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May 2, 2005

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

**RE: PPL Wallingford
Energy Output**

Dear Mr. Phelps:

Enclosed please find an original plus 20 copies of a 2004 output report from PPL Wallingford.

Please contact me should you have any questions.

PPL WALLINGFORD

By: Lawrence J. Golden
Lawrence J. Golden
Its Attorney

LJG:sjf
Encs.
cc: Ms. Dorene Wehr (dlwehr@pplweb.com)

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PPL Wallingford Pre-Hearing Interrogatories, Set One
DOCKET F-2005

- Q.1. Listed below are the net capability data from the April 2005 ISO-New England Seasonal Claimed Capability Report (rounded to two decimal places). Does PPL Wallingford Energy, LLC (PPL) agree with these numbers? If no, provide the correct data.

Net Capability – MW	Summer	Winter
PPL Wallingford Unit 1	43.50	48.95
PPL Wallingford Unit 2	41.37	52.37
PPL Wallingford Unit 3	43.53	48.43
PPL Wallingford Unit 4	44.51	49.79
PPL Wallingford Unit 5	42.57	53.57

- A.1. Yes.

- Q.2 How does PPL compute seasonal claimed capability?

- A.2. Seasonal claimed capability is computed via the prescribed procedures in the ISO-NE Manual for Installed Capacity (M20), Attachment D, Claimed Capability Audits, Revision 6, Effective 2/1/2005.

- Q.3. Provide the total number of megawatt-hours (MWh) generated by PPL during each of the following years: 2001, 2002, 2003 and 2004.

- A.3. 2001 – 28,295 MWhr
2002 – 159,361 MWhr
2003 – 97,071 MWhr
2004 – 59,909 MWhr

- Q.4. Do any of PPL's generating facilities have black start capability? If yes, specify which ones.

- A.4. As of June 2004, all Wallingford Units (Units 1, 2, 3, 4, and 5) have black start capability.

- Q.5. Describe recent market trends and the relationship between the natural gas industry and electric generation.

- A.5. Over the past year the market prices for gas and electricity have both risen. However, the price of gas has risen at a faster rate than the price of electricity resulting in compression of the gas to electricity spark spread margin.

Q.6. Was PPL affected by natural gas delivery during this past winter? Explain.

A.6. Yes, for the gas day of December 20, 2004 (which spans from 10 am on December 20 to 10am on December 21) PPL was forced to make all 5 of its Wallingford units unavailable for portions of the day due to gas unavailability (See Attachment 1). For December 20th all 5 of the Wallingford units were offered into the Day Ahead market but no units were settled (i.e. the Wallingford units were not needed to meet the NEPOOL Day Ahead load obligation). Even without a Day Ahead commitment PPL Scheduled gas to the Wallingford Station for December 20th in anticipation of some unit operation in the Real Time market. However, the real time demand for electricity from Wallingford on December 20th exceeded the quantity of gas scheduled to Wallingford for December 20th. PPL searched for additional intra-day gas but was not successful. In addition to a tight intra-day gas market, Algonquin Gas Pipeline (the pipeline that supplies the Wallingford Station) issued a critical notice informing their customers that gas deliveries needed to match or exceed usage for the gas day of December 20th. This notice prevented PPL and other Algonquin customers from withdrawing gas from their balancing agreement with the pipeline. Without further recourse PPL was forced to make the units unavailable due to gas supply.

Q.7. Did PPL operate during the peak demand days during this past winter? If yes, identify the days, number of units and hours of operation.

A.7. Yes. See Attachment 2.

PPL Wallingford Cold Weather Activity 20 December - 21 December 2004

Run times 12/20

<u>Unit</u>	<u>On</u>	<u>Off</u>	<u>On</u>	<u>Off</u>	<u>On</u>	<u>Off</u>
1	0937	1049	1204	1318	1718	1914
2	1152	1305	1708	2046	-	-
3	0941	1049	1204	1319	1718	1914
4	1805	2045	-	-	-	-
5	0937	1049	1204	1319	1719	1913

Unavailabilities

<u>Unit</u>	<u>Unav</u>	<u>Avail</u>	<u>Cause</u>	<u>pILR#</u>	<u>Unav</u>	<u>Avail</u>	<u>Cause</u>	<u>pILR#</u>
1	12/20 @ 1600	12/20 @ 1700	Gas shortage	21850	12/20 @ 1914	12/21 @ 0900	Gas shortage	21853
2	12/20 @ 2300	12/21 @ 0700	Gas shortage	21856				
3	12/20 @ 1600	12/20 @ 1700	Gas shortage	21851	12/20 @ 1914	12/21 @ 1000	Gas shortage	21854
4	12/20 @ 2300	12/21 @ 0700	Gas shortage	21857				
5	12/20 @ 1600	12/21 @ 1700	Gas shortage	21852	12/20 @ 1913	12/21 @ 1000	Gas shortage	21855

ISO-NE Emergency Procedures

12/20 @ 1500 issued Master Satellite Procedure No. 2 for abnormal conditions, capacity shortage.

12/20 @ 2133 cancelled Master Satellite Procedure No. 2.

Rev_1 - Revised return of Unit 1 to 0900 hrs, 12/21

ISO-NE Five Highest Peak Demand Days 12/04 - 3/05

Date	Demand	Peak Hour
12/20/04	22297	19
1/18/05	21881	19
1/27/05	21258	19
12/21/04	21099	18
1/19/05	21092	18

Wallingford Operation on above noted ISO-NE peak demand days

Date	Hour	WFRD 1	WFRD 2	WFRD 3	WFRD 4	WFRD 5
20-Dec-04	1	0	0	0	0	0
20-Dec-04	2	0	0	0	0	0
20-Dec-04	3	0	0	0	0	0
20-Dec-04	4	0	0	0	0	0
20-Dec-04	5	0	0	0	0	0
20-Dec-04	6	0	0	0	0	0
20-Dec-04	7	0	0	0	0	0
20-Dec-04	8	0	0	0	0	0
20-Dec-04	9	0	0	0	0	0
20-Dec-04	10	18.23	0	15.22	0	18.33
20-Dec-04	11	36.49	0	35.84	0	37.65
20-Dec-04	12	0	4.6	0	0	0
20-Dec-04	13	45.46	48.3	43.97	0	45.93
20-Dec-04	14	12.1	2.5	11.91	0	12.57
20-Dec-04	15	0	0	0	0	0
20-Dec-04	16	0	0	0	0	0
20-Dec-04	17	0	0	0	0	0
20-Dec-04	18	33.96	40.1	32.87	0	33.69
20-Dec-04	19	48.78	48.39	48.52	44.52	49.7
20-Dec-04	20	9.01	47.82	8.45	48.97	8.34
20-Dec-04	21	0	35.17	0	34.25	0
20-Dec-04	22	0	0	0	0	0
20-Dec-04	23	0	0	0	0	0
20-Dec-04	24	0	0	0	0	0
21-Dec-04	1	0	0	0	0	0
21-Dec-04	2	0	0	0	0	0
21-Dec-04	3	0	0	0	0	0
21-Dec-04	4	0	0	0	0	0
21-Dec-04	5	0	0	0	0	0
21-Dec-04	6	0	0	0	0	0
21-Dec-04	7	0	0	0	0	0
21-Dec-04	8	0	0	0	0	0
21-Dec-04	9	0	0	0	0	0
21-Dec-04	10	0	0	0	0	0
21-Dec-04	11	0	0	0	0	0
21-Dec-04	12	0	0	0	0	0
21-Dec-04	13	0	0	0	0	0
21-Dec-04	14	0	0	0	0	0
21-Dec-04	15	0	0	0	0	0

21-Dec-04	16	0	0	0	0	0
21-Dec-04	17	0	0	0	0	0
21-Dec-04	18	0	0	0	0	0
21-Dec-04	19	0	0	0	0	0
21-Dec-04	20	0	0	0	0	0
21-Dec-04	21	0	0	0	0	0
21-Dec-04	22	0	0	0	0	0
21-Dec-04	23	0	0	0	0	0
21-Dec-04	24	0	0	0	0	0
18-Jan-05	1	0	0	0	0	0
18-Jan-05	2	0	0	0	0	0
18-Jan-05	3	0	0	0	0	0
18-Jan-05	4	0	0	0	0	0
18-Jan-05	5	0	0	0	0	0
18-Jan-05	6	0	0	0	0	0
18-Jan-05	7	0	0	0	0	0
18-Jan-05	8	43.04	0	0	0	0
18-Jan-05	9	11.92	0	0	0	0
18-Jan-05	10	0	0	0	0	0
18-Jan-05	11	0	0	0	0	0
18-Jan-05	12	0	0	0	0	0
18-Jan-05	13	0	0	0	0	0
18-Jan-05	14	0	0	0	0	0
18-Jan-05	15	0	0	0	0	0
18-Jan-05	16	0	0	0	0	0
18-Jan-05	17	4.16	0	0	0	0
18-Jan-05	18	47.83	0	0	0	0
18-Jan-05	19	47.83	0	0	0	0
18-Jan-05	20	47.81	0	0	0	0
18-Jan-05	21	4.97	0	0	0	0
18-Jan-05	22	0	0	0	0	0
18-Jan-05	23	0	0	0	0	0
18-Jan-05	24	0	0	0	0	0
19-Jan-05	1	0	0	0	0	0
19-Jan-05	2	0	0	0	0	0
19-Jan-05	3	0	0	0	0	0
19-Jan-05	4	0	0	0	0	0
19-Jan-05	5	0	0	0	0	0
19-Jan-05	6	0	0	0	0	0
19-Jan-05	7	35.84	0	0	0	0
19-Jan-05	8	49.06	0	0	0	0
19-Jan-05	9	48.56	0	0	0	0
19-Jan-05	10	0.29	0	0	0	0
19-Jan-05	11	0	0	0	0	0
19-Jan-05	12	0	0	0	0	0
19-Jan-05	13	0	0	0	0	0
19-Jan-05	14	0	0	0	0	0
19-Jan-05	15	0	0	0	0	0
19-Jan-05	16	1.93	0	0	0	0
19-Jan-05	17	47.67	0	3.31	0	3.39
19-Jan-05	18	47.74	0	47.46	0	49.68
19-Jan-05	19	47.74	0	47.48	0	49.67

19-Jan-05	20	7.05	0	47.5	0	49.71
19-Jan-05	21	0	0	2.34	0	2.33
19-Jan-05	22	0	0	0	0	0
19-Jan-05	23	0	0	0	0	0
19-Jan-05	24	0	0	0	0	0
27-Jan-05	1	0	0	0	0	0
27-Jan-05	2	0	0	0	0	0
27-Jan-05	3	0	0	0	0	0
27-Jan-05	4	0	0	0	0	0
27-Jan-05	5	0	0	0	0	0
27-Jan-05	6	0	0	0	0	0
27-Jan-05	7	0	0	0	0	0
27-Jan-05	8	0	0	0	0	0
27-Jan-05	9	21.6	0	0	0	0
27-Jan-05	10	47.16	0	0	0	0
27-Jan-05	11	0.31	0	0	0	0
27-Jan-05	12	0	0	0	0	0
27-Jan-05	13	0	0	0	0	0
27-Jan-05	14	0	0	0	0	0
27-Jan-05	15	0	0	0	0	0
27-Jan-05	16	0	0	0	0	0
27-Jan-05	17	0	0	0	0	0
27-Jan-05	18	0	0	0	0	0
27-Jan-05	19	0	0	0	0	0
27-Jan-05	20	0	0	0	0	0
27-Jan-05	21	0	0	0	0	0
27-Jan-05	22	0	0	0	0	0
27-Jan-05	23	0	0	0	0	0
27-Jan-05	24	0	0	0	0	0