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

1. Name of Facility
   1993376

2. Facility Address
   20 Petunia Road
   Greenwood, DE 19950

   Is the facility located within the PJM control area? ☒ **Yes** ☐ **No**
   If No, does the Facility have import capabilities[1]? ☐ **Yes** ☐ **No**

3. Name of Owner
   Mound SolarPartnership XII, LLC
   Mailing Address
   6611 South Las Vegas Blvd, Las Vegas NV 89119

   Phone (702) 680-6644 Fax _____

   Email incentives.SREC@tesla.com

4. Name of Operator
   Tesla Energy Operations, Inc.
   Mailing Address
   6611 Las Vegas Blvd S. Ste 200
   Las Vegas, NV 89119

   Phone (702) 680-6644 Fax _____

   Email incentives.SREC@tesla.com

[1] Documentation will be required to substantiate import capabilities into PJM

5. Name of Contact Person
Carly Hamilton

Mailing Address
6611 Las Vegas Blvd S. Ste 200
Las Vegas, NV 89119

Phone 888.765.2489 Fax _____

Email incentives.SREC@tesla.com

6. Name of REC/SREC Owner
Tesla Energy Operations, Inc.

Mailing Address
6611 Las Vegas Blvd S. Ste 200
Las Vegas NV 89119

Phone (702) 680-6644 Fax _____

Email incentives.SREC@tesla.com

7. List all PJM-EIS GATS State Certification Numbers assigned to this facility:
PA-102855-NSTI-I

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)_____

Rated Capacity (**in megawatts - DC**) 0.0027

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

Facility **Final Approved Interconnection Date** 12/21/2017

If co-firing with fossil fuels, co-fire start date _____

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

Tesla Energy Operations, Inc.
Company Name of Installer

Carly Hamilton
Signature of Company Representative

6611 Las Vegas Blvd S. Ste 200
Address

Carly Hamilton
Print Name of Company Representative

Las Vegas, NV 89119
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

Tesla Energy Operations, Inc.
Company Name of Installer

Carly Hamilton
Signature of Company Representative

6611 Las Vegas Blvd S. Ste 200
Address

Carly Hamilton
Print Name of Company Representative

Las Vegas, NV 89119
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, Carly Hamilton (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: Carly Hamilton

Date: 5/30/2018

**Required Documentation:**

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

- 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

_____

**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 City, State only (As per Tax Withholding) | Social Security Number (Last 2 digits only) |
|---|---|---|
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**Total Delaware Resident Employees:_____ Total Number of Employees:_____**

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

## 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:

_____
**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:_____ Project Complete Date:_____

| Employee Full Name | Home Address City, State Only (As per Tax Withholding) | Social Security Number (Last 2 digits Only) |
|---|---|---|
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| | | |

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

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

# Delaware Electric Cooperative
# Generator Interconnection Application – Short Form
(For Use with Generators less than 100 kW DC)

An applicant (Generator Owner) makes application to Delaware Electric Cooperative to install and operate a generating facility less than 100 kW DC and interconnected with the Delaware Electric Cooperative utility system.

**Section 1, Applicant Information Directly Interconnected to the Generating System**

**Is the following system:** [✓] **Leased** **or** [ ] **Member Owned**

**Type of Application:** [✓] **Initial** **or** [ ] **Addition/Upgrade**

Name: Hobart Shepherd III

Mailing Address: 20 Petunia Road

City: Greenwood State: DE ZipCode: 19950

Email Address: hobart8346@gmail.com

Facility Location (if different from above): 20 Petunia Rd, Greenwood, DE 19950, US

Telephone: Area Code _____ Number 6095607448 (Evening) Area Code _____ Number _____

Delaware Electric Cooperative Account No.: 11415402 Rate Code: 1B2

**Section 2, Equipment Contractor**

Name: SolarCity Corporation DBA Tesla Energy

Mailing Address: 6671 Las Vegas Blvd South # 200

City: Las Vegas State: NV ZipCode: 89119

Email Address: Interconnection.DE@solarcity.com Telephone (Daytime): Area Code 702 Number 703-8951

**Section 3, General Service Requirements**

If different from the existing service, what size service will the generation facility require?

[X] 200A [ ] 400A [ ] 600A [ ] 800A

If this is a new account for a Solar System, what Voltage/Phase will be required?

[✓] 120/240V-1Ph [ ] 120/208V-1Ph [ ] 120/208V-3Ph [ ] 277/480V-3Ph

**Section 4, Application Fee**

This application fee is applicable for all new PV applications received on or after May 20, 2016. The cost will be $50.00 per application (new and/or upgrade) for systems 25 kW DC or less. For systems over 25 kW DC the fee will be $50.00 plus $1.00 kW DC over 25 kW DC. All interconnection applications submitted to DEC shall be

# Delaware Electric Cooperative
# Generator Interconnection Application – Short Form
(For Use with Generators less than 100 kW DC)

accompanied with the appropriate fee made out to Delaware Electric Cooperative and are non-refundable. No applications will be considered without the fee.

**Section 5, Generator Type**

Is Generator powered from a Renewable Energy Source: ☑ Yes No ☐

Type of Energy Source (if applicable): ☑ Solar ☐ Wind ☐ Other _____

Other generator energy source: ☐ Diesel ☐ Natural Gas ☐ Fuel Oil Other: _____

Will excess power be exported to Delaware Electric Cooperative? ☑ Yes No ☐

(Typical) Maximum Export: 2.70 kW ☒ DC ☐ AC

2 Yr. Avg. Annual Usage (kWh): 6,938 Forecast Annual kWh: 2,375

(Note: The Annual Forecast MUST be completed using **4.5 peak sun light hours per days**)

**Section 5, Generator Technical Information**

Please fill out the Initial Rating information if there is currently no generating facility on-site. If adding a generating facility to an existing facility, fill out the Initial Rating Information, the Added Rating Information and the Total Rating Information

Generator (or solar collector) Manufacturer, Model Name & Number: Hanwha SolarOne (Qidong) Q.Peak-G4.1/SC300 9
**(A copy of Generator Nameplate and Manufacturer's Specification Sheet may be substituted)**

Inverter Manufacturer, Model Name & Number (if used): ABB PVI-3.0-OUTD-S-US-Z-A-RGM 1
**(A copy of Inverter Nameplate and Manufacturer's Specification Sheet may be substituted)**

Initial Rating:
DC System Design Capacity: 2.70 (kW) _____ (kVA)
Inverter Capacity: 3.00 (Maximum AC kW)
AC System Design Capacity: 2.32 (kW) _____ (kVA)

Added Rating:
DC System Design Capacity: _____ (kW) _____ (kVA)
Inverter Capacity: _____ (Maximum AC kW)
AC System Design Capacity: _____ (kW) _____ (kVA)

Total Rating (Existing and New):
DC System Design Capacity: 2.70 (kW) _____ (kVA)
Inverter Capacity: 3.00 (Maximum AC kW)
AC System Design Capacity: 2.32 (kW) _____ (kVA)

# Delaware Electric Cooperative
# Generator Interconnection Application – Short Form
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**Generator Disconnect Switch:**
A lockable disconnect device shall be installed within 3 feet of the DEC meter and accessible at all times by DEC personnel, by and at the cost of the owner.

**Section 6, Generator/Equipment Certification**

Generating systems that utilize inverter technology must be compliant with *IEEE 929* 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): Hobart Shepherd III Date: 6/19/2017

Signed (Applicant): Hobart Shepherd

**Section 7, Aggregated Meter Information (If Applicable)**

***The following aggregated accounts shall be ranked according to the order in which credits shall be applied*** (We don't apply the credit; however, DEC may elect to make payment to the account serving the Generating System) Additionally, the following accounts must be active accounts and will be used to determine the total 2-year Annual Average kWh to ensure the new system is in compliance with DEC tariff.

1 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

2 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

3 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

4 - DEC Member Name _____ Rate Code: _____

DEC Account No.: _____ Capacity (DEC): _____ 2 Yr Annual Average kWh: _____

# Delaware Electric Cooperative
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*Any additional meters associated with this aggregated system must be supplied on a separate sheet in the same format.*

**Prior to installation send the completed Pages 1-3 to Delaware Electric Cooperative, Attn: Troy Dickerson, Manager of Engineering: Phone: (302) 349-3125 Email: tdickerson@decoop.com or mail to P.O. Box 600 Greenwood, DE 19950**

**Section 8. PRELIMINARY Approval to Proceed with Interconnection**

Delaware Electric Cooperative: [X] Has Approved [ ] Has Not Approved this Preliminary Application.

Name: LPGIII Date: 10/26/17

Signature: L. Paul Greenlee III Digitally signed by L. Paul Greenlee III DN: cn=L. Paul Greenlee III, o=Delaware Electric Coop., Inc., ou, email=pgreenlee@decoop.com, c=US Date: 2017.10.26 15:28:49 -04'00'

Reason of Not Approving: _____

# Delaware Electric Cooperative
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**Section 9. Installation Details**

Generating System will be installed by: ☐ Owner ☑ State Licensed Electrician

Installing Electrician: SolarCity Corporation DBA Tesla Energy Firm: _____ License No.: _____

Mailing Address: 6671 Las Vegas Blvd South, # 200

City: Las Vegas State: NV Zip Code: 89119

Telephone with Area Code: 702-703-8951

Installation Date: 12/01/17 Interconnection Date: 1/08/18

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): Please see attached final inspection certificate. Date: _____

**(In lieu of signature of Inspector, a copy of the final inspection certificate may be attached)**

**Section 10. Applicant Signature**

**I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.**

Name of Applicant (Printed): Hobart Shepherd III Date: 6-19-2017

Signature of Applicant: Hobart Shepherd

**Section 11. FINAL Approval or Non-Approval**

Delaware Electric Cooperative: ☒ Has Approved ☐ Has Not Approved this Interconnection Application.

Name: LPGIII Date: 12/21/17

Signature: L. Paul Greenlee III Digitally signed by L. Paul Greenlee III DN: cn=L. Paul Greenlee III, o=Delaware Electric Coop., Inc., ou, email=pgreenlee@decoop.com, c=US Date: 2017.12.21 13:09:23 -05'00'

Reason of Not Approving: _____

**Approval to connect to the Company 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.**