



Algonquin
POWER INVESTED.

Algonquin Power Windsor Locks, LLC
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February 19, 2014

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

Re: Docket No. F – 2014/2015 – Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads and Resources – Algonquin Power Windsor Locks, LLC

Dear Ms. Bachman:

Pursuant to Section 16-50r of the Connecticut General Statutes, Algonquin Power Windsor Locks, LLC submits the attached report of its ten-year forecast of loads and resources. In accordance with the Council's instructions, the original and 15 copies are enclosed.

Sincerely,

James A. White
Plant Manager

REPORT OF FORECAST OF LOADS AND RESOURCES
ALGONQUIN POWER WINDSOR LOCKS, LLC

Pursuant to the provisions of Section 16-50r of the General Statutes, Algonquin Power Windsor Locks, LLC submits the following:

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

Algonquin Power Windsor Locks, LLC (APWL) owns and operates Algonquin Power Windsor Locks Cogeneration (Facility) at 26 Canal Bank Road, Windsor Locks, CT 06096. The Facility was formerly known as Dexter Corporation Cogeneration Facility initially and then as Ahlstrom Windsor Locks Cogeneration. The facility is a combined –cycle cogeneration plant that produces electricity and steam through a simple topping cycle. The Facility includes one combustion turbine system consisting of a combustion turbine generator, a two-pressure waste heat boiler and a steam turbine generator, one combustion turbine system consisting of a combustion turbine generator, waste heat boiler, an oxidation catalyst and a selective catalytic reduction (SCR) system and two package boilers. The Facility sells the generated electricity to Northeast Utilities (NU) and to the adjacent paper mill owned by Ahlstrom Nonwoven, LLC (AN) and the generated steam to the AN paper mill. Algonquin Power Windsor Locks, LLC as a wholesale power producer and Cogeneration Facility, does not have a need to forecast an estimated peak load requirement or margins, therefore no estimates have been offered.

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

Algonquin Power Windsor Locks, LLC’s sales of energy were as follows:

<u>Year</u>	<u>Energy, MWhr</u>
2009	376,671
2010	300,232
2011	355,649
2012	192,220
2013	115,643

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

Algonquin Power Windsor Locks, LLC has three units in operation at its facility in Windsor Locks, Connecticut.

GE Frame 6	40 MW	(Nominal)
Solar Titan	15 MW	(Nominal)
GE STG	16 MW	(Nominal)

(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.

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 requirement, and the location of such facilities.

None

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

None

(7) A description of the steps taken to upgrade the existing facilities and to eliminate overhead transmission and distribution lines in accordance with the regulations and standards described in Section 106-50t.

Not Applicable

(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, fuel consumed by the facility and the byproduct of the consumption.

Not Applicable