

Large Customer Group
 Rates G-1 and G-2
 Illustrative Weighted Average Energy Service Rates For Comparison Purposes Only
 August 2021 - January 2022

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 DE 21-087 Energy Service Reconciliation
 Schedule AMH/DBS-1 Rates
 Page 1 of 1

REDACTED

Section 1: Percentage of Medium and Large C&I kWhs Attributable to Energy Service

1	March 2021 Medium and Large C&I Energy Service kWhs	8,069,427
2	March 2021 Total Medium and Large C&I kWhs	39,528,385
3	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	20.41%

Section 2: Projected Medium and Large C&I Default Service kWhs, August 2021 - January 2022

	August (a)	September (b)	October (c)	November (d)	December (e)	January (f)	Total (g)	
4	Projected Total Company Medium and Large kWhs	50,201,834	44,230,582	43,381,984	40,972,721	41,336,151	42,197,264	262,320,536
5	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	20.41%	20.41%	20.41%	20.41%	20.41%	20.41%	20.41%
6	Projected Medium and Large C&I Energy Service kWhs	10,248,333	9,029,346	8,856,111	8,364,278	8,438,469	8,614,259	53,550,794

Section 3: Medium and Large C&I Default Service Load Weighting for August 2021 - January 2022

7	Projected Medium and Large C&I Energy Service kWhs	10,248,333	9,029,346	8,856,111	8,364,278	8,438,469	8,614,259	53,550,794
8	Loss Factor							
9	Wholesale Contract Price (\$/MWh)							
10	Base Energy Service Rate (\$/kWh)	\$0.05768	\$0.05411	\$0.05582	\$0.06842	\$0.08840	\$0.11180	
11	Energy Service Reconciliation Adjustment Factor (\$/kWh)	\$0.00176	\$0.00176	\$0.00176	\$0.00176	\$0.00176	\$0.00176	
12	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	(\$0.00115)	(\$0.00115)	(\$0.00115)	(\$0.00115)	(\$0.00115)	(\$0.00115)	
13	Renewable Portfolio Standard Adder (\$/kWh)	\$0.00684	\$0.00684	\$0.00684	\$0.00684	\$0.00684	\$0.00684	
14	Total Estimated Medium and Large C&I Energy Service Price per kWh	\$0.06513	\$0.06156	\$0.06327	\$0.07587	\$0.09585	\$0.11925	

- 1 Per Monthly Energy Service Revenue Reports (Rates G-1 and G-2)
- 2 Per Monthly Total Revenue Reports (Rates G-1 and G-2)
- 3 Line (1) + Line (2)
- 4 Per Company forecast for medium and large C&I rates (Rates G-1 and G-2)
- 5 Line (3)
- 6 Line (4) x Line (5)
- 7 Line (6)
- 8 Projected Wholesale Load divided by Projected Retail Load, rounded to five decimal places
- 9 Schedule JDW-2 Exhibit 5
- 10 Line (8) x Line (9) / 1000, truncated to five decimal places
- 11 Schedule AMH/DBS-5 Page 1, Line 6
- 12 Schedule AMH/DBS-6 Page 1, Line 5
- 13 Schedule JDW-2 Exhibit 11
- 14 Line (10) + Line (11) + Line (12) + Line (13)

REDACTED

Section 1: Percentage of Residential and Small C&I kWhs Attributable to Energy Service

1	March 2021 Residential and Small C&I Energy Service kWhs	31,388,075
2	March 2021 Total Residential and Small C&I kWhs	<u>35,207,713</u>
3	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	89.15%

Section 2: Projected Residential and Small C&I Default Service kWhs, August 2021 - January 2022

	August	September	October	November	December	January	Total	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
4	Projected Total Company Residential and Small C&I kWhs	35,287,024	29,011,577	28,630,654	30,390,445	35,987,704	37,773,857	197,081,260
5	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	<u>89.15%</u>	
6	Projected Residential and Small C&I Energy Service kWhs	31,458,781	25,864,150	25,524,552	27,093,426	32,083,446	33,675,822	175,700,176

Section 3: Residential and Small C&I Default Service Load Weighting for August 2021 - January 2022

7	Projected Residential and Small C&I Energy Service kWhs	31,458,781	25,864,150	25,524,552	27,093,426	32,083,446	33,675,822	175,700,176
8	Loss Factor							
9	Wholesale Contract Price (\$/MWh)							
10	Base Residential and Small C&I Energy Service Rate (\$/kWh)	\$0.05820	\$0.05873	\$0.05854	\$0.06778	\$0.08942	\$0.11373	
11	Energy Service Reconciliation Adjustment Factor (\$/kWh)	\$0.00176	\$0.00176	\$0.00176	\$0.00176	\$0.00176	\$0.00176	
12	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	(\$0.00048)	
13	Proposed Renewable Portfolio Standard Adder (\$/kWh)	\$0.00684	\$0.00684	\$0.00684	\$0.00684	\$0.00684	\$0.00684	
14	Total Estimated Residential and Small C&I Energy Service Price per kWh	\$0.06632	\$0.06685	\$0.06666	\$0.07590	\$0.09754	\$0.12185	
15	Projected Residential and Small C&I Energy Service Base Cost, August 2021 - January 2022	<u>\$1,830,901</u>	<u>\$1,519,002</u>	<u>\$1,494,207</u>	<u>\$1,836,392</u>	<u>\$2,868,902</u>	<u>\$3,829,951</u>	<u>\$13,379,355</u>
16	Weighted Average Base Residential and Small C&I Energy Service Charge for August 2021 - January 2022							\$0.07614
17	Projected Residential and Small C&I Energy Service Cost, August 2021 - January 2022	<u>\$2,086,346</u>	<u>\$1,729,018</u>	<u>\$1,701,467</u>	<u>\$2,056,391</u>	<u>\$3,129,419</u>	<u>\$4,103,399</u>	<u>\$14,806,041</u>
18	Weighted Average Residential and Small C&I Energy Service Charge for August 2021 - January 2022							\$0.08426

- 1 Per Monthly Energy Service Revenue Reports (Rates D, D-10, G-3, M,T,V)
- 2 Per Monthly Total Revenue Reports (Rates D, D-10, G-3, M, T, V)
- 3 Line (1) + Line (2)
- 4 Per Company forecast for residential and small C&I rates (Rates D, D-10, G-3, M, T, V)
- 5 Line (3)
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- 9 Schedule JDW-2 Exhibit 5
- 10 Line (10) x Line (11) / 1000, truncated to five decimal places
- 11 Schedule AMH/DBS-5 Page 1, Line 6
- 12 Schedule AMH/DBS-6 Page 1, Line 5
- 13 Schedule JDW-2 Exhibit 11
- 14 Line (10) + Line (11) + Line (12) + Line (13)
- 15 Line (7) x Line (10)
- 16 Line (15) total + Line (7) total, truncated after 5 decimal places
- 17 Line (7) x Line (14)
- 18 Line (17) total + Line (7) total, truncated after 5 decimal places

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Base Energy Service Reconciliation
August 2020 - July 2021

	Month	(Over)/Under Beginning Balance (a)	Base Energy Service Revenue (b)	Base Energy Service Expense (c)	Monthly (Over)/Under (d)	(Over)/Under Ending Balance (e)	Balance Subject to Interest (f)	Effective Interest Rate (g)	Interest (h)	Cumulative Interest (i)
[1]	Aug-20	\$ -	\$ 2,498,151	\$ 2,411,420	\$ (86,731)	\$ (86,731)	\$ (43,365)	3.25%	\$ (117)	\$ (117)
[2]	Sep-20	\$ (86,848)	\$ 2,028,593	\$ 2,077,019	\$ 48,426	\$ (38,422)	\$ (62,635)	3.25%	\$ (170)	\$ (287)
[3]	Oct-20	\$ (38,592)	\$ 1,825,846	\$ 1,744,648	\$ (81,197)	\$ (119,789)	\$ (79,191)	3.25%	\$ (214)	\$ (502)
[4]	Nov-20	\$ (120,004)	\$ 2,124,910	\$ 2,105,553	\$ (19,357)	\$ (139,361)	\$ (129,682)	3.25%	\$ (351)	\$ (853)
[5]	Dec-20	\$ (139,712)	\$ 2,690,937	\$ 2,996,191	\$ 305,253	\$ 165,542	\$ 12,915	3.25%	\$ 35	\$ (818)
[6]	Jan-21	\$ 165,576	\$ 2,858,481	\$ 3,488,828	\$ 630,347	\$ 795,923	\$ 480,750	3.25%	\$ 1,302	\$ 484
[7]	Feb-21	\$ 797,225	\$ 2,468,184	\$ 2,906,682	\$ 438,497	\$ 1,235,723	\$ 1,016,474	3.25%	\$ 2,753	\$ 3,237
[8]	Mar-21	\$ 1,238,476	\$ 2,314,624	\$ 2,548,897	\$ 234,273	\$ 1,472,749	\$ 1,355,612	3.25%	\$ 3,671	\$ 6,909
[9]	Apr-21	\$ 1,476,420	\$ 1,829,532	\$ 2,055,061	\$ 225,530	\$ 1,701,950	\$ 1,589,185	3.25%	\$ 4,304	\$ 11,213
[10]	May-21	\$ 1,706,254	\$ 1,839,332	\$ 1,992,871	\$ 153,539	\$ 1,859,793	\$ 1,783,024	3.25%	\$ 4,829	\$ 16,042
[11]*	Jun-21	\$ 1,864,622	\$ 2,151,233	\$ 1,846,177	\$ (305,056)	\$ 1,559,566	\$ 1,712,094	3.25%	\$ 4,637	\$ 20,679
[12]*	Jul-21	\$ 1,564,203	\$ 2,481,821	\$ 1,906,806	\$ (575,015)	\$ 989,188	\$ 1,276,696	3.25%	\$ 3,458	\$ 24,136

\$ 27,111,645 \$ 28,080,154

Cumulative (Over)/Under Collection of Base Energy Service: \$ 992,646

- (a) Prior Month Column (e) + Prior Month Column (h)
- (b) Monthly Revenue calculated on AMH/DBS-3 P2
- (c) Monthly Expenses calculated on AMH/DBS-3 P3
- (d) Column (c) - Column (b)
- (e) Column (a) + Column (d)
- (f) [Column (a) + Column (e)] ÷ 2
- (g) Interest rate on Customer Deposits
- (h) Column (f) x Column (g) / 12
- (i) Column (h) + Prior Month Column (i)
- * Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
DE 21-087 Energy Service Reconciliation
Schedule AMH/DBS-3 Base ES Reconciliation
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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Energy Service Revenue
August 2020 - July 2021

	Month	Energy Service Revenue (a)	Renewable Portfolio Standard Revenue (b)	Energy Service Adjustment Revenue (c)	Energy Service Cost Reclass. Adjustment Factor (d)	Base Energy Service Revenue (e)
[1]	Aug-20	\$ 2,745,560	\$ 332,038	\$ (168,924)	\$ 84,295	\$ 2,498,151
[2]	Sep-20	\$ 2,243,649	\$ 274,817	\$ (139,813)	\$ 80,052	\$ 2,028,593
[3]	Oct-20	\$ 2,006,238	\$ 228,446	\$ (116,221)	\$ 68,168	\$ 1,825,846
[4]	Nov-20	\$ 2,268,572	\$ 236,755	\$ (120,448)	\$ 27,356	\$ 2,124,910
[5]	Dec-20	\$ 2,911,767	\$ 287,651	\$ (146,342)	\$ 79,521	\$ 2,690,937
[6]	Jan-21	\$ 3,094,956	\$ 320,298	\$ (162,951)	\$ 79,128	\$ 2,858,481
[7]	Feb-21	\$ 2,695,447	\$ 307,091	\$ (156,232)	\$ 76,404	\$ 2,468,184
[8]	Mar-21	\$ 2,541,338	\$ 298,757	\$ (151,992)	\$ 79,949	\$ 2,314,624
[9]	Apr-21	\$ 2,026,475	\$ 257,627	\$ (131,067)	\$ 70,384	\$ 1,829,532
[10]	May-21	\$ 2,044,626	\$ 219,063	\$ (111,448)	\$ 97,679	\$ 1,839,332
[11]*	Jun-21	\$ 2,378,996	\$ 284,727	\$ (144,855)	\$ 87,890	\$ 2,151,233
[12]*	Jul-21	\$ 2,737,938	\$ 322,904	\$ (164,277)	\$ 97,490	\$ 2,481,821
	Total	\$ 29,695,565	\$ 3,370,175	\$ (1,714,571)	\$ 928,316	\$ 27,111,645

(a) Per general ledger

(b) Actual kWh sales multiplied by approved RPS Adder

(c) Actual kWh sales multiplied by approved Energy Service Adjustment Factor

(d) Actual kWh sales multiplied by the Energy Service Cost Reclassification Adjustment Factor approved

(e) Column (a) - Column (b) - Column (c) - Column (d) - Column (e)

* Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Energy Service Expense Calculation
August 2020 - July 2021

		<u>Energy Service</u> <u>Expense</u> <u>(a)</u>		<u>RPS</u> <u>Expense</u> <u>(b)</u>		<u>Base Energy</u> <u>Service Expense</u> <u>(c)</u>
[1]	Aug-20	\$ 2,411,420	\$	-	\$	2,411,420
[2]	Sep-20	\$ 2,077,019	\$	-	\$	2,077,019
[3]	Oct-20	\$ 1,807,694	\$	63,046	\$	1,744,648
[4]	Nov-20	\$ 2,590,553	\$	485,000	\$	2,105,553
[5]	Dec-20	\$ 3,032,941	\$	36,750	\$	2,996,191
[6]	Jan-21	\$ 4,314,416	\$	825,587	\$	3,488,828
[7]	Feb-21	\$ 2,906,682	\$	-	\$	2,906,682
[8]	Mar-21	\$ 2,548,897	\$	-	\$	2,548,897
[9]	Apr-21	\$ 2,117,887	\$	62,826	\$	2,055,061
[10]	May-21	\$ 1,998,249	\$	5,378	\$	1,992,871
[11]*	Jun-21	\$ 3,200,454	\$	1,354,277	\$	1,846,177
[12]*	Jul-21	\$ 1,906,806	\$	-	\$	1,906,806
	Total	\$ 30,913,018	\$	2,832,864	\$	28,080,154

- (a) Per general ledger
- (b) Per general ledger
- (c) Column (a) - Column (b)
- * Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a L berty
Renewable Portfolio Standard Reconciliation
2020 Program Year

	Month	Beginning Balance (a)	Revenue (b)	Expense (c)	Monthly (Over)/Under (d)	Ending Balance (e)	Balance Subject to Interest (f)	Interest Rate (g)	Interest (h)	Cumulative Interest (i)
[1]	Jul-20	\$ -	\$ 328,265	\$ 1,277,899	\$ 949,634	\$ 949,634	\$ 474,817	3.25%	\$ 1,286	\$ 1,286
[2]	Aug-20	\$ 950,920	\$ 332,038	\$ -	\$ (332,038)	\$ 618,882	\$ 784,901	3.25%	\$ 2,126	\$ 3,412
[3]	Sep-20	\$ 621,007	\$ 274,817	\$ -	\$ (274,817)	\$ 346,190	\$ 483,599	3.25%	\$ 1,310	\$ 4,721
[4]	Oct-20	\$ 347,500	\$ 228,446	\$ 63,046	\$ (165,400)	\$ 182,100	\$ 264,800	3.25%	\$ 717	\$ 5,439
[5]	Nov-20	\$ 182,817	\$ 236,755	\$ 485,000	\$ 248,245	\$ 431,062	\$ 306,940	3.25%	\$ 831	\$ 6,270
[6]	Dec-20	\$ 431,894	\$ 287,651	\$ 36,750	\$ (250,901)	\$ 180,992	\$ 306,443	3.25%	\$ 830	\$ 7,100
[7]	Jan-21	\$ 181,822	\$ 320,298	\$ 825,587	\$ 505,289	\$ 687,112	\$ 434,467	3.25%	\$ 1,177	\$ 8,277
[8]	Feb-21	\$ 688,288	\$ 307,091	\$ -	\$ (307,091)	\$ 381,197	\$ 534,743	3.25%	\$ 1,448	\$ 9,725
[9]	Mar-21	\$ 382,645	\$ 298,757	\$ -	\$ (298,757)	\$ 83,888	\$ 233,267	3.25%	\$ 632	\$ 10,357
[10]	Apr-21	\$ 84,520	\$ 257,627	\$ 62,826	\$ (194,801)	\$ (110,281)	\$ (12,881)	3.25%	\$ (35)	\$ 10,322
[11]	May-21	\$ (110,316)	\$ 219,063	\$ 5,378	\$ (213,685)	\$ (324,001)	\$ (217,159)	3.25%	\$ (588)	\$ 9,734
[12]*	Jun-21	\$ (324,589)	\$ 284,727	\$ 1,354,277	\$ 1,069,550	\$ 744,960	\$ 210,186	3.25%	\$ 569	\$ 10,303
			\$ 3,375,536	\$ 4,110,763						

Cumulative (Over)/Under Collection of RPS Compliance Costs \$ 745,530

- (a) Prior Month Column (e) + Prior Month Column (h)
- (b) Actual kWh sales multiplied by the RPS adder
- (c) Actual Monthly REC expenses
- (d) Column (c) - Column (b)
- (e) Column (a) + Column (d)
- (f) [Column (a) + Column (e)] ÷ 2
- (g) Interest Rate on Customer Deposits
- (h) Column (f) x Column (g) / 12
- (i) Column (h) + Prior Month Column (i)
- * Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Calculation of Energy Service Adjustment Factor
 Effective August 1, 2021

[1] Base Energy Service (Over)/Under Collection	\$	992,646
[2] Energy Service Adjustment Factor (Over)/Under Collection	\$	316,660
[3] RPS (Over)/Under Collection	\$	745,530
[4] Remove Banked Class III RECs	\$	<u>(1,259,885)</u>
[5] Total (Over)/Under Collection	\$	794,950
[6] Estimated Energy Service kWh Deliveries		450,974,253
[7] Energy Service Adjustment Factor per kWh	\$	0.00176

- [1] Schedule AMH/DBS-3, Page 1
- [2] Schedule AMH/DBS-5 Page 2
- [3] Schedule AMH/DBS-4
- [4] Banked Class III RECs that were purchased prior to the 8% obligation being lowered to 2% by Order No. 26,472
- [5] Sum of Lines 1 - 4
- [6] Per Company forecast August 2020 - July 2021

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Reconciliation of Energy Service Adjustment Factor (Over)/Under
Balance Incurred August 2020 - July 2021

	Month	Beginning (Over)/Under Balance (a)	Energy Service Adjustment Revenue (b)	Ending (Over)/Under Balance (c)	Balance Subject to Interest (d)	Effective Interest Rate (e)	Interest (f)	Cumulative Interest (g)
[1]	Aug-20	\$ (1,380,469)	\$ (168,924)	\$ (1,211,545)	\$ (1,296,007)	3.25%	\$ (3,510)	\$ (3,510)
[2]	Sep-20	\$ (1,215,055)	\$ (139,813)	\$ (1,075,242)	\$ (1,145,149)	3.25%	\$ (3,101)	\$ (6,611)
[3]	Oct-20	\$ (1,078,344)	\$ (116,221)	\$ (962,122)	\$ (1,020,233)	3.25%	\$ (2,763)	\$ (9,375)
[4]	Nov-20	\$ (964,885)	\$ (120,448)	\$ (844,437)	\$ (904,661)	3.25%	\$ (2,450)	\$ (11,825)
[5]	Dec-20	\$ (846,887)	\$ (146,342)	\$ (700,545)	\$ (773,716)	3.25%	\$ (2,095)	\$ (13,920)
[6]	Jan-21	\$ (702,640)	\$ (162,951)	\$ (539,689)	\$ (621,165)	3.25%	\$ (1,682)	\$ (15,603)
[7]	Feb-21	\$ (541,372)	\$ (156,232)	\$ (385,139)	\$ (463,255)	3.25%	\$ (1,255)	\$ (16,857)
[8]	Mar-21	\$ (386,394)	\$ (151,992)	\$ (234,402)	\$ (310,398)	3.25%	\$ (841)	\$ (17,698)
[9]	Apr-21	\$ (235,242)	\$ (131,067)	\$ (104,175)	\$ (169,709)	3.25%	\$ (460)	\$ (18,157)
[10]	May-21	\$ (104,635)	\$ (111,448)	\$ 6,813	\$ (48,911)	3.25%	\$ (132)	\$ (18,290)
[11]*	Jun-21	\$ 6,681	\$ (144,855)	\$ 151,536	\$ 79,108	3.25%	\$ 214	\$ (18,076)
[12]*	Jul-21	\$ 151,750	\$ (164,277)	\$ 316,026	\$ 233,888	3.25%	\$ 633	\$ (17,442)

\$ (1,714,571)

Total (Over)/Under Collection: \$ 316,660

- (a) Prior month Column (c) + Prior month Column (f)
- (b) Actual kWh sales multiplied by the approved Energy Service Adjustment Factor
- (c) Column (a) - Column (b)
- (d) [Column (a) + Column (c)] ÷ 2
- (e) Interest rate on Customer Deposits
- (f) Column (d) x Column (e) / 12
- (g) Column (f) + Prior Month Column (g)
- * Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Energy Service Cost Reclassification Adjustment Factor (ESCRAF)
 Effective August 1, 2021

	<u>Total</u>	<u>Residential and Small C&I</u>	<u>Medium and Large C&I</u>
[1] Total Forecast of 2020 Costs	\$ 181,219	\$ 103,726	\$ 77,493
[2] Overcollection Related to ESCRAF	\$ (471,790)	\$ (270,044)	\$ (201,747)
[3] Net Estimated Commodity Related Costs	\$ (290,571)	\$ (166,317)	\$ (124,254)
[4] Estimated Forecast Energy Service kWh Deliveries	<u>450,974,253</u>	<u>343,677,954</u>	<u>107,296,298</u>
[5] 2020 ESCRAF per kWh	\$ (0.00064)	\$ (0.00048)	\$ (0.00115)

(1) Forecast of costs using previous period; Schedule AMH/DBS-6, Page 3, Line 4

(2) Schedule AMH/DBS-6, Page 2

(3) Line (1) + Line (2)

(4) Per Company forecast

(5) Line (3) ÷ Line (4), truncated after 5 decimal places

Liberty Utilities (Granite State Electric) Corp. d/b/a L berty
Energy Service Cost Reclassification Adjustment Factor (ESCRAF) Reconciliation
August 2020 - July 2021

	Month	Beginning Balance (a)	Revenue (b)	Expense (c)	Monthly (Over)/Under (d)	Ending Balance (e)	Balance Subject to Interest (f)	Interest Rate (g)	Interest (h)	Cumulative Interest (i)
[1]	Aug-20	\$ 214,735	\$ 84,295	\$ 19,407	\$ (64,887)	\$ 149,848	\$ 182,291	3.25%	\$ 494	\$ 494
[2]	Sep-20	\$ 150,341	\$ 80,052	\$ 16,823	\$ (63,228)	\$ 87,113	\$ 118,727	3.25%	\$ 322	\$ 815
[3]	Oct-20	\$ 87,435	\$ 68,168	\$ 15,973	\$ (52,195)	\$ 35,239	\$ 61,337	3.25%	\$ 166	\$ 981
[4]	Nov-20	\$ 35,405	\$ 27,356	\$ 17,850	\$ (9,506)	\$ 25,900	\$ 30,653	3.25%	\$ 83	\$ 1,064
[5]	Dec-20	\$ 25,983	\$ 79,521	\$ 33,672	\$ (45,848)	\$ (19,866)	\$ 3,059	3.25%	\$ 8	\$ 1,073
[6]	Jan-21	\$ (19,857)	\$ 79,128	\$ 23,461	\$ (55,667)	\$ (75,524)	\$ (47,691)	3.25%	\$ (129)	\$ 944
[7]	Feb-21	\$ (75,653)	\$ 76,404	\$ 19,431	\$ (56,973)	\$ (132,626)	\$ (104,140)	3.25%	\$ (282)	\$ 661
[8]	Mar-21	\$ (132,908)	\$ 79,949	\$ 21,852	\$ (58,098)	\$ (191,006)	\$ (161,957)	3.25%	\$ (439)	\$ 223
[9]	Apr-21	\$ (191,445)	\$ 70,384	\$ 17,839	\$ (52,545)	\$ (243,990)	\$ (217,717)	3.25%	\$ (590)	\$ (367)
[10]	May-21	\$ (244,579)	\$ 97,679	\$ 19,585	\$ (78,094)	\$ (322,673)	\$ (283,626)	3.25%	\$ (768)	\$ (1,135)
[11]*	Jun-21	\$ (323,442)	\$ 87,890	\$ 19,585	\$ (68,306)	\$ (391,747)	\$ (357,594)	3.25%	\$ (968)	\$ (2,103)
[12]*	Jul-21	\$ (392,716)	\$ 97,490	\$ 19,585	\$ (77,906)	\$ (470,621)	\$ (431,668)	3.25%	\$ (1,169)	\$ (3,273)
			\$ 928,316	\$ 245,063						

Cumulative (Over)/Under Collection of Energy Service Cost Reclassification Adjustment Provision: \$ (471,790)

- (a1) Estimated July 2020 ending balance in DE 20-053, Bates 131, Line 3
- (a2 - a12) Prior Month Column (e) + Prior Month Column (h)
- (b) Actual kWh sales multiplied by approved ESCRAF
- (c) AMH/DBS-6 Page 4 Column (d)
- (d) Column (c) - Column (b)
- (e) Column (a) + Column (d)
- (f) [Column (a) + Column (e)] ÷ 2
- (g) Interest Rate on Customer Deposits
- (h) Column (f) x Column (g) / 12
- (i) Column (h) + Prior Month Column (i)
- * Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Energy Service Cost Reclassification Adjustment Factor (ESCRAF)
 Expense Summary August 2020 - July 2021

	<u>Total</u>	<u>Residential and Small C&I</u>	<u>Medium and Large C&I</u>
<u>Wholesale Costs:</u>			
[1] Procurement and Ongoing Administration Costs	\$25,973	\$12,987	\$12,987
<u>Direct Retail:</u>			
[2] Bad Debt Expense	<u>\$91,242</u>	<u>\$53,330</u>	<u>\$37,912</u>
<u>Cash Working Capital:</u>			
[3] Working Capital Impact	<u>\$64,003</u>	<u>\$37,409</u>	<u>\$26,594</u>
[4] Total Estimated Commodity Related Costs	\$181,218	\$103,726	\$77,493

- (1) Schedule AMH/DBS-6 Page 4 Column (a), allocated evenly
- (2) Bad debt calculation August 2020 - July 2021. Allocated to customer group based on method agreed to in the settlement in Docket DE 05-126.
- (3) Schedule AMH/DBS-6 Page 4 Column (c), allocated to customer group based on DR 95-169 allocation.
- (4) Line (1) + Line (2) + Line (3)

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
DE 21-087 Energy Service Reconciliation
Schedule AMH/DBS-6 ES Cost Reclassification Adj Factor
Page 4 of 8

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Energy Service Cost Reclassification Adjustment Factor Expenses
August 2020 - July 2021

		Payroll and Other Admin Expenses (a)	Bad Debt Expense (b)	Cash Working Capital Expense (c)	Total Expense (d)
[1]	Aug-20	\$836	\$7,918	\$10,654	\$19,407
[2]	Sep-20	\$0	\$6,169	\$10,654	\$16,823
[3]	Oct-20	\$0	\$5,319	\$10,654	\$15,973
[4]	Nov-20	\$0	\$7,196	\$10,654	\$17,850
[5]	Dec-20	\$13,674	\$9,344	\$10,654	\$33,672
[6]	Jan-21	\$0	\$12,807	\$10,654	\$23,461
[7]	Feb-21	\$269	\$8,508	\$10,654	\$19,431
[8]	Mar-21	\$2,748	\$8,450	\$10,654	\$21,852
[9]	Apr-21	\$41	\$7,144	\$10,654	\$17,839
[10]	May-21	\$2,802	\$6,129	\$10,654	\$19,585
[11]*	Jun-21	\$2,802	\$6,129	\$10,654	\$19,585
[12]*	Jul-21	\$2,802	\$6,129	\$10,654	\$19,585
	Total	\$25,973	\$91,242	\$127,848	\$245,063

(a) Per general ledger

(b) Per general ledger

(c) Per general ledger

(d) Column (a) + Column (b) + Column (c)

* Projection based on previous period's costs

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Energy Service Cost Reclassification Adjustment Factor Expenses
Working Capital Summary

	Days of <u>Cost</u> (a)	Annual <u>Percent</u> (b)	Customer Payment <u>Lag %</u> (c)	<u>CWC %</u> (d)	<u>Expense</u> (e)	Working Capital <u>Requirement</u> (f)
[1] 2020 Purchase Power Costs	(34.996)	-9.56%	16.70%	7.14%	\$ 31,082,921	\$ 2,219,321
[2] Renewable Portfolio Standard	(227.618)	-62.19%	16.70%	-45.49%	\$ 3,375,536	<u>\$ (1,535,532)</u>
[3] Working Capital Requirement						\$ 683,789
[4] Capital Structure Post-tax						7.60%
[5] Working Capital Impact						<u>\$ 51,968</u>
[6] Capital Structure Pre-tax						<u>9.36%</u>
[7] Working Capital Impact						\$ 64,003

Columns:

- [1](a) Schedule AMH/DBS-6 Page 6
- (b) Column (a) ÷ 366
- (c) Schedule AMH/DBS-6 Page 8
- (d) Column (b) + Column (c)
- (e) Schedule AMH/DBS-6 Page 6
- [2](a) Schedule AMH/DBS-6 Page 7
- (b) Column (a) ÷ 366
- (c) Schedule AMH/DBS-6 Page 8
- (d) Column (b) + Column (c)
- (e) Schedule AMH/BS-6 Page 7
- (f) Column (d) x Column (e)

Lines:

- [3] Line 1(f) + Line 2(f)
- [4] Settlement Agreement Docket No. DE 19-064
- [5] Line (3) x Line (4)
- [6] Settlement Agreement Docket No. DE 19-064
- [7] Line (3) x Line (6)

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Energy Service Cost Reclassification Adjustment Factor Expenses

Invoice Month (a)	Expense Description (b)	Invoice Amount (c)	Mid-Point Service		Payment Date (g)	Elapsed Days (h)	% of Total (i)	Weighted Days (j)	
			Period (d)	Invoice Date (e)					Due Date (f)
January 2020	Current Charge for January 2020	\$ 1,151,750.84	1/16/2020	2/10/2020	2/20/2020	2/20/2020	35	3.71%	1.30
January 2020	Supplier Reallocation for September 2019	\$ 30,274.22	1/16/2020	2/10/2020	2/20/2020	2/20/2020	35	0.10%	0.03
January 2020	Current Charge for January 2020	\$ 3,426,638.55	1/16/2020	2/10/2020	2/20/2020	2/20/2020	35	11.02%	3.86
January 2020	Supplier Reallocation for September 2019	\$ (94,419.30)	1/16/2020	2/10/2020	2/20/2020	2/20/2020	35	-0.30%	(0.11)
January 2020	Broker Charge	\$ 345.55	1/16/2020	2/1/2020	2/28/2020	2/25/2020	40	0.00%	0.00
February 2020	Current Charge for February 2020	\$ 939,971.31	2/15/2020	3/10/2020	3/20/2020	3/20/2020	34	3.02%	1.03
February 2020	Supplier Reallocation for October 2019	\$ (18,972.21)	2/15/2020	3/10/2020	3/12/2020	3/27/2020	41	-0.06%	(0.03)
February 2020	Current Charge for February 2020	\$ 2,873,712.22	2/15/2020	3/10/2020	3/20/2020	3/20/2020	34	9.25%	3.14
February 2020	Supplier Reallocation for October 2019	\$ (49,480.05)	2/15/2020	3/10/2020	3/20/2020	3/20/2020	34	-0.16%	(0.05)
February 2020	Broker Charge	\$ 345.55	2/15/2020	3/1/2020	3/31/2020	3/25/2020	39	0.00%	0.00
March 2020	Current Charge for March 2020	\$ 672,192.62	3/16/2020	4/9/2020	4/20/2020	4/18/2020	33	2.16%	0.71
March 2020	Supplier Reallocation for November 2019	\$ (13,466.00)	3/16/2020	4/9/2020	4/20/2020	4/20/2020	35	-0.04%	(0.02)
March 2020	Current Charge for March 2020	\$ 1,995,613.91	3/16/2020	4/9/2020	4/20/2020	4/18/2020	33	6.42%	2.12
March 2020	Supplier Reallocation for November 2019	\$ 94,224.14	3/16/2020	4/9/2020	4/20/2020	4/18/2020	33	0.30%	0.10
March 2020	Broker Charge	\$ 345.55	3/16/2020	4/1/2020	4/30/2020	4/24/2020	39	0.00%	0.00
April 2020	Current Charge for April 2020	\$ 537,366.12	4/15/2020	5/8/2020	5/20/2020	5/21/2020	36	1.73%	0.62
April 2020	Supplier Reallocation for December 2019	\$ 14,718.53	4/15/2020	5/8/2020	5/20/2020	5/21/2020	36	0.05%	0.02
April 2020	Current Charge for April 2020	\$ 1,556,465.06	4/15/2020	5/8/2020	5/20/2020	5/20/2020	35	5.01%	1.75
April 2020	Supplier Reallocation for December 2019	\$ (20,307.10)	4/15/2020	5/8/2020	5/20/2020	5/20/2020	35	-0.07%	(0.02)
April 2020	Broker Charge	\$ 345.55	4/15/2020	5/1/2020	5/31/2020	5/23/2020	38	0.00%	0.00
May 2020	Current Charge for May 2020	\$ 441,484.02	5/16/2020	6/10/2020	6/22/2020	6/20/2020	35	1.42%	0.50
May 2020	Supplier Reallocation for January 2020	\$ 7,600.34	5/16/2020	6/10/2020	6/22/2020	6/20/2020	35	0.02%	0.01
May 2020	Current Charge for May 2020	\$ 1,652,227.55	5/16/2020	6/10/2020	6/22/2020	6/20/2020	35	5.32%	1.86
May 2020	Supplier Reallocation for January 2020	\$ (149,107.42)	5/16/2020	6/10/2020	6/22/2020	6/20/2020	35	-0.48%	(0.17)
May 2020	Broker Charge	\$ 345.55	5/16/2020	6/1/2020	6/30/2020	6/25/2020	40	0.00%	0.00
June 2020	Current Charge for June 2020	\$ 437,224.00	6/15/2020	7/10/2020	7/20/2020	7/18/2020	33	1.41%	0.46
June 2020	Supplier Reallocation for February 2020	\$ (78,550.30)	6/15/2020	7/10/2020	7/20/2020	7/31/2020	46	-0.25%	(0.12)
June 2020	Current Charge for June 2020	\$ 1,719,127.68	6/15/2020	7/10/2020	7/20/2020	7/31/2020	46	5.53%	2.54
June 2020	Supplier Reallocation for February 2020	\$ 14,683.42	6/15/2020	7/10/2020	7/20/2020	7/31/2020	46	0.05%	0.02
June 2020	Broker Charge	\$ 345.55	6/15/2020	7/1/2020	7/31/2020	7/30/2020	45	0.00%	0.00
July 2020	Current Charge for July 2020	\$ 566,495.42	7/16/2020	8/12/2020	8/24/2020	8/22/2020	37	1.82%	0.67
July 2020	Supplier Reallocation for March 2020	\$ (54,262.56)	7/16/2020	8/12/2020	8/24/2020	8/24/2020	39	-0.17%	(0.07)
July 2020	Current Charge for July 2020	\$ 2,209,929.41	7/16/2020	8/10/2020	8/20/2020	8/20/2020	35	7.11%	2.49
July 2020	Supplier Reallocation for March 2020	\$ 135,270.22	7/16/2020	8/10/2020	8/20/2020	8/20/2020	35	0.44%	0.15
July 2020	Broker Charge	\$ 345.55	7/16/2020	8/1/2020	8/31/2020	8/25/2020	40	0.00%	0.00
August 2020	Current Charge for August 2020	\$ 514,838.00	8/16/2020	9/10/2020	9/21/2020	9/19/2020	34	1.66%	0.56
August 2020	Supplier Reallocation for April 2020	\$ (73,841.85)	8/16/2020	9/10/2020	9/21/2020	9/25/2020	40	-0.24%	(0.10)
August 2020	Current Charge for August 2020	\$ 1,770,705.00	8/16/2020	9/10/2020	9/21/2020	9/19/2020	34	5.70%	1.94
August 2020	Supplier Reallocation for April 2020	\$ 220,839.75	8/16/2020	9/10/2020	9/21/2020	9/19/2020	34	0.71%	0.24
August 2020	Broker Charge	\$ 345.55	8/16/2020	9/1/2020	9/30/2020	9/24/2020	39	0.00%	0.00
September 2020	Current Charge for September 2020	\$ 424,757.57	9/15/2020	10/9/2020	10/20/2020	10/14/2020	29	1.37%	0.40
September 2020	Supplier Reallocation for May 2020	\$ (13,406.61)	9/15/2020	10/9/2020	10/20/2020	10/20/2020	35	-0.04%	(0.02)
September 2020	Current Charge for September 2020	\$ 1,480,955.94	9/15/2020	10/9/2020	10/20/2020	10/20/2020	35	4.76%	1.67
September 2020	Supplier Reallocation for May 2020	\$ (29,148.78)	9/15/2020	10/9/2020	10/20/2020	10/20/2020	35	-0.09%	(0.03)
September 2020	Broker Charge	\$ 345.55	9/15/2020	10/1/2020	10/31/2020	10/23/2020	38	0.00%	0.00
October 2020	Current Charge for October 2020	\$ 431,944.01	10/16/2020	11/10/2020	11/20/2020	11/20/2020	35	1.39%	0.49
October 2020	Supplier Reallocation for June 2020	\$ 5,362.32	10/16/2020	11/10/2020	11/20/2020	11/20/2020	35	0.02%	0.01
October 2020	Current Charge for October 2020	\$ 1,338,310.99	10/16/2020	11/10/2020	11/20/2020	11/20/2020	35	4.31%	1.51
October 2020	Supplier Reallocation for June 2020	\$ (26,708.93)	10/16/2020	11/10/2020	11/20/2020	11/20/2020	35	-0.09%	(0.03)
October 2020	Broker Charge	\$ 345.55	10/16/2020	11/1/2020	11/30/2020	11/25/2020	40	0.00%	0.00
November 2020	Supplier Reallocation for July 2020	\$ 16,199.89	11/15/2020	12/10/2020	12/21/2020	12/18/2020	33	0.05%	0.02
November 2020	Current Charge for November 2020	\$ 488,404.42	11/15/2020	12/10/2020	12/21/2020	12/18/2020	33	1.57%	0.52
November 2020	Current Charge for November 2020	\$ 1,620,651.77	11/15/2020	12/10/2020	12/21/2020	12/18/2020	33	5.21%	1.72
November 2020	Supplier Reallocation for July 2020	\$ (61,322.71)	11/15/2020	12/10/2020	12/21/2020	12/18/2020	33	-0.20%	(0.07)
November 2020	Broker Charge	\$ 345.55	11/15/2020	12/1/2020	12/31/2020	12/24/2020	39	0.00%	0.00
December 2020	Supplier Reallocation for August 2020	\$ (10,984.76)	12/16/2020	1/8/2021	1/20/2021	1/20/2021	35	-0.04%	(0.01)
December 2020	Current Charge for December 2020	\$ 648,449.93	12/16/2020	1/7/2021	1/20/2021	1/20/2021	35	2.09%	0.73
December 2020	Current Charge for December 2020	\$ 2,382,113.49	12/16/2020	1/7/2021	1/20/2021	1/20/2021	35	7.66%	2.68
December 2020	Supplier Reallocation for August 2020	\$ (47,750.17)	12/16/2020	1/7/2021	1/20/2021	1/20/2021	35	-0.15%	(0.05)
December 2020	Broker Charge	\$ 345.55	12/16/2020	1/1/2021	1/31/2021	1/23/2021	38	0.00%	0.00

[1] Total \$ 31,082,920.51 Days 35.00

Columns:

- (a) Month in which obligation for payment occurred
- (b) Per invoices
- (c) Per invoices
- (d) Midpoint of applicable service period
- (e) Per invoices
- (f) Per agreements
- (g) Date paid
- (h) Number of days between Column (d) and Column (g)
- (i) Column (c) + Line (1)
- (j) Column (h) x Column (i)

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 RPS Obligation Program Year 2020

<u>Invoice Month</u> (a)	<u>Obligation Amount</u> (b)	<u>Mid-Point of Service Period</u> (c)	<u>Due Date</u> (d)	<u>Elapsed (Days)</u> (e)	<u>% of Total</u> (f)	<u>Weighted Days</u> (g)
Jul-20	\$ 328,265	7/16/2020	3/31/2021	258	9.72%	25.09
Aug-20	\$ 332,038	8/16/2020	3/31/2021	227	9.84%	22.33
Sep-20	\$ 274,817	9/15/2020	3/31/2021	197	8.14%	16.04
Oct-20	\$ 228,446	10/16/2020	6/30/2021	257	6.77%	17.39
Nov-20	\$ 236,755	11/15/2020	6/30/2021	227	7.01%	15.92
Dec-20	\$ 287,651	12/16/2020	6/30/2021	196	8.52%	16.70
Jan-21	\$ 320,298	1/16/2021	9/30/2021	257	9.49%	24.39
Feb-21	\$ 307,091	2/14/2021	9/30/2021	228	9.10%	20.74
Mar-21	\$ 298,757	3/16/2021	9/30/2021	198	8.85%	17.52
Apr-21	\$ 257,627	4/15/2021	12/31/2021	260	7.63%	19.84
May-21	\$ 219,063	5/16/2021	12/31/2021	229	6.49%	14.86
Jun-21	\$ 284,727	6/15/2021	12/31/2021	199	8.44%	16.79
[1] Total	\$ 3,375,536				[2] Days	227.62

Columns:

- (a) Month in which obligation occurred
- (b) Obligation based on kWh sales multiplied by the approved RPS rates for period
- (c) Midpoint of Service Period
- (d) Date of Obligation for Payment
- (e.) Number of days between Column (c) and Column (d)
- (f) Column (b) / Line 1
- (g) Column (c) multiplied by Column (e.)

Lines:

- (1) Sum of Column (b)
- (2) Sum of Column (g)

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Revenue Lead/Lag Applied to Energy Service

<u>Service Period</u>		<u>Monthly Customer Accts.Receivable</u> (a)	<u>Monthly Sales</u> (b)	<u>Days In Month</u> (c)	<u>Average Daily Revenues</u> (d)
1/1/2020	1/31/2020	\$ 11,871,159	\$ 9,127,734	31	\$ 294,443
2/1/2020	2/29/2020	\$ 11,574,393	\$ 8,351,443	29	\$ 287,981
3/1/2020	3/31/2020	\$ 10,946,896	\$ 7,952,974	31	\$ 256,548
4/1/2020	4/30/2020	\$ 10,622,685	\$ 7,389,731	30	\$ 246,324
5/1/2020	5/31/2020	\$ 9,722,410	\$ 6,548,999	31	\$ 211,258
6/1/2020	6/30/2020	\$ 10,602,030	\$ 7,442,641	30	\$ 248,088
7/1/2020	7/31/2020	\$ 12,527,392	\$ 9,175,627	31	\$ 295,988
8/1/2020	8/31/2020	\$ 13,003,472	\$ 9,480,429	31	\$ 305,820
9/1/2020	9/30/2020	\$ 11,770,270	\$ 8,010,405	30	\$ 267,014
10/1/2020	10/31/2020	\$ 10,713,997	\$ 6,995,628	31	\$ 225,665
11/1/2020	11/30/2020	\$ 10,761,620	\$ 7,122,662	30	\$ 237,422
12/1/2020	12/31/2020	\$ 11,506,872	\$ 8,306,619	31	\$ 267,955
Average		\$ 11,301,933			\$ 262,042

[1] Service Lag	15.25
[2] Collection Lag	43.13
[3] Billing Lag	<u>2.59</u>
[4] Total Average Days Lag	60.97
[5] Customer Payment Lag-annual percent	16.70%

Columns:

- (a) Accounts Receivable per general ledger at end of month
- (b) Per Company billing data
- (c) Number of days in applicable service period
- (d) Column (b) ÷ Column (c.)

Lines:

- [1] Settlement Agreement Docket No. DE 19-064
- [2] (a) / (d)
- [3] Settlement Agreement Docket No. DE 19-064
- [4] Sum of Lines 1-3
- [5] Line (4) ÷ 366

**Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
 Bill Calculation**

Usage 650 kWh

		May 1, 2021 <u>Rates</u>	August 1, 2021 <u>Rates</u>	May 1, 2021 <u>Bill</u>	August 1, 2021 <u>Bill</u>
1	Customer Charge	\$14.74	\$14.74	\$14.74	\$14.74
2	Distribution Charge				
3	All kWh - Base Rate	\$0.05741	\$0.05741	\$37.32	\$37.32
4	All kWh - VMP	\$0.00064	\$0.00064	\$0.42	\$0.42
5	Storm Recovery Adjustment	\$0.00000	\$0.00000	\$0.00	\$0.00
6	Transmission Charge	\$0.03703	\$0.03703	\$24.07	\$24.07
7	Stranded Cost Charge	(\$0.00080)	(\$0.00080)	(\$0.52)	(\$0.52)
8	System Benefits Charge	\$0.00678	\$0.00678	\$4.41	\$4.41
9	Electricity Consumption Tax	\$0.00000	\$0.00000	<u>\$0.00</u>	<u>\$0.00</u>
10	Subtotal Retail Delivery Services			\$80.43	\$80.43
11					
12	Energy Service Charge	\$0.06426	\$0.08426	<u>\$41.77</u>	<u>\$54.77</u>
13					
14			Total Bill	\$122.20	\$135.20
15					
16					\$13.00
17					10.64%

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