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April 7, 2021

Via Electronic Filing

Melanie Bachman, Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: DOCKET NO. 497 - Burlington Solar One, LLC Application for a Certificate of Environmental Compatibility and Public Need, pursuant to Connecticut General Statutes §4-176 and §16-50k, for the Proposed Construction, Maintenance and Operation of a 3.5-Megawatt AC Solar Photovoltaic Generating Facility Located at Lot 33, Prospect Street, Burlington, Connecticut, and Associated Electrical Interconnection.

Dear Ms. Bachman:

I am writing on behalf of my client, Burlington Solar One, LLC (“Burlington Solar One”), in connection with the above-referenced Application. In preparation for the continuation of the public hearing for this Docket, currently scheduled for April 13, 2021, Burlington Solar One is filing the late-filed exhibits requested by the Council. With this letter, I am enclosing a narrative describing and summarizing the late-filed exhibits. The late-filed exhibits themselves can be accessed by going to: <https://app.box.com/s/f37hktgnpyscie42hgi2i4x6cbh1zqvy>.

Should you have any questions concerning this submittal, please contact me at your convenience. I certify that copies of this submittal have been submitted to all parties on the Application’s Service List as of this date.

Sincerely,

Lee D. Hoffman

Enclosure

Burlington Solar One

Supplemental filing

1.0 Modified Project Design

1.1 Project Parcel Setbacks

The Applicant noted through the filing of amended interrogatory responses on March 23, 2021 that the project design was modified in response to a March 9th, 2021 meeting held with neighbors of the proposed project.

The Applicant respectfully submits revised plans that address those changes in detail. These plans, including a comparison between the original design and the current design can be found attached hereto as **Exhibit A**. As can be seen in Exhibit A, the array was shifted to the south and now utilizes portions of the sand and gravel stockpiling areas that are free and clear of trees. Moving the array to the south allowed for increased setbacks along the western and north-western property boundaries. To the west, where the project parcel abuts 48 Main Street, the array setback was increased from 77 feet in the original design to 189 feet in the current design. To the north, where the project parcel abuts 56 Stone Road, the array setback was increased from 85 feet in the original design to 206 feet in the current design. The Applicant estimates that the move in modules from the forested area to the open areas will result in a reduction of approximately 1.5 to 2.0 acres of previously-required tree clearing. The Applicant will also look to selectively trim trees along the limits of clearing versus removing trees in their entirety.

1.2 Landscaping and Sightlines

The Applicant, in concert with the engineer of record and landowner, has taken measures to advance the landscaping plan using additional plantings and several earthen berms along and outside of the project fence in the western and northern areas of the project. The engineer of record and landowner have had additional discussions with neighboring property owners to the north and west of the project parcel. The landscaping plan was modified to include additional plantings along the property boundary in the northwestern sections of the parcel. Please see **Exhibit B** for reference. Additionally, the Applicant performed a sightline analysis (attached hereto as **Exhibit C**) to better determine the proper placement and height of earthen berms to be constructed along the northern and western sections of the project. The modified landscaping plan (Exhibit B) shows the proposed location of where the applicant intends to construct both 4-foot and 6-foot-tall earthen berms along and outside of the northern and western fence line. The placement of the proposed berms will provide additional visual screening to property owners along Main Street, Stone Road, and 29 Wildcat Road.

2.0 Racking Design

Per the request of the Council, the Applicant has provided the racking design documents attached hereto as **Exhibit D**. To specifically address questions regarding module to module gaps, please see the following:

- The North / South gaps between the Trina Modules will be about 1/8"
- The East / West gaps between the Trina Modules will be about 1/4"

- The North / South gaps between the Risen Modules will be about 3/8"
- The East / West gaps between the Risen modules will be about 1/4"

Additionally, there will be gaps of about 4" - 8" between the tables of modules that make up an entire row. These tables will hold either twelve (12), sixteen (16), or twenty (20) modules each.

3.0 Capacity Factors Throughout the Operational Life of the Solar Facility

Please see attached as **Exhibit E** the modeled capacity factors for the proposed Burlington Solar One project at each year of operational life.

4.0 Petroleum Materials Storage and Spill Prevention Plan

4.1 Modified Petroleum Materials Storage and Spill Prevention Plan

The Applicant has modified the Petroleum Materials Storage and Spill Prevention Plan to include contact information for the project owner, site construction contacts, local emergency response contacts, and the CTDEEP emergency response unit. Please see the modified plan attached hereto as **Exhibit F**.

4.2 Transformer Oil

The proposed transformers use "less flammable seed oil" derived from 100% edible seed oils with food grade additives. Its biodegradation rate and completeness meet the U.S. Environmental Protection Agency (EPA) criteria for "Ultimate Biodegradability" classification." Please see **Exhibit G** attached for the specification sheet for the proposed transformer oil.