March 21, 2006

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

Re: Docket No. F-2006 – Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads and Resources

Dear Mr. Phelps:

AES Thames, LLC (Thames) hereby submits information to the Connecticut Siting Council (Council) as described in Connecticut General Statute §16-50r and as amended by Public Act No. 01-144.

This submittal is our initial submittal, as we were not aware or notified in the past by the Council of this requirement. An example of your typical notification, obtained from another state electric generating facility, is shown in Attachment 1. Please include Thames on any future notifications or updates regarding the docket, as it is our intent to report this information annually from this point forward.

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

The Thames facility is a coal-fired cogeneration plant, which is owned and operated by AES Thames, LLC. The plant generates approximately 181 MW of electricity for sale to the Connecticut Light and Power Company (CL&P). The plant consists of two identically sized circulating fluidized bed boilers. Each boiler generates approximately 700,000 pounds of steam per hour, on an annual average, and the two boilers generate electricity by exhausting steam into a single turbine generator. The plant also supplies (up to 100,000 pounds per hour) process steam to the Jefferson Smurfit-Stone Container Corporation plant located adjacent to the AES Thames facility.

Being a cogeneration facility, AES Thames sells a predominate amount of its energy output in the form of electricity to CL&P. The electric sales contract for the facility does not include provisions for dispatching the unit based on the Independent System Operator of New England's (ISO-NE) electric load demand requirements. It does however provide provisions for CL&P to dispatch, up to 50% load, for 150 hours per year in the event of their electric transmission system having constraints. As such, the unit will be operated as necessary to ensure the electric reliability of the ISO-NE system in conjunction with any emergency constraints on the transmission system.

Thames

141 Depot Road • Uncasville, Connecticut 06382 • (860) 848-9223 • FAX (860) 848-3814

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

Thames' net production of electricity is as follows:

Year	Load, MW	Energy, MWh
2001	181	1,537,815
2002	181	1,531,173
2003	181	1,530,448
2004	181	1,567,601
2005	181	1,256,178

3. **A list of existing generating facilities in service:**

AES Thames, LLC, Uncasville, CT, is the company's only asset in service subject to reporting in Connecticut.

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:**

None.

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:**

None.

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

None.

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:**

Please refer to the Council's Docket No. 83, whereby Connecticut Light and Power ("CL&P") Company filed application for a Certificate of Environmental Compatibility and Public Need for a 115 kV underground transmission line to interconnect the AES

Thames Cogeneration Project to the Montville Substation in Montville, Connecticut during initial construction of the facility in 1988. On August 29, 2005 the 115 kV transmission line failed while in service. The cable was out of service for six weeks, while CL&P worked on an upgraded repair.

Please note that the transmission line is owned by CL&P, but is an integral component of the Thames cogeneration facility.

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:**

AES Thames, LLC operates two coal-fired circulating fluidized bed boilers to generate electricity via a single steam turbine generator. The facility, located at 141 Depot Road in Uncasville, CT, generates 181 MW of electricity. The by-product of the fuel is ash and air and water emissions.

Please contact me at ext.111, or Andrew Walz at ext.116, if you have any questions or comments regarding this submittal.

Sincerely,

Bob Price
Plant Manager

Attachment

Cc: Connecticut Siting Council, twenty (20) copies
Mark Sussman, Murtha Cullina LLP
Mark Boucher, Thames
Andrew Walz, Thames
Weikko Wirta, Thames