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February 28, 2020

**VIA UPS OVERNIGHT**

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

RE: Docket No. F-2019

Dear Director Bachman:

Attached for filing is an original and 15 copies of a report to the Connecticut Siting Council for the year 2019 on behalf of PSEG Power Connecticut LLC and PSEG New Haven LLC.

If you have any questions or concerns, please do not hesitate to contact Vincent Fiumidinisi, Plant Manager New Haven Harbor Station and BHS Units 3&4, or Arthur Mantell, Plant Manager BHS Unit 5, or myself.

Sincerely,

A handwritten signature in black ink, appearing to read "Ana J. Murteira", written in a cursive style.

Ana J. Murteira

Attachment

cc: Joel Gordon, PSEG Power Connecticut LLC

**Report to the Connecticut Siting Council  
February 28, 2020**

**Docket No. F-2019**

**PSEG Power Connecticut LLC  
PSEG New Haven LLC  
80 Park Plaza, T5-B  
Newark, NJ 07102**

PSEG Power Connecticut LLC and PSEG New Haven LLC are pleased to submit the following responses to fulfill the requirements of Connecticut Statute Sec. 16-50r. Each response is preceded by the requirement from the statute.

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

Since PSEG Power Connecticut LLC (Power) and PSEG New Haven LLC (PSEG New Haven) are Independent Power Producers (IPPs), they do not have a franchise territory in which they must estimate a peak load requirement. Therefore, they have not developed a load-forecast model to support such a forecasted peak load.

In regards to Power's and PSEG New Haven's resources, please see response number 3.

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

Power owns and operates Bridgeport Harbor Station Units 3 and 4 as well as New Haven Harbor Station. With respect to energy use and peak loads for the five preceding calendar years, Power can report as follows:

From January 1, 2015 to December 31, 2015 Power generated 720,189 MWhs for wholesale sales.

From January 1, 2016 to December 31, 2016 Power generated 206,376 MWhs for wholesale sales.

From January 1, 2017 to December 31, 2017 Power generated 216,250 MWhs for wholesale sales.

From January 1, 2018 to December 31, 2018 Power generated 362,750 MWhs for wholesale sales.

From January 1, 2019 to December 31, 2019 Power generated 2,215,259 MWhs for wholesale sales.

PSEG New Haven owns and operates three peaking units rated at 43.2 megawatts (MW) net summer each, with a combined summer rating of 129.6MW and a combined winter rating of 145.6 MW. It commenced operations in June 2012. With respect to energy use and peak loads for the five proceeding calendar years, PSEG New Haven can report as follows:

From January 1, 2015 to December 31, 2015 PSEG New Haven Peakers generated 7,028 MWhs for wholesale sales.

From January 1, 2016 to December 31, 2016 PSEG New Haven generated 2,850 MWhs for wholesale sales.

From January 1, 2017 to December 31, 2017 PSEG New Haven generated 6,998 MWhs for wholesale sales.

From January 1, 2018 to December 31, 2018 PSEG New Haven generated 5,624 MWhs for wholesale sales.

From January 1, 2019 to December 31, 2019 PSEG New Haven generated 1,842 MWhs for wholesale sales.

**3. A list of existing generating facilities in service:**

Power is the owner of the following facilities:

SCC Winter/SCC Summer Rating<sup>1</sup>

Unit	SCC Winter	SCC Summer
Bridgeport Harbor Station #3	382.527	369.801
Bridgeport Harbor Station #4	21.924	16.481
Bridgeport Harbor Station #5	515.745	496.615
New Haven Harbor Station #1	439.585	447.894
PSEG New Haven #2	48.324	42.851
PSEG New Haven #3	48.324	42.851
PSEG New Haven #4	48.324	42.851

<sup>1</sup> Ratings are taken from the Seasonal Claimed Capability (SCC) Report for December 2019.  
See: <https://www.iso-ne.com/isoexpress/web/reports/operations/-/tree/seasonal-claimed-capability>

- 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 filed:**

PSEG Power Connecticut LLC recently completed the construction of its Bridgeport Harbor Unit 5 facility and declared commercial operation on June 10, 2019. The facility is located on the site of Bridgeport Harbor Station and is interconnected at the 345KV level at the Singer Substation.

- 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.**

N/A

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

Since Power and PSEG New Haven are IPPs, they do not have transmission lines for which route reviews are being taken nor for which certificate applications have already been filed.

- 7. A description of 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.**

N/A

- 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.**

N/A