



November 30, 2023

Via Electronic Mail

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

**Re: 2023 RCP United Illuminating Company (CT1104) Seaside Bridgeport 2.2 MW AC Solar  
Annual Report for the Connecticut Siting Council Review of Ten-Year Forecast of  
Connecticut Electric Loads and Resources**

Dear Ms. Bachman:

Pursuant to provisions of Section 16-50r of the Connecticut General Statutes, The United Illuminating Company's Seaside Bridgeport Solar Project (UI Seaside) submits the attached report of its ten-year forecast of loads and resources.

Please contact me at (203) 499-2096, or via email at [devang.patel@uinet.com](mailto:devang.patel@uinet.com) with questions or if additional information is needed.

Sincerely,

A handwritten signature in black ink, appearing to read 'Devang Patel', is written over a light blue horizontal line.

Devang Patel  
General Manger



**2023 RCP United Illuminating Company (CT1104) Seaside Bridgeport 2.2 MW AC Solar Annual Report for the Connecticut Siting Council Review of Ten-Year Forecast of Connecticut Electric Loads and Resources**

Pursuant to the provisions of Section 16-50r of the Connecticut General Statutes, UI Seaside hereby submits this report of its ten-year forecast of loads and resources:

*(1) A tabulation of estimated peak-loads, resources, and margins for each year.*

UI Seaside as a wholesale power producer, does not have a franchise territory within which it would estimate peak load requirements or margins for the period, and therefore, no such estimates are offered.

*(2) Data on energy use and peak loads for the five preceding calendar years.*

The UI Seaside Solar project commenced commercial operations on May 6, 2016 following the Siting Council approval on November 13, 2014. The following table provides the calendar year annual electric generation delivered to the ISO-NE grid since commercial operation:

| Calendar Year | Capacity (MW) AC | kWh Generation       | Operational Status  |
|---------------|------------------|----------------------|---|
| 2016          | 2.2              | 2,361,641            | Normal  |
| 2017          | 2.2              | 3,334,466            | Normal  |
| 2018          | 2.2              | 3,187,045            | Normal  |
| 2019          | 2.2              | 3,128,281            | Normal  |
| 2020          | 2.2              | 3,154,696            | Normal  |
| 2021          | 2.2              | 2,403,419            | 1 of 4 large Inverter failure (repaired)                  |
| 2022          | 2.2              | 787,336              | 2 of 4 large inverter failure (evaluate options)          |
| 2023          | 2.2              | 133,960              | 4 of 4 large inverter failure (site repower project 4thQ) |
| 2024          | 2.0              | 2,277,660 (forecast) | Repower site  |

*(3) A list of existing generating facilities in service.*

UI Seaside is UI's only solar facility in Connecticut.

*(4) A list of scheduled generating facilities for which property has been acquired, for which certificates have been issued and for which certificate applications have been tiled.*

None

*(5) A list of planned generating units at plant locations for which property has been acquired, or at plant locations not yet acquired, that will be needed to provide estimated additional electrical requirements, and the location of such facilities.*

None

*(6) A list of planned transmission lines on which proposed route reviews are being undertaken or for which certificate applications have already been tiled.*

None

*(7) A description of the steps taken to upgrade existing facilities and to eliminate overhead transmission and distribution lines in accordance with the regulations and standards described in section 16-50t.*

None

*(8) For each private power producer having a facility generating more than one megawatt and from whom the person furnishing the report has purchased electricity during the preceding calendar year, a statement including the name, location, size and type of generating facility, the fuel consumed by the facility and the by-product of the consumption.*

Not Applicable