____
   _____

Phone _____ Fax _____

Email _____

5. Name of Contact Person
Allyson Browne, SRECTrade, Inc.
Mailing Address
201 California Street, Suite 630
San Francisco, CA 94111

Phone 877-466-4606 Fax 732-453-0065

Email applications@srectrade.com

6. Name of REC/SREC Owner
same as owner
Mailing Address
_____
_____

Phone_____ Fax _____

Email_____

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

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)__0.0244_____

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**____9/28/15_____

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

I, Allyson Browne (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: Allyson Browne

Date: 12/03/2015

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.

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: Gary Smith

Mailing Address: 207 Heronwood Ln

City: Milton State: DE Zip Code: 19968

Facility Location (if different from above): _____

Telephone (Daytime): 302-242-3384 (Evening): _____

Delaware Electric Account No.: 8113100 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: LG Solar LG305N1C-B3

80 Total solar modules Total Installed Out Power Rating in kW: 24.4

INVERTER Manufacturer, Model Name & Number (if used): 2 x Fronius PRIMO 8.2 and 1 Fronius PRIMO 6.0

Rating in kW: 22.4

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): Gary Smith

Signed (Applicant): _____ Date: 8/12/15

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: 2015.08.20 09:30:53 -04'00' Date: 8/20/15

Section 5: Installation Details

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

Installing Electrician: James Rodrigue Firm: Alutech United Inc License No.: T1-0005688

Mailing Address: 117 Dixon St

City: Selbyville State: DE Zip Code: 19975

Telephone: Area Code: 800 Number: 233-1144

Installation Date: _____

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): Gary Smith

Signed (Applicant): _____ Date: 9/21/2015

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, Date: 2015.09.28 13:22:08 -04'00' Date: 9/28/15

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.

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

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

Alutech United, Inc.
1537 Northgate Blvd.
Sarasota, FL 34234

CERTIFICATE

Final Inspection Date:	9/21/15
Application #:	016126
Owner:	Gary Smith
Customer Job #:	
Occupancy:	Solar 24.4 KW Array
Location:	207 Heronwood Lane, Milton, Sussex, 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

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

Alutech United, Inc.
Company Name of Installer

Signature of Company Representative

117 Dixon Street
Address

Derek Dykes
Print Name of Co. Representative

Selbyville, DE 19975
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

Alutech United, Inc.
Company Name of Installer

Signature of Company Representative

117 Dixon Street
Address

Derek Dykes
Print Name of Co. Representative

Selbyville, DE 19975
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.**

Documentation Required for Delaware Labor/Workforce Bonus

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

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

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

Alntech United, Inc. DBA Green Street Solar
Installation Company Name

employed the following individuals (list EVERY employee on the payroll during the period from project start date until project completion date). Projects are considered complete upon final interconnection approval to operate. (Attach additional sheets if necessary)

Project Start Date: 9/8/15 Project Complete Date: 9/28/15

Employee Full Name	Home Address (As per Tax Withholding)	Social Security Number (Last 4 digits Only)
* See Attachment		

Total Delaware Resident Employees: 19 **Total Number of Employees:** 25

% of Delaware Residents (Delaware Residents Divided by Total Employees): 76%

	NAME	STREET ADDRESS	CITY	ST	ZIP	SS#
1	Jason Roth	32494 Whaleys Way	Laurel	DE	19956	90
2	Jason Killen	32716 Fisher Place	Frankford	DE	19945	18
3	Brian Reed	27849 Avalon Drive	Georgetown	DE	19947	00
4	George Carey	36966 Deer Drive	Selbyville	DE	19975	69
5	Dustin Brittingham	2 Leah Street	Georgetown	DE	19947	01
6	George Pfaller	24501 Cedar Lane	Georgetown	DE	19947	48
7	W. Jeffrey Timmons	133 Kingsbridge Rd.	Rehoboth Beach	DE	19971	52
8	James Webb	629 Gun and Rod Club Road	Harrington	DE	19952	63
9	Donnie Baker	35359 Danny Drive	Laurel	DE	19956	60
10	Adam Ash	34683 Burbage Rd.	Frankford	DE	19945	24
11	Derek Dykes	34041 South Shell Bridge Road	Laurel	DE	19956	74
12	Aaron Woods	713 Hurley Park Drive	Seaford	DE	19973	25
13	Richard Jalot	18540 Sand Hill Rd.	Georgetown	DE	19947	22
14	Daniel Fleetwood	36157 Millers Neck Rd.	Frankford	DE	19945	68
15	Antione Johnson	27542 Holly Hock Lane	Seaford	DE	19973	29
16	David Linehan	26393 Sea Mist Ct.	Millsboro	DE	19966	85
17	Michael Haymond	12640 Beach Hwy.	Greenwood	DE	19950	01
18	John Basch	104 Lakeview Drive	Salisbury	MD	21801	96
19	Russell Pfaller	7167 Chatham Manor Way	Pittsville	MD	21850	98
20	Lisa Bloom	403 143rd Street, Unit 5	Ocean City	MD	21842	74
21	Mark Caldwell	1004 Philadelphia Avenue, Unit 5	Ocean City	MD	21842	20
22	Richie Wright	5637 Caledonia Drive	Salisbury	MD	21801	40
23	Jose Cordoba	Lazy Lagoon Lot 41	Frankford	DE	19945	42
24	Erik Diaz	105 Caroline St. #6	Ocean City	MD	21842	15
25	Cody Perry	112 East Tingle Drive	Selbyville	DE	19975	75