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

1. Name of Generation Unit[1]
   Dougherty Residence

2. Generation Unit Address
   126 Devalinder Dr.
   Newark, DE 19702

   2a. Is the Generation Unit located within the PJM control area?
   ☑ Yes ☐ No

   2b. If No, does the Generation Unit have capabilities to be imported into PJM?[2][3]
   ☐ Yes ☐ No

   2b1. Include NERC Tags (if Applicable; Other documentation may be required)_____

3. Name of Owner
   Loretta Dougherty
   Mailing Address
   126 Devalinder Dr.
   Newark, DE 19702

   Phone 302-838-7151 Email loretta.d.d@gmail.com

   ☐ Same as Contact Person

[1] 26 Del. C. §352(11).
[2] 26 Del. C. §352 (6).
[3] Documentation will be required to substantiate import capabilities into PJM.

4. Name of Contact Person

Loretta Dougherty

Mailing Address

126 Devalinder Dr.

Newark, DE 19702

Phone 302-838-7151 Email loretta.d.d@gmail.com

5. Operational Characteristics: [4]

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

☐ Biomass

☐ Fuel Cells

☐ Hydroelectric

☐ Methane Gas captured from a landfill gas recovery system

☑ Solar

☐ Wind

*If co-firing with fossil fuels, attach the allocation formula on file with PJM; co-fire start date_____

*If multiple fuel types are utilized, attach the formula for computing the portion of output per fuel type

5a. **Rated Capacity (in MW, not including battery storage)**[5] 0.00441

5b. **Generation Unit's Final Approved Interconnection Date** 8/19/19

[4] 26 Del. C. §352(6).

[5] Behind the meter Solar capacity should be entered in MW DC.

6. Is the Applicant's Generation Unit customer-sited generation? [6]

☑ Yes ☐ No

6a. Is the meter that measures generation a revenue grade meter?

☐ Yes ☐ No

7. Is the Applicant's Generation Unit a community owned generating facility? [7]

☐ Yes ☑ No

8. Does the Applicant's Generation Unit have battery storage?

☐ Yes ☑ No

If Yes, please answer a.-c.

8a. Can the Generation Unit's renewable energy generation be metered prior to any battery storage?

☐ Yes ☐ No

8b. What is the battery energy capacity in kWh?_____

8c. What is the battery charge/discharge rating in kW AC?_____

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

9a. Was the Generation Unit physically constructed or installed with a workforce that consists of at least 75% Delaware residents?

☑ Yes[8] ☐ No

9b. Does the installing company employ, in total, a minimum of 75% workers who are Delaware residents?

☐ Yes[8] ☐ No

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[6] 26 Del. C. §352(4) - "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.

[7] 26 Del. C. §1001(5) - "Community-owned Energy Generating Generation Unit" means a renewable energy generating Generation Unit that has multiple owners or customers who share the output of the generator, which may be located either as a stand-alone Generation Unit or behind the meter of a participating owner or customer. The Generation Unit shall be interconnected to the distribution system and operated in parallel with an electric distribution company's transmission and distribution facilities.

[8] If Yes, please attach supporting documentation (see page 6 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.

KW Solar Solutions
Company Name of Installer

Dale E. Wolf
Signature of Company Representative

2444 Denny Rd
Bear, DE 19701
Address

Dale E. Wolf
Print Name of Company Representative

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 Company 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

I, Dale E. Wolf (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: Dale E. Wolf

Date: 8/19/19

Company Name (if applicable): KW Solar Solutions

Position Title (if applicable): President

Required Documentation:

- If the Generation Unit is customer-sited generation, attach a copy of the utility's **Final Approved Interconnection Agreement.** The Agreement must include Generation Unit Address, Nameplate Capacity, and Interconnection Date.

- A copy of U.S. Department of Energy, Energy Information Administration Form EIA-860, if rated capacity **is >1.0 MW** and a copy of the **Final Approved Interconnection Agreement** including Generation Unit Address, Nameplate Capacity, and Interconnection Date.

Documentation Required for Delaware Labor/Workforce Bonus

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

    a. Was the Generation Unit physically constructed or installed with a workforce that consists of at least 75% Delaware residents?
    b. Does the installing company employ, in total, a minimum of 75% workers who are Delaware residents?

If you answered yes to **"a"**, list all employees used as direct labor (physical construction and installation) for this Generation Unit: (Attach additional sheets if necessary)

If you answered yes to **"b"**, list EVERY employee on the payroll during the period from project start date until project completion date. Projects are considerate complete upon final interconnection approval to operate: (Attach additional sheets if necessary)

KW Solar Solutions

Installation Company Name

Project Start Date: 7-20-19 **Project Complete Date:** 7-30-19

Employee Full Name	Home Address City, State Only (As per Tax Withholding)	Social Security Number (Last 2 digits Only)
Dale Wolf	Elkton, MD	96
Rob McGinty	Middletown, DE	47
Brian Lankford	Newark, DE	31
Bob Myers	Newark, DE	51

Total Delaware Resident Employees: 3 **Total Number of Employees:** 4

% of Delaware Residents (Delaware Residents Divided by Total Employees): 75%

A PHI Company

PART 2

DELAWARE INTERCONNECTION APPLICATION & AGREEMENT

With Terms and Conditions for Interconnection
(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)

(Final Agreement – must be completed after installation and prior to interconnection)

Certificate of Completion[11]

INTERCONNECTION CUSTOMER CONTACT INFORMATION

Customer Name: Loretta Dougherty

Mailing Address: 126 Devalinder DR

City: Newark State: DE Zip Code: 19702

Telephone (Daytime): (302) 838-7151 (Evening): _____

Fax Number: _____ E-Mail Address: loretta.d.d@gmail.com

FACILITY INFORMATION

Facility Address: 126 Devalinder DR

City: NEWARK State: DE Zip Code: 19702

DPL Account #: 50010398530 Meter #: 1ND040506496

Energy Source: Solar PV Prime Mover: Photovoltaics

Inverter Type: Forced Commutated ☐ Line Commutated ☒

Number of Inverters: 1

Inverter Manufacturer: SolarEdge Technologies Ltd. Model Number(s) of Inverter: SE3800H-US [240V]

Rating

DC Generator Total[12] Nameplate Rating: 4.41 (kW),
AC Inverter Total[13] Rating 3.747 (kW),
AC System Design Total Capacity[14]: 4.37 (kW) ____ (kVA)

Generator (or PV Panel) Manufacturer, Model #[15]: Q.Peak-BLK G5-1 315

[11] Information entered here on Certificate of Completion (Part 2) must match part 1
[12] Sum of all generators or PV Panels
[13] Sum of all inverters
[14] This will be your system design capacity based upon your unique system variables.
[15] If more than one type, please list all manufactures and model numbers.

EQUIPMENT INSTALLATION CONTRACTOR Owner (Customer) Installed: ☐ Yes ☒ No

Contractor Name: KW Solar Solutions

Mailing Address: 94 Childs RD

City: Elkton State: MD Zip Code: 21921

Telephone (Daytime): (302) 838-8400 (Evening): _____

Fax Number: (302) 261-6671 E-Mail Address: jackie@kwsolar.net

FINAL ELECTRIC INSPECTION AND INTERCONNECTION CUSTOMER SIGNATURE

The Small Generator Facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector's form indicating final approval is attached. The Interconnection Customer acknowledges that it shall not operate the Small Generator Facility until receipt of the final acceptance and approval by the EDC as provided below.

Signed: Loretta Dougherty 08/06/2019 Date 08/06/2019

(Signature of interconnection customer)

Printed Name: Loretta Dougherty

Check if copy of signed electric inspection form is attached ☒

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ACCEPTANCE AND FINAL APPROVAL FOR INTERCONNECTION ***(for EDC use only)***

The interconnection agreement is approved and the Small Generator Facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by EDC:

Electric Distribution Company waives Witness Test? *(Initial)* Yes (CP) No (_____)
If not waived, date of successful Witness Test: _____ Passed: *(Initial)* (_____)

EDC Signature: CHRIS PYLES Digitally signed by CHRIS PYLES DN: cn=CHRIS PYLES, o, ou, email=CHRISTOPHER.PYLES@EXELON.COM, c=US Date: 2019.08.19 08:16:07 -04'00' Date: 08/19/2019

Printed Name: CHRIS PYLES Title: ASSOC ACCT REP

AMERICAN INSPECTION AGENCY, INC.

Approval is issued after completion of visual / final inspection in accordance with the National Electric Code (NFPA 70) applicable governmental, utility, and/or any state or local amendments there to.

CERTIFICATE OF INSPECTION

Date:	August 2, 2019
Owner:	Loretta Dougherty
Occupant:	Dwelling
Location:	126 Devalinder Drive, Newark, DE
Type of Occupancy:	Single Family
Installed By:	KW Solar Solutions
Equipment:	4.41 KW Solar Associated Electric

This certificate applies to the electrical wiring to the electrical equipment listed above and/or on application along with the installation inspected as of the above noted date based on visual inspection. Should the electrical system to which this certificate applies be altered or changed in anyway, including but not limited to the introduction of additional electrical equipment and/or the replacement of the components installed as of the above noted date, this certificate shall be immediately null and void. This certificate applies only to the use, occupancy and ownership as indicated herein. Upon a change in the use, occupancy or ownership of the property indicated above, the certificate shall be immediately null and void. No warranty is expressed or implied as to the mechanical safety. This certificate shall be valid for a period of one year from the above noted date.