

**STATE OF VERMONT  
PUBLIC UTILITY COMMISSION**

Petition of Chelsea Solar LLC, pursuant to )  
30 V.S.A. § 248, for a certificate of public )  
good authorizing the installation and )  
operation of the “Chelsea Solar Project,” a )  
2.0 MW solar electric generation facility )  
located off Willow Road in Bennington, )  
Vermont )

Case No. 17-*TBD*-PET

**PETITION FOR CERTIFICATE OF PUBLIC GOOD**

NOW COMES Chelsea Solar LLC (“Chelsea Solar,” also the “Petitioner”) and files this Petition, pursuant to 30 V.S.A. § 248 and Public Utility Commission (“Commission”) Rule 5.400, requesting the Commission issue a Certificate of Public Good for the Chelsea Solar Project, a 2.0 megawatt (“MW”) solar electric generating facility to be located off Willow Road in Bennington, Vermont (the “Project”).

By this Petition, Chelsea Solar represents as follows:

**I. PETITIONER DESCRIPTION.**

1. Petitioner is a Vermont limited liability company located at c/o Allco Renewable Energy Limited, 1745 Broadway, 17th Floor, New York, NY 10019.

**II. THE CHELSEA SOLAR PROJECT**

2. The Chelsea Solar Project is a proposed 2.0 MW solar electric generation facility to be located on a portion of a 27.3-acre undeveloped parcel of land located on Willow Road in Bennington, Vermont.
3. The expected net energy output of the Project is approximately 3,350± megawatt-hours of electricity per year, which is the equivalent of the annual electricity

consumption of roughly 491 homes, based upon the average residential electricity use in Vermont.

4. The Project received a long-term power purchase agreement under the Vermont Standard Offer Program in June, 2014. This power purchase agreement provides for the sale of the Project's output at a fixed price for a period of 25 years.
5. The Project, as a renewable energy resource, will contribute to the State of Vermont meeting its energy and sustainability goals, which include, by the year 2050, to produce 90 percent of the energy consumed within the state through the use of renewable energy sources. The Project may also help Vermont utilities meet their Renewable Energy Standard obligations at the discretion of such utilities.
6. Chelsea Solar will also contribute positively to the local and State economy through the use of in-state suppliers, contractors, and consultants, and the payment of local and state property taxes.
7. The Project's equipment consists of the following: individual crystalline photovoltaic solar modules, a metal support structure under the modules to create south-facing collector arrays, inverters, electrical lines in underground conduit connecting the modules to the collection equipment and switch gear enclosure, and underground electrical lines from the interconnection transformer to the Green Mountain Power ("GMP") distribution system. The individual modules making up each solar array are anticipated to be approximately 350 watts each (depending on the final selection of a solar installer and module manufacturer).
8. The modules will be attached to a fixed mounting system composed of steel and aluminum support pieces. The mounting structure will be arranged in east to west

rows with modules placed two-high in portrait on each row. The modules will be tilted at approximately 15 degrees and will face due south.

9. Inverters will convert the DC current generated by the solar modules into AC current. All electrical conduits and lines will run underground from the solar modules to the inverter enclosures. A medium voltage transformer will convert the AC inverter output to 12 kV for interconnection to the local utility distribution grid. An automated recloser circuit breaker will provide electrical protection and be the official point of interconnection between the Project and GMP's distribution grid.
10. In support of this Petition, Chelsea Solar submits the accompanying testimony and exhibits that address each of the 30 V.S.A. § 248(b) criteria.

### **Request for Relief**

WHEREFORE, Chelsea Solar respectfully requests this Commission to:

- A. Hold a prehearing conference as expeditiously as possible on the Petition on or around December 8, 2017;
- B. Hold technical hearings during the week of February 12, 2018;
- C. Render a decision on this Petition by March 31, 2018;
- D. Make findings as required by 30 V.S.A. § 248 finding that Chelsea Solar shall be authorized to construct and operate a 2.0 MW solar electric generation facility located off Willow Road in Bennington, Vermont, and that the Project will promote the general good of the State of Vermont, and authorize Chelsea Solar to undertake the actions described herein and in the attached testimony and exhibits and issue a Certificate of Public Good to that effect; and

E. Take such other action as may be required for the expeditious review and approval of this  
Petition and the issuance of a Certificate of Public Good.

DATED 27th of November, 2017

/s/Michael Melone

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