NRG Energy, Inc.
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Middletown, CT 06457

ORIGINAL

April 22, 2010

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

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-2010 (original and 20 copies).

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

Very truly yours,

NRG Energy Inc.

Judith Lagano
Director, Asset Management New England

JL/dlo

Enclosures (21)

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CONNECTICUT SITING COUNCIL REVIEW OF THE TEN-YEAR FORECAST OF CONNECTICUT ELECTRIC LOADS AND RESOURCES

Docket No. F-2010

Submitted to: Connecticut Siting Council
April 9, 2010

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

NRG Energy, Inc. ("NRG" or the "Company") is pleased to submit this 10th 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

	2005	2006	2007	2008	2009
Devon Power LLC	17,263	47,577	12,126	3,977	9,586
Middletown Power LLC	938,323	510,795	501,478	159,077	151,991
Montville Power LLC	550,874	161,899	52,182	39,270	33,139
Norwalk Power LLC	550,379	362,896	289,302	223,165	37,007
Connecticut Jet Power LLC	4,400	1,842	3,593	2,702	4,744

3) A list of existing generating facilities in service:

		Seasonal Claimed Capability (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 MW	30 MW
	Unit 14	40.3 MW	29.7 MW

Middletown Power LLC:	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	2.7 MW
	Unit 11	2.7 MW	2.7 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	23.9 MW	19.0 MW
	Unit 11	23.6 MW	18.7 MW
	Unit 12	24 MW	19.1 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:		20.7 MW	15.6 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, 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 as necessary.

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 Devon and Middletown 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 (the "GenConn Devon units").

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 "GenConn Middletown units").

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

On February 25, the Council approved NRG's petition for declaratory ruling that no certificate of environmental compatibility and public need is required for retrofit and operation of a biomass fueled generation project at NRG's Montville Station in Uncasville, Connecticut. (See number 7 below.)

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 numerous applications for electrical interconnection on file with ISO New England Inc. seeking either to increase the output of the existing stations or to replace or repower 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: "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 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. Of the projects listed in the plan, NRG has completed or is in the process of completing three of those projects including the Cos Cob Redevelopment Project, an expansion of the existing Cos Cob Station by 40 MW, as well as the fast start peaking projects and Devon and Middletown Stations.

On December 3, 2008, NRG unveiled its latest redevelopment project: repowering Unit 5 at its Montville Station in Uncasville, Connecticut to use biomass as a fuel source for 40 MW of 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 Connecticut Class I renewable energy credits.

Transmission facilities located on and around NRG properties are owned and maintained by CL&P. To facilitate equipment maintenance and to allow provisions for future transmission expansion, easements were granted to CL&P, as part of the 1999 Purchase and Sale Agreement by and between NRG and CL&P..

(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.