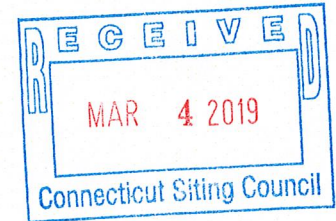




MILFORD POWER COMPANY, LLC
55 Shelland Street
Milford, CT 06461
203.647.1500

February 27, 2019

Mr. James J. Murphy, Jr.
Acting Chairman
Connecticut Siting Council
10 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 – Milford Power Company, LLC for the year 2018

Dear Ms. Roberts,

Pursuant to Section 16-50r of the Connecticut General Statutes, Milford Power Company, LLC submits the attached report of its ten-year forecast of loads and resources. In accordance with the Council's instructions, original and 20 copies are enclosed.

Sincerely,

A handwritten signature in blue ink, appearing to read "Thomas Padberg".

Thomas Padberg
Managing Director
Milford Power Company, LLC

Attachments:

REPORT OF FORECAST OF LOADS AND RESOURCES
MILFORD POWER COMPANY, LLC

Pursuant to the provisions of Section 16-50r of the General Statutes, Milford Power Company, LLC as a private power producer submits the following:

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

Milford Power Company, LLC is a 540 MW (nominal) electric generating facility located in Milford, Connecticut. The facility supplies electricity to the regional grid through two separate and independent 270 MW (nominal) combined cycle units. As a wholesale supplier of energy in New England, our projected load is intended to precisely balance our resources with no margin. Therefore, we expect loads and resources to be balanced at 540 MW over the Siting Council's study period.

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

Milford Power Company's sales of energy were as follows:

Year	Load, MW	Energy, MWhr
2013	540	3,748,080
2014	540	3,072,530
2015	540	3,488,446
2016	540	3,168,354
2017*	560	2,997,172
2018*	560	3,669,741

* An upgrade was performed to the facility and resulted in more MW output per unit

(3) A list of existing generating facilities in service

Milford Power Company, LLC has two units in operations at its facility in Milford, Connecticut

Milford Power Unit 1 280 MW (Nominal)

Milford Power Unit 2 280 MW (Nominal)

(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 requirement, and the location of such facilities**

None

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

Not Applicable

- (7) A description of the steps taken to upgrade the existing facilities and to eliminate overhead transmission and distribution lines in accordance with the regulations and standards described in Section 16-50t.**

Not Applicable

- (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, fuel consumed by the facility and the byproduct of the consumption.**

Not Applicable

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Generation Indexes
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MONTH	GENERATION MWh		STARTS		SERVICE HOURS	OUTAGE HOURS	RS HOURS	PERIOD HOURS	CAPACITY FACTOR (%)		OUTPUT FACTOR (%)		START RELIAB (%)	SERVICE HOURS/ START
	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
<u>ALL UNITS</u>														
Jan 2013	372,830	364,247	15	13	1,413.24	29.41	45.35	1,488	86.55	86.04	91.14	90.60	86.67	108.7
Feb 2013	357,406	349,494	3	3	1,328.29	10.55	5.16	1,344	91.86	91.40	92.94	92.48	100.00	442.7
Mar 2013	384,918	376,179	2	2	1,475.88	10.12	0.00	1,486	89.48	88.98	90.09	89.60	100.00	737.9
Apr 2013	345,173	336,881	7	7	1,381.24	1.62	57.14	1,440	82.80	82.23	86.30	85.70	100.00	197.3
May 2013	255,136	248,225	20	20	1,089.45	288.67	109.88	1,488	59.23	58.64	80.93	80.13	100.00	54.4
Jun 2013	293,596	285,900	36	28	1,216.93	63.18	159.89	1,440	78.87	78.32	93.34	92.68	77.78	43.4
Jul 2013	347,829	339,057	7	7	1,426.75	11.30	49.95	1,488	90.43	89.89	94.31	93.74	100.00	203.8
Aug 2013	276,212	268,512	40	40	1,147.78	55.35	284.87	1,488	71.81	71.18	93.10	92.29	100.00	28.6
Sep 2013	274,392	267,009	39	39	1,134.74	78.77	226.49	1,440	73.71	73.15	93.54	92.82	100.00	29.1
Oct 2013	198,026	192,484	31	30	821.21	544.79	122.00	1,488	45.97	45.47	83.56	82.65	96.77	27.3
Nov 2013	354,413	346,132	3	3	1,376.77	43.30	21.93	1,442	84.90	84.37	88.89	88.34	100.00	458.9
Dec 2013	382,661	373,960	3	3	1,474.93	0.00	13.07	1,488	88.83	88.34	89.63	89.13	100.00	491.6
2013	3,842,592	3,748,080	206	195	15,287.21	1,137.06	1,095.73	17,520	78.57	78.04	89.94	89.33	94.66	78.4

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MONTH	GENERATION MWh		STARTS		SERVICE HOURS	OUTAGE HOURS	RS HOURS	PERIOD HOURS	CAPACITY FACTOR (%)		OUTPUT FACTOR (%)		START RELIAB (%)	SERVICE HOURS/ START
	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
<u>ALL UNITS</u>														
Jan 2014	236,093	229,989	38	35	964.76	105.96	417.28	1,488	54.81	54.33	84.52	83.79	92.11	27.5
Feb 2014	270,509	263,810	35	35	1,051.50	16.94	275.56	1,344	69.52	68.99	88.88	88.20	100.00	30.0
Mar 2014	311,176	303,551	25	25	1,229.57	27.44	228.99	1,486	72.33	71.80	87.37	86.73	100.00	49.1
Apr 2014	328,551	320,689	2	2	1,310.18	122.23	7.59	1,440	78.81	78.28	86.55	85.96	100.00	655.0
May 2014	119,224	115,462	12	12	540.26	916.85	30.89	1,488	27.68	27.27	75.75	74.64	100.00	45.0
Jun 2014	246,461	239,370	31	31	1,110.00	219.70	110.30	1,440	66.21	65.57	85.92	85.10	100.00	35.8
Jul 2014	266,063	258,553	32	32	1,128.72	192.95	166.33	1,488	69.17	68.54	91.20	90.38	100.00	35.2
Aug 2014	234,429	227,397	58	57	980.77	136.39	370.84	1,488	60.95	60.28	92.48	91.48	98.28	17.2
Sep 2014	233,129	226,762	24	23	949.94	350.45	139.61	1,440	62.63	62.12	94.92	94.15	95.83	41.3
Oct 2014	242,268	235,862	18	17	1,009.40	398.85	79.75	1,488	56.24	55.72	82.93	82.16	94.44	59.3
Nov 2014	359,437	351,095	9	8	1,389.50	6.83	45.67	1,442	86.10	85.58	89.36	88.82	88.89	173.6
Dec 2014	307,630	299,990	19	17	1,238.30	160.42	89.28	1,488	71.41	70.86	85.73	85.07	89.47	72.8
2014	3,154,970	3,072,530	303	294	12,902.90	2,655.01	1,962.09	17,520	64.51	63.97	87.45	86.72	97.03	43.8

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Generation Indexes
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MONTH	GENERATION MWh		STARTS		SERVICE HOURS	OUTAGE HOURS	RS HOURS	PERIOD HOURS	CAPACITY FACTOR (%)		OUTPUT FACTOR (%)		START RELIAB (%)	SERVICE HOURS/ START
	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
<u>ALL UNITS</u>														
Jan 2015	366,688	358,222	18	17	1,392.51	0.50	94.99	1,488	85.12	84.62	90.96	90.42	94.44	81.9
Feb 2015	289,936	283,090	28	23	1,094.85	68.90	180.25	1,344	74.52	74.04	91.49	90.90	82.14	47.6
Mar 2015	342,165	334,311	3	3	1,281.23	190.52	14.25	1,486	79.54	79.08	92.24	91.71	100.00	427.0
Apr 2015	211,888	206,421	13	13	899.96	348.10	191.94	1,440	50.83	50.39	81.50	80.79	100.00	69.2
May 2015	275,407	267,986	23	23	1,176.43	51.21	260.35	1,488	63.93	63.30	80.82	80.02	100.00	51.1
Jun 2015	190,071	184,631	21	18	849.85	1.92	588.24	1,440	45.59	45.07	77.48	76.58	85.71	47.2
Jul 2015	253,263	246,314	23	23	1,068.66	1.32	418.02	1,488	58.79	58.18	81.90	81.05	100.00	46.4
Aug 2015	308,712	300,668	17	16	1,288.13	6.05	193.82	1,488	71.66	71.02	82.80	82.06	94.12	80.5
Sep 2015	332,147	323,802	6	5	1,403.07	4.08	32.85	1,440	79.67	79.04	81.79	81.14	83.33	280.6
Oct 2015	347,994	339,741	3	2	1,382.85	94.32	10.83	1,488	80.78	80.25	86.98	86.41	66.67	691.4
Nov 2015	343,597	335,354	2	2	1,407.03	0.00	34.97	1,442	82.31	81.74	84.37	83.79	100.00	703.5
Dec 2015	315,791	307,906	5	4	1,301.83	44.50	141.67	1,488	73.31	72.73	83.81	83.15	80.00	325.4
2015	3,577,659	3,488,446	162	149	14,546.40	811.42	2,162.18	17,520	70.54	69.99	84.99	84.33	91.98	97.6

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MONTH	GENERATION MWh		STARTS		SERVICE HOURS	OUTAGE HOURS	RS HOURS	PERIOD HOURS	CAPACITY FACTOR (%)		OUTPUT FACTOR (%)		START RELIAB (%)	SERVICE HOURS/ START
	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
<u>ALL UNITS</u>														
Jan 2016	265,951	259,477	5	5	1,068.25	367.07	52.68	1,488	61.76	61.32	86.25	85.63	100.00	213.6
Feb 2016	234,038	228,132	6	6	1,007.28	360.51	24.20	1,392	58.10	57.63	80.61	79.96	100.00	167.8
Mar 2016	188,847	183,471	10	9	818.18	19.30	648.52	1,486	43.91	43.41	79.82	78.91	90.00	90.9
Apr 2016	330,637	322,647	4	4	1,321.82	91.68	26.50	1,440	79.34	78.78	86.50	85.90	100.00	330.4
May 2016	249,106	242,434	7	7	1,076.44	162.02	249.55	1,488	57.85	57.29	79.80	79.02	100.00	153.7
Jun 2016	243,279	236,629	10	8	1,052.38	22.90	364.72	1,440	58.38	57.78	79.76	78.94	80.00	131.5
Jul 2016	240,678	233,999	11	8	1,023.60	287.83	176.56	1,488	55.89	55.29	81.31	80.45	72.73	127.9
Aug 2016	359,797	350,874	1	1	1,484.17	0.00	3.83	1,488	83.55	82.91	83.77	83.12	100.00	1,484.1
Sep 2016	289,107	281,503	12	11	1,224.62	35.58	179.82	1,440	69.37	68.74	81.53	80.79	91.67	111.3
Oct 2016	276,869	269,557	6	6	1,155.03	77.35	255.62	1,488	64.29	63.70	82.84	82.07	100.00	192.5
Nov 2016	216,697	210,299	19	19	923.40	77.12	441.48	1,442	51.93	51.28	80.76	79.75	100.00	48.6
Dec 2016	357,841	349,332	4	3	1,396.98	1.60	89.42	1,488	83.10	82.55	88.50	87.91	75.00	465.6
2016	3,252,847	3,168,354	95	87	13,552.15	1,502.96	2,512.90	17,568	63.98	63.41	82.94	82.21	91.58	155.7

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	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
<u>ALL UNITS</u>														
Jan 2017	362,368	353,627	6	6	1,460.17	0.00	27.83	1,488	84.15	83.56	85.77	85.17	100.00	243.3
Feb 2017	308,320	300,666	7	7	1,265.88	0.00	78.12	1,344	79.27	78.66	84.17	83.53	100.00	180.8
Mar 2017	224,691	219,023	7	6	883.68	434.43	167.88	1,486	52.25	51.83	88.23	87.53	85.71	147.2
Apr 2017	178,782	174,002	7	7	756.40	672.05	11.55	1,440	42.90	42.49	81.95	81.17	100.00	108.0
May 2017	139,503	135,580	14	14	619.93	751.23	116.83	1,488	32.40	32.04	76.96	76.10	100.00	44.2
Jun 2017	210,739	204,566	35	35	956.15	312.64	171.20	1,440	50.57	49.95	75.92	74.99	100.00	27.3
Jul 2017	217,934	211,262	41	41	996.21	131.79	360.00	1,488	49.26	48.57	73.90	72.87	100.00	24.3
Aug 2017	244,928	237,729	47	44	1,069.29	4.85	413.86	1,488	55.37	54.66	77.31	76.32	93.62	24.3
Sep 2017	235,160	228,350	41	41	1,026.98	50.80	362.22	1,440	54.93	54.25	77.34	76.39	100.00	25.0
Oct 2017	287,390	279,681	31	31	1,265.80	31.25	190.95	1,488	64.96	64.30	76.45	75.67	100.00	40.8
Nov 2017	282,716	275,487	24	24	1,170.34	43.00	228.66	1,442	65.95	65.36	81.43	80.71	100.00	48.7
Dec 2017	386,052	377,199	6	6	1,453.70	5.32	28.99	1,488	87.27	86.72	89.39	88.83	100.00	242.2
2017	3,078,583	2,997,172	266	262	12,924.53	2,437.36	2,158.09	17,520	59.89	59.32	81.20	80.43	98.50	49.3

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MONTH	GENERATION MWh		STARTS		SERVICE HOURS	OUTAGE HOURS	RS HOURS	PERIOD HOURS	CAPACITY FACTOR (%)		OUTPUT FACTOR (%)		START RELIAB (%)	SERVICE HOURS/ START
	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
ALL UNITS														
Jan 2018	343,912	335,802	6	6	1,349.37	19.43	119.20	1,488	77.64	77.11	85.57	84.98	100.00	224.9
Feb 2018	283,763	276,726	10	6	1,130.12	152.35	61.53	1,344	70.93	70.35	84.25	83.56	60.00	188.3
Mar 2018	346,876	338,508	7	6	1,392.99	35.00	58.01	1,466	78.42	77.83	83.61	82.98	85.71	232.1
Apr 2018	333,463	325,377	5	5	1,325.72	84.88	29.40	1,440	77.79	77.20	84.56	83.93	100.00	265.1
May 2018	201,278	195,426	28	28	919.72	378.33	189.95	1,488	45.44	44.87	73.29	72.37	100.00	32.8
Jun 2018	238,813	231,809	53	52	1,067.12	23.85	349.03	1,440	55.71	55.00	75.17	74.21	98.11	20.5
Jul 2018	307,724	299,643	16	15	1,282.60	128.07	77.33	1,488	69.47	68.80	80.54	79.77	93.75	85.5
Aug 2018	352,660	343,860	3	3	1,473.92	0.00	14.08	1,488	79.62	78.96	80.38	79.71	100.00	491.3
Sep 2018	314,482	306,418	6	6	1,359.20	35.85	44.95	1,440	73.36	72.70	77.68	76.98	100.00	226.5
Oct 2018	358,583	349,966	3	3	1,449.56	26.86	11.58	1,488	80.95	80.36	83.09	82.48	100.00	483.1
Nov 2018	322,960	315,177	9	9	1,287.82	113.23	40.95	1,442	75.24	74.68	84.30	83.67	100.00	143.0
Dec 2018	359,606	351,029	1	1	1,478.28	5.40	4.32	1,488	81.19	80.60	81.71	81.13	100.00	1,478.2
2018	3,764,120	3,669,741	147	140	15,516.42	1,003.25	1,000.33	17,520	72.17	71.57	81.46	80.78	95.24	110.8

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	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		
<u>ALL UNITS</u>														
Totals for all specified time periods														
TOTALS	20,670,771	20,144,323	1,179	1,127	84,729.61	9,547.06	10,891.32	105,168	68.24	67.67	84.64	83.94	95.59	75.1

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	GROSS	NET	ATT	ACT					GROSS	NET	GROSS	NET		

January 2013 Through December 2018

Custom Selection
Milford 1
Milford 2