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CONNECTICUT SITING COUNCIL
REVIEW OF THE TEN-YEAR FORECAST
OF CONNECTICUT ELECTRIC LOADS
AND RESOURCES
Docket No. F-2006

Submitted to: Connecticut Siting Council
March 14, 2006

Submitted by: NRG Energy Inc.
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NRG Energy is pleased to submit this sixth 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 lack a franchise territory and, therefore, are not obligated to estimate peak load requirements or maintain adequate margins for the Connecticut bulk electric supply system.

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.

Devon Units 7 and 8 were deactivated in June and October 2004 respectively upon termination of a Reliability Agreement with ISO – New England (ISO-NE). Devon 10 was deactivated in October 2002, also upon termination of its Reliability Agreement with ISO-New England.

On November 1, 2005, Devon Power LLC, Middletown Power LLC, and Montville Power LLC filed for acceptance by the Federal Energy Regulatory Commission (FERC) cost of service RMR agreements between ISO-NE, NRG Power Marketing, Inc., and the NRG LLCs seeking an effective date of January 1, 2006. The agreements provide, among other things, compensation to NRG for the reliability services it provides through its generating facilities. On February 1, 2006, the FERC approved an uncontested settlement between the NRG LLCs, The Connecticut DPUC, the Connecticut Office of Consumer Council, and ISO-New England which finalized the rates, terms, and conditions of the cost of service agreements. Montville and Middletown will be under RMR agreements until either the ISO determines they are no longer needed for reliability or the full implementation of a market alternative, such as the Forward Procurement Market (FPM) proposed for implementation in 2010 in the recently filed settlement of the LICAP proceeding docket ER03-563. Devon Units 11-14 will be under an RMR agreement until the implementation of the Locational Forward Reserve Market (LFRM), which may take place as early as the 4th quarter of this year. If the LFRM does not provide sufficient earnings opportunities for these units to remain in operation, we may consider reapplying for RMRs until the FPM is fully implemented. In addition, NRG is seeking bilateral contracts to support adding or repowering existing resources at its Connecticut sites.

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

	1999	2000	2001	2002	2003	2004	2005
<u>Devon Power LLC:</u>	38,400	886,109	741,790	482,385	321,400	50,932	17,263
Middletown Power LLC	69,400	2,286,385	1,514,855	550,303	470,544	465,891	938,323
Montville Power LLC	45,000	1,008,908	637,080	298,900	258,403	159,435	550,874
Norwalk Power LLC	57,700	1,334,872	826,395	267,992	310,915	313,250	550,379
Connecticut Jet Power LLC	0	1,084	3,169	2,657	2,413	2,276	4,400

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 ³	19.2 MW	17.2 MW
	unit 11	39.1 MW	29.6 MW
	unit 12	38.5 MW	29.2 MW
	unit 13	39.8 MW	30.8 MW
	unit 14	40.3 MW	29.8 MW
Middletown Power LLC:	unit 1 ⁴	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	22.8 MW	17.9 MW
	unit 11	23.2 MW	18.2 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 Deactivated in October 2002
- 4 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. Based on today's industry conditions, the capital markets will not support a project such as Meriden, with required financing, unless a long term Power Purchase Agreement ("PPA") is in place. Under all of these scenarios, NRG believes a long term PPA with a load serving entity provides the best opportunity for bringing the Meriden project to fruition. 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:**

On October 29, 2004, NRG filed System Impact Study Agreement applications with ISO-New England for the redevelopment of the Norwalk Harbor, and Cos Cob sites. These projects are in the preliminary stages of development. On February 6, 2006, NRG filed a System Impact Study application for the return to service of Devon 10 later in the year.

- 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:**

Since its acquisitions in Connecticut, NRG has been evaluating what steps, if any, may be taken to upgrade existing facilities (see 5 above). NRG is currently evaluating clean coal technologies to potentially repower one of its Connecticut sites with a ~600 MW plant. We have retained a consulting firm to assist with this evaluation and expect to make a decision on whether to proceed in the next six months. Additionally, NRG is in negotiations with a Connecticut fuel cell company to develop a 10 to 15 MW fuel cell plant on one of NRG's Connecticut sites. 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.