



May 18, 2016

CLIFTON BELOW
25 PERLEY AVE
LEBANON, NH 03766

Re: Net Metering Customer, Acct: 44627617-44320785

Dear CLIFTON BELOW:

Our billing records indicate that, as of your March 2016 bill, you had accumulated a net surplus of 7140 kWh. New Hampshire Public Utility Commission ("NH PUC") rules regarding net metering require the Company to notify any default service customer who has accumulated a surplus in excess of 600 kWh at the end of their March billing cycle that they have the option to either 1) receive a bill credit equal to the economic value of the surplus, or 2) receive a payment by check of the economic value of the surplus.

If you do not choose either of the above two options, any additional net surplus will continue to accumulate and appear on your monthly bill.

The economic value of your net surplus is \$247.56. This value is based upon your net surplus kWh of 7140 and estimated capacity of 0.704 and the following avoided capacity and energy costs as determined by the NH PUC and posted on their website:

Avoided Capacity (PV Units): \$3.112 per kW-Month
Avoided Energy (PV Units): \$30.99 per MWH

If you choose to receive either a bill credit or a check in the amount indicated above, please contact, in writing, by July 1, 2016:

Joanne lovino
15 Buttrick Rd
Londonderry, NH 03053

For information related to NH PUC net metering rules, please visit the NH PUC website at <http://www.puc.state.nh.us/Regulatory/Rules/PUC900.pdf>

If we do not hear from you by July 1st, any additional net surplus will continue to accumulate and appear on your monthly bill.

Sincerely,

Nicole Harris
Manager Billing & Collections

3.3.2 New Hampshire Load Zone Wholesale Load Cost Components, Last 13 Months

Component (All Hours)	MAR2015	APR2015	MAY2015	JUN2015	JUL2015	AUG2015	SEP2015	OCT2015	NOV2015	DEC2015	JAN2016	FEB2016	MAR2016
Total Wholesale Rate (\$/MWh)	\$67.71	\$34.07	\$34.47	\$27.68	\$32.92	\$42.99	\$43.00	\$41.14	\$35.02	\$29.78	\$43.40	\$33.13	\$24.29
Energy	\$56.71	\$25.54	\$26.11	\$19.53	\$25.28	\$35.41	\$34.79	\$32.87	\$26.08	\$21.18	\$33.57	\$26.42	\$17.03
Capacity	\$4.09	\$4.22	\$4.09	\$4.49	\$4.35	\$4.35	\$4.44	\$4.26	\$4.40	\$4.26	\$4.35	\$4.65	\$4.36
NGPC	\$5.45	\$2.47	\$1.96	\$2.40	\$2.21	\$1.88	\$2.21	\$3.14	\$2.53	\$3.26	\$4.56	\$1.04	\$1.74
Ancillary Markets	\$1.33	\$1.39	\$1.80	\$0.69	\$0.59	\$0.86	\$1.02	\$0.54	\$0.61	\$0.57	\$0.58	\$0.57	\$0.59
Misc Credit/Charge	(\$0.61)	(\$0.29)	(\$0.23)	(\$0.18)	(\$0.24)	(\$0.25)	(\$0.29)	(\$0.42)	(\$0.35)	(\$0.23)	(\$0.39)	(\$0.35)	(\$0.21)
Wholesale Mkt Service Charge	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.80	\$0.78
RTLO (MWh)	(995,137)	(861,399)	(906,909)	(928,604)	(1,082,157)	(1,093,990)	(970,652)	(893,743)	(892,987)	(963,817)	(1,038,539)	(951,575)	(937,435)
Total Cost	\$67,380,342	\$29,350,530	\$31,260,684	\$25,707,834	\$35,625,364	\$47,034,036	\$41,736,272	\$36,765,565	\$31,271,603	\$28,700,635	\$45,076,349	\$31,528,899	\$22,774,055

Component (On Peak)	MAR2015	APR2015	MAY2015	JUN2015	JUL2015	AUG2015	SEP2015	OCT2015	NOV2015	DEC2015	JAN2016	FEB2016	MAR2016
Total Wholesale Rate (\$/MWh)	\$71.33	\$40.95	\$38.65	\$32.91	\$41.62	\$53.68	\$56.16	\$46.86	\$42.80	\$37.16	\$51.12	\$37.06	\$27.40
Energy	\$58.53	\$31.28	\$29.21	\$24.21	\$33.33	\$45.37	\$46.80	\$38.01	\$33.18	\$28.22	\$40.76	\$29.82	\$19.85
Capacity	\$4.09	\$4.22	\$4.09	\$4.49	\$4.35	\$4.35	\$4.44	\$4.26	\$4.40	\$4.26	\$4.35	\$4.65	\$4.36
NGPC	\$6.11	\$2.34	\$1.83	\$2.54	\$2.44	\$2.14	\$2.76	\$3.42	\$3.73	\$3.23	\$4.74	\$1.20	\$1.70
Ancillary Markets	\$2.53	\$2.69	\$3.07	\$1.14	\$1.07	\$1.41	\$1.80	\$0.92	\$1.14	\$0.97	\$1.00	\$0.95	\$0.93
Misc Credit/Charge	(\$0.67)	(\$0.33)	(\$0.29)	(\$0.22)	(\$0.31)	(\$0.34)	(\$0.38)	(\$0.49)	(\$0.40)	(\$0.26)	(\$0.47)	(\$0.37)	(\$0.22)
Wholesale Mkt Service Charge	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.80	\$0.78
RTLO (MWh)	(518,487)	(473,333)	(450,752)	(522,024)	(620,226)	(576,717)	(526,350)	(478,584)	(448,768)	(515,658)	(505,140)	(506,599)	(516,202)
Total Cost	\$36,985,673	\$19,383,444	\$17,422,178	\$17,178,463	\$25,813,188	\$30,957,477	\$29,558,244	\$22,425,765	\$19,205,358	\$19,159,636	\$25,825,249	\$18,772,599	\$14,145,496

Component (Off Peak)	MAR2015	APR2015	MAY2015	JUN2015	JUL2015	AUG2015	SEP2015	OCT2015	NOV2015	DEC2015	JAN2016	FEB2016	MAR2016
Total Wholesale Rate (\$/MWh)	\$64.45	\$27.49	\$31.31	\$22.69	\$24.41	\$34.19	\$31.48	\$36.00	\$28.81	\$23.15	\$37.58	\$29.47	\$21.24
Energy	\$55.07	\$20.04	\$23.76	\$15.06	\$17.39	\$27.20	\$24.29	\$28.25	\$20.41	\$14.86	\$28.15	\$23.25	\$14.25
Capacity	\$4.09	\$4.22	\$4.09	\$4.49	\$4.35	\$4.35	\$4.44	\$4.26	\$4.40	\$4.26	\$4.35	\$4.65	\$4.36
NGPC	\$4.85	\$2.59	\$2.06	\$2.28	\$1.98	\$1.67	\$1.87	\$2.89	\$3.36	\$3.27	\$4.42	\$0.90	\$1.78
Ancillary Markets	\$0.24	\$0.14	\$0.85	\$0.25	\$0.11	\$0.41	\$0.34	\$0.21	\$0.19	\$0.22	\$0.26	\$0.22	\$0.26
Misc Credit/Charge	(\$0.55)	(\$0.25)	(\$0.19)	(\$0.14)	(\$0.17)	(\$0.17)	(\$0.21)	(\$0.36)	(\$0.30)	(\$0.19)	(\$0.34)	(\$0.34)	(\$0.19)
Wholesale Mkt Service Charge	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.80	\$0.78
RTLO (MWh)	(476,650)	(388,066)	(456,157)	(406,579)	(461,931)	(517,273)	(444,301)	(415,160)	(444,219)	(448,159)	(533,399)	(444,975)	(421,233)
Total Cost	\$30,718,605	\$10,669,611	\$14,283,781	\$9,224,675	\$11,274,578	\$17,687,231	\$13,988,521	\$14,945,125	\$12,799,450	\$10,376,355	\$20,043,163	\$13,114,395	\$8,948,251

EXHIBIT 3

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	NH Wholesale Load Costs from ISO-NE Monthly Wholesale Load Cost Report, March 2016, (April 11, 2016), Table 3.3.2 on p. 15. http://www.iso-ne.com/static-assets/documents/2016/04/2016_03_wlc.pdf																
2	With calculations added (Columns O-P and Lines 1-2, 11,15-19, 28, 31, 41 and 44) by Clifton Below, 6/16/16																
3	Component (All Hours)	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	12 MO.		
4	Total Wholesale Rate (\$/MWh)	\$67.71	\$34.07	\$34.47	\$27.68	\$32.92	\$42.99	\$43.00	\$41.14	\$35.02	\$29.78	\$43.40	\$33.13	\$24.29	\$35.16		
5	Energy	\$56.71	\$25.54	\$26.11	\$19.53	\$25.28	\$35.41	\$34.79	\$32.87	\$26.08	\$21.18	\$33.57	\$26.42	\$17.03	\$26.98		
6	Capacity	\$4.09	\$4.22	\$4.09	\$4.49	\$4.35	\$4.44	\$4.44	\$4.26	\$4.40	\$4.26	\$4.35	\$4.65	\$4.36	\$4.35		
7	NCPC	\$5.45	\$2.47	\$1.96	\$2.40	\$2.21	\$1.88	\$2.28	\$3.14	\$3.53	\$3.26	\$4.56	\$1.04	\$1.74			
8	Ancillary Markets	\$1.33	\$1.39	\$1.80	\$0.69	\$0.59	\$0.86	\$1.02	\$0.54	\$0.61	\$0.57	\$0.58	\$0.57	\$0.59			
9	Misc Credit/Charge	(\$0.61)	(\$0.29)	(\$0.23)	(\$0.18)	(\$0.24)	(\$0.25)	(\$0.29)	(\$0.42)	(\$0.35)	(\$0.23)	(\$0.39)	(\$0.35)	(\$0.21)			
10	Wholesale Mkt. Service Charge	\$0.74	\$0.74	\$0.74	\$0.75	\$0.74	\$0.74	\$3.76	\$4.00	\$4.54	\$4.34	\$5.49	\$2.06	\$2.90	\$3.82		
11	ST Other than Energy & Capacity	-995,137	\$4.32	\$4.27	\$3.66	\$3.30	\$3.23	\$3.76	\$4.00	\$4.54	\$4.34	\$5.49	\$2.06	\$2.90	\$3.82		
12	RTLO (MWh)	\$67,380,342	-861,399	-906,909	-928,604	-1,082,157	-1,093,990	-970,652	-893,743	-892,987	-963,817	-1,038,539	-951,575	-937,435	-11,521,807		
13	Total Cost		\$29,350,530	\$31,260,684	\$25,707,834	\$35,625,364	\$47,034,036	\$41,736,272	\$36,765,565	\$31,271,603	\$28,700,635	\$45,076,349	\$31,528,899	\$22,774,055			
14																	
15	Load Weighted AVE TOTAL COST		\$2,547	\$2,713	\$2,231	\$3,092	\$4,082	\$3,623	\$3,191	\$2,714	\$2,491	\$3,912	\$2,736	\$1,976	\$35.31	100%	
16	Load Weighted AVE Energy Cost		\$1,909	\$2,055	\$1,574	\$2,374	\$3,362	\$2,931	\$2,550	\$2,021	\$1,772	\$3,026	\$2,182	\$1,386	\$27.14	77%	\$27.14
17	Load Weighted AVE Capacity Cost		\$0.315	\$0.322	\$0.362	\$0.409	\$0.413	\$0.374	\$0.330	\$0.341	\$0.356	\$0.392	\$0.384	\$0.355	\$4.35	12%	
18	Load Weighted AVE ST Ancillary Svcs. & Chrgs.		\$0.323	\$0.336	\$0.295	\$0.310	\$0.307	\$0.317	\$0.310	\$0.352	\$0.363	\$0.495	\$0.170	\$0.236	\$3.81	11%	\$3.81
19															\$35.31		\$30.96
20	Component (On Peak)	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16			
21	Total Wholesale Rate (\$/MWh)	\$71.33	\$40.95	\$38.65	\$32.91	\$41.62	\$53.68	\$56.16	\$46.86	\$42.80	\$37.16	\$51.12	\$37.06	\$27.40	\$42.20		
22	Energy	\$58.53	\$31.28	\$29.21	\$24.21	\$33.33	\$45.37	\$46.80	\$38.01	\$33.18	\$28.22	\$40.76	\$29.82	\$19.85	\$33.34		
23	Capacity	\$4.09	\$4.22	\$4.09	\$4.49	\$4.35	\$4.44	\$4.44	\$4.26	\$4.40	\$4.26	\$4.35	\$4.65	\$4.36	\$4.35		
24	NCPC	\$6.11	\$2.34	\$1.83	\$2.54	\$2.44	\$2.14	\$2.76	\$3.42	\$3.73	\$3.23	\$4.74	\$1.20	\$1.70			
25	Ancillary Markets	\$2.53	\$2.69	\$3.07	\$1.14	\$1.07	\$1.41	\$1.80	\$0.92	\$1.14	\$0.97	\$1.00	\$0.95	\$0.93			
26	Misc Credit/Charge	(\$0.67)	(\$0.33)	(\$0.29)	(\$0.22)	(\$0.31)	(\$0.34)	(\$0.38)	(\$0.49)	(\$0.40)	(\$0.26)	(\$0.37)	(\$0.37)	(\$0.22)			
27	Wholesale Mkt. Service Charge	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.80	\$0.78			
28	ST Other than Energy & Capacity		\$5.45	\$5.35	\$4.21	\$3.94	\$3.95	\$4.93	\$4.59	\$5.22	\$4.68	\$6.01	\$2.58	\$3.19	\$4.51		
29	RTLO (MWh)	-518,487	-473,333	-450,752	-522,024	-620,226	-576,717	-526,350	-478,584	-448,768	-515,658	-505,140	-506,599	-516,202	-6,140,353		
30	Total Cost	\$36,985,673	\$19,383,444	\$17,422,178	\$17,178,463	\$25,813,188	\$30,957,477	\$29,558,244	\$22,425,765	\$19,205,358	\$19,159,636	\$25,825,249	\$18,772,599	\$14,145,496			
31	Load Weighted AVE ST Ancillary Svcs & Charges		\$0.420	\$0.393	\$0.358	\$0.398	\$0.371	\$0.423	\$0.358	\$0.382	\$0.393	\$0.494	\$0.213	\$0.268	\$4.47		
32																	
33	Component (Off Peak)	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16			
34	Total Wholesale Rate (\$/MWh)	\$64.45	\$27.49	\$31.31	\$22.69	\$24.41	\$34.19	\$31.48	\$36.00	\$28.81	\$23.15	\$37.58	\$29.47	\$21.24	\$28.99		
35	Energy	\$55.07	\$20.04	\$23.76	\$15.06	\$17.39	\$27.20	\$24.29	\$28.25	\$20.41	\$14.86	\$28.15	\$23.25	\$14.25	\$21.41		
36	Capacity	\$4.09	\$4.22	\$4.09	\$4.49	\$4.35	\$4.44	\$4.44	\$4.26	\$4.40	\$4.26	\$4.35	\$4.65	\$4.36	\$4.35		
37	NCPC	\$4.85	\$2.59	\$2.06	\$2.28	\$1.98	\$1.67	\$1.87	\$2.89	\$3.36	\$3.27	\$4.42	\$0.90	\$1.78			
38	Ancillary Markets	\$0.24	\$0.14	\$0.85	\$0.25	\$0.11	\$0.41	\$0.34	\$0.21	\$0.19	\$0.22	\$0.26	\$0.22	\$0.26			
39	Misc Credit/Charge	(\$0.55)	(\$0.25)	(\$0.19)	(\$0.14)	(\$0.17)	(\$0.17)	(\$0.21)	(\$0.36)	(\$0.30)	(\$0.19)	(\$0.34)	(\$0.34)	(\$0.19)			
40	Wholesale Mkt. Service Charge	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.75	\$0.74	\$0.75	\$0.74	\$0.74	\$0.80	\$0.78			
41	ST Other than Energy & Capacity		\$3.23	\$3.46	\$3.14	\$2.66	\$2.65	\$2.75	\$3.48	\$4.00	\$4.04	\$5.08	\$1.58	\$2.63	\$3.23		
42	RTLO (MWh)	-476,650	-388,066	-456,157	-406,579	-461,931	-517,273	-444,301	-415,160	-444,219	-448,159	-533,399	-444,975	-421,233	-5,381,452		
43	Total Cost	\$30,718,605	\$10,669,611	\$14,283,781	\$9,224,675	\$11,274,578	\$17,687,231	\$13,988,521	\$14,945,125	\$12,799,450	\$10,376,355	\$20,043,163	\$13,114,395	\$8,948,251			
44	Load Weighted AVE ST Ancillary Svcs & Charges		\$0.233	\$0.293	\$0.237	\$0.228	\$0.255	\$0.227	\$0.268	\$0.330	\$0.336	\$0.504	\$0.131	\$0.206	\$3.25		

EXHIBIT 3

EXHIBIT 4.1

EXHIBIT 4.1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	LINES 3-15 per NHPUC FINAL AVOIDED COST CALCULATION																	
2	LINES 16-28 added by C. Below 6/5/15 to show calculations & comparisons																	
3																		
4																		
5																		
6																		
7																		
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15																		
16																		
17	Conversion of Capacity Avoided Cost as a % of total to kWh																	
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19																		
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25																		
26																		
27																		
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15

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	LINES 3-15 per NHPUC FINAL AVOIDED COST CALCULATION																	
2	LINES 16-28 added by C. Below 6/5/15 to show calculations & comparisons																	
3																		
4																		
5	Avoided Energy Cost (All but Solar PV)																	
6						\$	31.81	MWh						(See "AC calc (4)" tab)				
7	Avoided Energy Cost (Solar PV)																	
8						\$	33.89	MWh						(See "AC calc (4)" tab)				
9	Avoided Capacity Costs																	
10						\$	3.112	kW-month						(See "Capacity" tab)				
11	Portion of Surplus Generation During Peak Hour																	
12						0.011416%								(See "Capacity" tab)				
13	(All but Solar PV)																	
14	Portion of Surplus Generation During Peak Hour																	
15						0.009853%								(See "Capacity" tab)				
16	(Solar PV)																	
17	Conversion of Capacity Avoided Cost as a % of total to kWh																	
18			% kWh at pk.	MWh														
19	1000	x	0.011416%	0.114155	x	\$	3.112	kW-month										
20																		
21	1000	x	0.009853%	0.09853	x	\$	3.112	kW-month										
22	PV/ Non-PV =																	
23																		
24																		
25	Surplus Generation Valuation Example assuming																	
26						7.140	MWh of Surplus Generation											
27	7.140	x	0.009853%	0.703506	x	\$	3.112	kW-month										
28																		

USING Load Weighted Annual Average HOURLY ANCILLARY SERVICES CHARGES DATA

Relevant Rule(s)

Puc 903.02 (i)(2) & (i)(6) a.

Puc 903.02 (i)(2) & (i)(7) b.

Puc 903.02 (i)(3)

Puc 903.02 (i)(6) b.

Puc 903.02 (i)(7) c.

Total Avoided Energy & Capacity Costs for Surplus Generation

/MWh \$ 36.07 \$ 0.03607 Total Non-PV

104.2% = PV/ Non-PV

7.140 X \$ 241.98 \$ 268.25 =

\$ 26.27 \$ 268.25

EXHIBIT 5.2

EXHIBIT 5.2

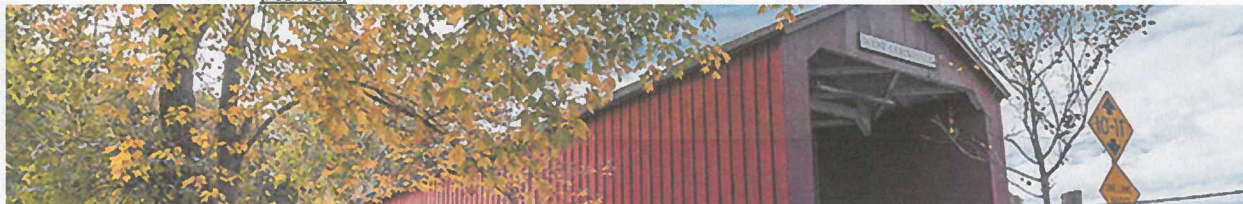
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	LINES 3-15 per NHPUC FINAL AVOIDED COST CALCULATION																	
2	LINES 16-28 added by C. Below 6/5/15 to show calculations & comparisons																	
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16																		
17	Conversion of Capacity Avoided Cost as a % of total to kWh																	
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22																		
23																		
24																		
25	Surplus Generation Valuation Example assuming																	
26																		
27																		
28																		

4-15-2014 Avoided Costs

Avoided Cost Calculation for Puc 900 4-15-2014_Final version-r.xlsx



(/content)



ELECTRIC INFORMATION FOR SUPPLIERS & AGGREGATORS

Eversource welcomes the competitive electric market as well as the opportunity to meet and support energy suppliers and aggregators.

Following is information for energy suppliers and aggregators in order to facilitate participation in the competitive energy market.

LOAD SHAPE PROFILES

The methodology used to estimate supplier loads is described in the Terms and Conditions for Energy Service Providers section of the currently effective Electric Delivery Service Tariff (/Content/docs/default-source/nh---pdfs/electric-delivery-service-tariff2386960f1b5267e39dbdff0000e2e88e.pdf?sfvrsn=0). In compliance with the terms and conditions, Eversource is providing the hourly load shapes for various customer classes which are used to estimate these supplier loads.

To download the average hourly data for a specific customer class, select the MS Excel file format and save the file to your hard drive. Once the file is saved, it can be imported into most spreadsheet programs.

Rate Type	Adobe PDF	Microsoft Excel
Residential Service (Rate R)	PDF (/Content/docs/default-source/nh---pdfs/rate_r.pdf?sfvrsn=0)	Excel (/Content/docs/default-source/nh---pdfs/rate_r9d49940f1b5267e39dbdff0000e2e88e.xlsx?sfvrsn=0)
General Service (Rate G)	PDF (/Content/docs/default-source/nh---pdfs/rate_g.pdf?sfvrsn=0)	Excel (/Content/docs/default-source/nh---pdfs/rate_gb649940f1b5267e39dbdff0000e2e88e.xlsx?sfvrsn=0)
Primary General Service (Rate GV)	PDF (/Content/docs/default-source/nh---pdfs/rate_gv.pdf?sfvrsn=0)	Excel (/Content/docs/default-source/nh---pdfs/rate_gvc349940f1b5267e39dbdff0000e2e88e.xlsx?sfvrsn=0)
Large General Service (Rate LG)	PDF (/Content/docs/default-source/nh---pdfs/rate_lg.pdf?sfvrsn=0)	Excel (/Content/docs/default-source/nh---pdfs/rate_lgd049940f1b5267e39dbdff0000e2e88e.xlsx?sfvrsn=0)
Outdoor Lighting Service (Rate OL & EOL)	PDF (/Content/docs/default-source/nh---pdfs/rate_ol.pdf?sfvrsn=0)	Excel (/Content/docs/default-source/nh---pdfs/rate_oldd49940f1b5267e39dbdff0000e2e88e.xlsx?sfvrsn=0)

LOSS FACTORS

The loss factors below are utilized to calculate losses, which will then be added to actual or estimated load to arrive at total supplier assigned load. The loss factors below do not include transmission losses.

Rate Type	Loss Factors
Rate R - Residential	7.75%
Rate G - Small Commercial, < 100KW	7.75%
Rate GV - Customers between 100 KW - 1000 KW	6.31%
Rate LG - Customers > 1000 KW	4.42%
Rate OL & EOL - Outdoor Lighting	7.72%

CAPACITY UNACCOUNTED FOR ENERGY (UFE) INFORMATION

This daily Unaccounted for Energy (UFE) value reflects the difference between the day's sum of the individual Eversource customer coincident peak capacity values (inclusive of non-Pool Transmission Facility losses) and the total Eversource system peak load for the applicable capability year.

Effective May 15, 2016, the value is 1,051.05

This training session is required and can be arranged by contacting PSNH's [supplier contact personnel](#) who provide this training for suppliers interested in energy supply services in New Hampshire.

Load Profiles

[Class Average Load Profiles \(Excel\)](#) 

Distribution System Loss Factors

Rate Class	Distribution Loss Factor
G2	6.392%
OL	6.468%
D	6.468%
G1	4.591%

Forms

 [New Hampshire Interval Data Request Form](#)

 [ISO New England Load Asset Registration Form for New Hampshire \(Excel\)](#)

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Manage Your Account

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Lights Out?

When an outage occurs, we keep you informed—and restore power quickly and safely. [Watch How →](#)

EXHIBIT 8

	A	B	C	D	E	F	G	H	I
2									
3	System Losses by Company (from FERC Form 1, page 401a)								
4									
5			Total	Total					
6			MWh	Energy	Loss				
7			Acquired	Losses	Percentage				
8	GSEC		504,970	9,660	1.91%	2015			
9	PSNH		8,697,124	255,592	2.94%	2015			
10	UES		710,669	42,780	6.02%	2015			
11									
12	Totals		9,912,763	308,032	3.11%		Multiplier	1.0690	from line 46
13									
14	Notes: a) NHEC does not file a FERC Form 1, so percentage used is a weighted average of the other three utilities.								
15									
16	Revise Loss Factor so it grosses up from Distribution load/generation rather than grossing down from wholesale supply:								
17									
18			Total	Total	Total	Loss			
19			MWh	Energy	Energy	Factor			
20			Acquired	Losses	Supplied				
21	GSEC		504,970	9,660	495,310	1.95%	2015		
22	PSNH		8,697,124	255,592	8,441,532	3.03%	2015		
23	UES		710,669	42,780	667,889	6.41%	2015		
24									
25	Totals		9,912,763	308,032	9,604,731	3.21%	Multiplier	1.0321	
26									
27									
28	Alternate calculation of average Loss Factor, using utility specific loss factors used to gross up distribution meter point load to wholesale meter points from current data on Eversource and Unitil websites listed below (GSEC/LU not available) matched against identifiable matching loads by rate class for the respective FERC Forms 1, page 304, found at 3rd link below (for CY 2014). Line #s, Descriptions and MWh Sold are from FERC Form 1, p. 304.								
29	https://www.eversource.com/Content/nh/about/doing-business-with-us/energy-supplier-information/electric---new-hampshire								
30	http://unitil.com/energy-for-businesses/electric-information/energy-supply-options/competitive-supplier-resources								
31	https://www.puc.nh.gov/Electric/AnnualReports.html								
32									
33	Utility	Line #	Description	MWh Sold	Loss Factor	Weight			
34	PSNH/Eversource	2	R-Residential	3,142,020	7.75%	243,507			
35	PSNH/Eversource	3	R- OTOD - Time of Day	455	7.75%	35			
36	PSNH/Eversource	4	OL - Outdoor Lighting	1,780	7.72%	137			
37	PSNH/Eversource	5	LCS - Load Controlled [Res]	40,579	7.75%	3,145			
38	PSNH/Eversource	11	G - General Service	1,691,888	7.75%	131,121			
39	PSNH/Eversource	12	G - OTOD - Time of Day	1,364	7.75%	106			
40	PSNH/Eversource	13	LG - Large Controlled	1,248,584	4.42%	55,187			
41	PSNH/Eversource	14	GV - Primary General	35,850	6.31%	2,262			
42	PSNH/Eversource	23	EOL/OL - Outdoor Lighting	22,272	7.72%	1,719			
43	Unitil Energy Sys	4	Total Billed Residential	509,757	6.468%	32,971			
44	Unitil Energy Sys	9	[C&I] - Regular General	314,896	6.392%	20,128			
45	Unitil Energy Sys	10	[C&I] - Large General	280,628	4.591%	12,884			
46	Unitil Energy Sys	20	Total Public and Private Street L	8,466	6.468%	548			
47				7,298,539	6.902%	503,750.52			

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