



NRG Energy, Inc.
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ORIGINAL

March 31, 2009

Mr. S. Derek Phelps, Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

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CONNECTICUT
SITING COUNCIL

Dear Mr. Phelps:

Per your request, NRG Energy, Inc. hereby submits the required report titled Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads & Resources, Docket No. F-2009 (original and 20 copies).

Should you need any additional information, please contact the undersigned.

Very truly yours,

NRG Energy Inc.

A handwritten signature in cursive script that reads "Judith Lagano". The signature is written in black ink and is positioned above the printed name and title.

Judith Lagano
Director, Asset Management New England

JL/dls

Enclosures (21)

CONNECTICUT SITING COUNCIL
REVIEW OF THE TEN-YEAR FORECAST
OF CONNECTICUT ELECTRIC LOADS
AND RESOURCES
Docket No. F-2009

Submitted to: Connecticut Siting Council
March 31, 2009

Submitted by: NRG Energy, Inc.
211 Carnegie Center Drive
Princeton, NJ 08540

NRG Energy, Inc. (“NRG”) is pleased to submit this ninth 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 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:

Net MWh Generated

	2004	2005	2006	2007	2008
Devon Power LLC	50,932	17,263	47,577	12,126	3,977
Middletown Power LLC	465,891	938,323	510,795	501,478	159,077
Montville Power LLC	159,435	550,874	161,899	52,182	39,270
Norwalk Power LLC	313,250	550,379	362,896	289,302	223,165
Connecticut Jet Power LLC	2,276	4,400	1,842	3,593	2,702

3) A list of existing generating facilities in service:

		<u>Seasonal Claimed Capability</u>	
		(Winter)	(Summer)
Devon Power LLC:	Unit 10	19.2 MW	14.4 MW
	Unit 11	38.8 MW	29.3 MW
	Unit 12	38.4 MW	29.2 MW
	Unit 13	39.0 MW	30.0 MW
	Unit 14	40.3 MW	29.7 MW

Middletown Power LLC:	Unit 1 ¹	70 MW	66 MW
	Unit 2	120 MW	117 MW
	Unit 3	245 MW	236 MW
	Unit 4	402 MW	400 MW
	Unit 10	22.0 MW	17.1 MW
Montville Power LLC:	Unit 5	81.6 MW	81 MW
	Unit 6	409.9 MW	407.4 MW
	Unit 10	2.7 MW	2.6 MW
	Unit 11	2.7 MW	2.6 MW
Norwalk Power LLC	Unit 1	164 MW	162 MW
	Unit 2	172 MW	168 MW
	Unit 10	17.1 MW	11.9 MW
Connecticut Jet Power LLC			
Branford:		21.0 MW	15.8 MW
Cos Cob:	Unit 10	24.4 MW	19.5 MW
	Unit 11	21.8 MW	16.9 MW
	Unit 12	23.4 MW	18.5 MW
	Unit 13	24.2 MW	19.2 MW
	Unit 14	23.5 MW	19.6MW
Franklin Drive:		20.5 MW	15.4 MW
Torrington Terminal:		20.8 MW	15.6 MW

¹ Middletown Unit 1 is on inactive reserve

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, 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 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 October 20, 2008, Connecticut Light & Power Company (“CL&P”) filed an application for a Certificate of Environmental Compatibility and Public Need with the Council for the Greater Springfield Reliability Project (“GSRP”) and the Meekville Junction Circuit Separation Project. As a result of CL&P’s application, the Connecticut Energy Advisory

Board (“CEAB”) issued a reactive request for proposals. On December 31, 2008, NRG Energy, Inc. (“NRG”) filed a proposal with the CEAB for the Meriden Combined Cycle Project (the “Meriden Project”). In its application, NRG detailed the economic, efficiency and environmental benefits of the Meriden Project. Also, NRG stressed that a long-term agreement would be necessary to support the Meriden Project and proposed that this agreement be structured as a contract for differences such as the ones used in recent procurements by the DPUC.

On February 17, 2008, the CEAB submitted an evaluation to the CSC of the GSRP and the proposed alternatives, including the Meriden Project (the “CEAB Report”). In its evaluation, CEAB concluded that the Meriden Project as well as two other proposed alternatives to the GSRP would, if implemented, have a beneficial effect on the overload conditions identified in CL&P’s needs assessment for the GSRP, and therefore should be considered by the CSC.

On March 19, 2009, NRG filed an application to the Council for the Meriden Project (the “CSC Application”). NRG’s submittal was made solely for the purpose of comparing alternatives to the GSRP and will not disturb the Certificate granted to MGT by the CSC in Docket No. 190 (an Application by PDC-El Paso Meriden LLC for a Certificate of Environmental Compatibility and Public Need for the construction of the Meriden Power Project). NRG’s CSC Application demonstrated the benefits of the Meriden Project as compared to the GSRP.

In 2008, the joint venture of NRG and The United Illuminating Company, GenConn Energy LLC, was selected by the Department of Public Utility Control in Docket No. 08-01-01 to construct at total of eight General Electric LM6000 fast-start peaking units, four each at NRG’s Middletown and Devon Power 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 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 Middletown Units 12-15.

The new Devon units are scheduled to be on line in June 2010 and the new Middletown units in June 2011.

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:

In June 2008, NRG completed the installation of two new fast start units at its Cos Cob Station within the existing footprint located in Greenwich Connecticut consistent with the Council's July 26, 2007 ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed construction, maintenance, and operation of the Cos Cob facility (Docket No. 812). The addition of these new units increased the capability of the Cos Cob facility from a nominal 60 MW to 100 MW of much-needed quick start capacity in Southwest Connecticut.

In addition to Cos Cob, NRG has numerous applications for electrical interconnection on file with ISO New England Inc. to either increase the output of the existing stations or to replace the existing capacity. (See number 7 below.)

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 June 21, 2006 the Company unveiled a comprehensive redevelopment plan for its generating fleet in the State of Connecticut called Powering Connecticut with NRG (the plan). The plan is designed to modernize, upgrade and grow NRG's generating fleet and will provide enhanced reliability and energy price stability to the state of Connecticut through a more flexible generation mix with a lower emissions profile. NRG continues to pursue its Powering Connecticut plan in various forums and advance the development of its repowering projects with the objective of improving both the efficiency and environmental footprint at each of the NRG stations.

On December 3, 2008, NRG unveiled its latest redevelopment project to enhance Unit 5 at its Montville Station in Uncasville, Connecticut to use biomass as a fuel source for 30 MW of the Unit 5'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. When complete in mid-2011, the project should be eligible for Class I renewable energy credits.

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.