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NRG Energy, Inc.
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May 2, 2008

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CONNECTICUT
SITING COUNCIL

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

ORIGINAL

Dear Mr. Phelps:

Per your request NRG Energy, Inc. submits the required report titled Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads & Resources, Docket No. F-2008. As requested, there is the original and twenty (20) copies.

Should you need any additional information, please contact us.

Very truly yours,

NRG Energy Inc.

Judith Lagano
Director, Asset Management New England

JL/dls

Enclosures (21)

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CONNECTICUT
SITING COUNCIL

CONNECTICUT SITING COUNCIL
REVIEW OF THE TEN-YEAR FORECAST
OF CONNECTICUT ELECTRIC LOADS
AND RESOURCES
Docket No. F-2008

Submitted to: Connecticut Siting Council
May 2, 2008

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

NRG Energy is pleased to submit this eighth annual report to the Connecticut Siting Council 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 Energy Inc. (“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 estimate peak load requirements or margins for the Connecticut bulk electric supply system in the regular course of business.

NRG purchased the Devon, Middletown, Montville and Norwalk Harbor Stations, as well as the remote jets located in Franklin Drive, Branford, Cos Cob and Torrington, on December 16, 1999.

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

NRG purchased the Devon, Middletown, Montville and Norwalk Harbor Stations, as well as the remote jets located in Branford, Cos Cob, Franklin Drive, and Torrington Terminal on December 16, 1999. For information prior to that date, please refer to CL&P's filings to the Connecticut Siting Council. For the period of December 16, 1999 to December 31, 1999 and for subsequent years, the generation for the NRG facilities was as follows:

Net MWhrs Generated

	2003	2004	2005	2006	2007
Devon Power LLC	321,400	50,932	17,263	47,577	12,126
Middletown Power LLC	470,544	465,891	938,323	510,795	501,478
Montville Power LLC	258,403	159,435	550,874	161,899	52,182
Norwalk Power LLC	310,915	313,250	550,379	362,896	289,302
Connecticut Jet Power LLC	2,413	2,276	4,400	1,842	3593

3) A list of existing generating facilities in service:

		<u>Seasonal Claimed Capability</u>	
		(Winter)	(Summer)
Devon Power LLC:	unit 7 ¹	109 MW	107 MW
	unit 8 ²	109 MW	107 MW
	unit 10	19.2 MW	14.4 MW
	unit 11	39.1 MW	29.6 MW
	unit 12	38.4 MW	29.2 MW
	unit 13	39.0 MW	30.0 MW
	unit 14	40.3 MW	29.8 MW

Middletown Power LLC:	unit 1 ³	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	23.7 MW	18.8 MW
	unit 11	16.9 MW	21.8 MW
	unit 12	23.3 MW	18.4 MW
Franklin Drive:		20.5 MW	15.4 MW
Torrington Terminal:		20.7 MW	15.6 MW

- 1 Deactivated October 2004.
- 2 Deactivated June 2004
- 3 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:

NRG has acquired the real property, development assets, including all applications and permits for the Meriden combined cycle facility. Though construction activities were undertaken by Meriden Gas Turbines LLC (MGT), a subsidiary of NRG Energy, Inc., 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.

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 is in the process of constructing 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 (Petition 812). The addition of these new units will increase the capability of the Cos Cob facility from a nominal 60 MWs to 100 MW of much needed quick start capacity in Southwest Connecticut. The new units are expected to be on line by June 2008.

In addition to Cos Cob, NRG has numerous applications for electrical interconnection on file with ISO-New England 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 our generating fleet and will provide to the State of Connecticut enhanced reliability and energy price stability 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.

NRG is in the process of constructing two new fast start units at its Cos Cob plant 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 (Petition 812). The addition of these new units will increase the capability of the Cos Cob facility from a nominal 60 MWs to 100 MW of much needed quick start capacity in Southwest Connecticut. The new units are expected to be on line by June 2008.

In March 2008, NRG and United Illuminating submitted to the Department of Public Utility Control ("Department") a proposal in the name of GenConn Energy, LLC (a Joint Venture company of NRG and UI) pursuant to Docket No. 08-01-01 in fulfillment of the mandates contained in Section 50 of Public Act 07-242 (the "Act"). GenConn is proposing to construct up to ten GE LM6000 fast-start peaking units at NRG's Middletown, Montville, and Devon Power Stations for a total of approximately 500 MWs:

Project Name	Site	Location	Number of Units	Gross Capacity (nameplate)
DV 15-18	Devon Station	Milford, CT	4 x LM6000	200 MW
MD 12-13	Middletown Station	Middletown, CT	4 x LM6000	200 MW
MV 12-13	Montville Station	Montville, CT	2 x LM6000	100 MW
<i>Total:</i>			10 x LM6000	500 MW

GenConn's proposals along with several other participants in the docket are currently being evaluated. A decision from the DPUC is expected this June.

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.

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.