

CONNECTICUT SITING COUNCIL
REVIEW OF THE TEN-YEAR FORECAST
OF CONNECTICUT ELECTRIC LOADS
AND RESOURCES
Docket No. F-2011

Submitted to: Connecticut Siting Council
May 2, 2011.

Submitted by: NRG Energy, Inc.
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NRG Energy, Inc. ("NRG") is pleased to submit this tenth annual report to the Connecticut Siting Council (the "Council" or "CSC") pursuant to, and to the extent required by, Connecticut Statute Sec. 16-50r as amended by Public Act No. 01-144.

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

NRG and its wholly-owned subsidiaries, Connecticut Jet Power LLC, Devon Power LLC, Middletown Power LLC, Montville Power LLC and Norwalk Power LLC, are exempt wholesale generators. As such, NRG and its subsidiaries are not restricted to a franchise territory and, therefore, do not estimate peak load requirements or margins for the Connecticut bulk electric supply system in the regular course of business.

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

The total net MWhs generated from the NRG facilities in the calendar years 2006-2010 are as follows:

Net MWh Generated

2006	2007	2008	2009	2010
1,085,009	858,681	428,191	236,467	512,398

3) A list of existing generating facilities in service:

Current Seasonal Claimed Capability
(Winter) (Summer)

Devon Power LLC:	Unit 10	19.186 MW	14.407 MW
	Unit 11	38.819 MW	29.299 MW
	Unit 12	38.437 MW	29.227 MW
	Unit 13	38.969 MW	29.967 MW
	Unit 14	40.274 MW	29.704 MW
Middletown Power LLC:	Unit 2	120 MW	117 MW
	Unit 3	245 MW	236 MW
	Unit 4	363.188 MW	400 MW
	Unit 10	22.023 MW	17.123 MW
Montville Power LLC:	Unit 5	81.59 MW	81 MW
	Unit 6	409.913 MW	407.4 MW
	Unit 10	5.354 MW	5.296 MW
	Unit 11	5.354 MW	5.296 MW

Norwalk Power LLC	Unit 1	164 MW	162 MW
	Unit 2	172 MW	168 MW
	Unit 10	17.062 MW	11.925 MW
Connecticut Jet Power LLC			
Branford:		20.95 MW	15.8 MW
Cos Cob:	Unit 10	23.0 MW	19.028 MW
	Unit 11	23.0 MW	18.724 MW
	Unit 12	23 MW	19.082 MW
	Unit 13	23MW	19.201 MW
	Unit 14	23 MW	19.607MW
Franklin Drive:		20.527 MW	15.417 MW
Torrington Terminal:		20.748 MW	15.638 MW

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:

In 2000, NRG acquired the real property and development assets, including all applications and permits, for a combined cycle facility located in Meriden, Connecticut. Though construction activities were undertaken by Meriden Gas Turbines LLC (“MGT”), a wholly-owned subsidiary of NRG, completion of this project is on hold. On February 22, 2006, the Connecticut Siting Council approved a five-year extension of the project certificate. MGT has applied for extensions for all permits where necessary. On March 4, 2011, the CSC granted an extension of the project certificate to April 27, 2016.

In 2008, the joint venture of NRG and The United Illuminating Company, GenConn Energy LLC (“GenConn”), was selected by the Department of Public Utility Control in Docket No. 08-01-01 to construct a total of eight General Electric LM6000 fast-start peaking units, four each at NRG’s Middletown and Devon Stations, for a total of approximately 400 MW.

Project Name	Site	Location	Number of Units	Gross Capacity (nameplate)
DV 15-18	Devon Station	Milford, CT	4 x LM6000	200 MW
MD 12-15	Middletown Station	Middletown, CT	4 x LM6000	200 MW
		Total:	8 x LM6000	400 MW

On January 24, 2008, the Council approved NRG’s petition for a declaratory ruling that no certificate of environmental compatibility and public need is required for GenConn Devon Units 15-18.

On December 4, 2008, the Council approved NRG's petition for a declaratory ruling that no certificate of environmental compatibility and public need is required for GenConn Middletown Units 12-15.

The GenConn Devon units came on line in the summer 2010 and the new Middletown units are expected to be on line by June 2011.

Also, see, response 7 below, regarding the certificate issued to NRG's wholly-owned subsidiary, Montville Power LLC, to enhance Unit 5 at its Montville Station in Uncasville, Connecticut to use biomass as a fuel source for 40 MW of the Unit's 82 MW generating capacity.

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:

NRG has an application for electrical interconnection on file with ISO New England Inc. for Norwalk Harbor Station to replace the existing capacity with combined cycle technology.

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

Based upon their exempt wholesale generation status, this request is not applicable to NRG's subsidiaries.

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:

On December 3, 2008, NRG unveiled its redevelopment project to enhance Unit 5 at its Montville Station in Uncasville, Connecticut to use biomass as a fuel source for 40 MW of the Unit's 82 MW generating capacity. The facility is currently fueled by natural gas and oil. Biomass, which uses plant matter such as chipped wood to produce electricity, is a renewable source of energy that will help lower the facility's net carbon footprint and is eligible for Class I renewable energy credits in support of the state's Renewable Portfolio Standards. On February 25, 2010, the Council approved Montville Power LLC's petition for declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the retrofit and operation of the Montville Station Unit 5 as a biomass-fueled generation unit.

Transmission facilities located on and around NRG properties are owned and maintained by CL&P. Easements were granted to CL&P, as part of the purchase and sale agreement, to facilitate equipment maintenance and to allow provisions for future transmission expansion.

- (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.