

REDACTED

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

1	March 2020 Medium and Large C&I Energy Service kWhs	8,176,266
2	March 2020 Total Medium and Large C&I kWhs	39,290,032
3	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	20.81%

Section 2: Projected Medium and Large C&I Default Service kWhs, August 2020 - January 2021

	August (a)	September (b)	October (c)	November (d)	December (e)	January (f)	Total (g)	
4	Projected Total Company Medium and Large kWhs	52,070,846	46,129,800	44,136,412	40,293,364	41,226,545	42,950,130	266,807,098
5	Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	20.81%	20.81%	20.81%	20.81%	20.81%	20.81%	20.81%
6	Projected Medium and Large C&I Energy Service kWhs	10,835,957	9,599,624	9,184,799	8,385,060	8,579,255	8,937,933	55,522,627

Section 3: Medium and Large C&I Default Service Load Weighting for August 2020 - January 2021

7	Projected Medium and Large C&I Energy Service kWhs	10,835,957	9,599,624	9,184,799	8,385,060	8,579,255	8,937,933	55,522,627
8	Loss Factor							
9	Wholesale Contract Price (\$/MWh)							
10	Base Energy Service Rate (\$/kWh)	\$0.05164	\$0.04998	\$0.05218	\$0.06323	\$0.07701	\$0.09072	
11	Energy Service Reconciliation Adjustment Factor (\$/kWh)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	
12	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00081	\$0.00081	\$0.00081	\$0.00081	\$0.00081	\$0.00081	
13	Renewable Portfolio Standard Adder (\$/kWh)	\$0.00743	\$0.00743	\$0.00743	\$0.00743	\$0.00743	\$0.00743	
14	Total Estimated Medium and Large C&I Energy Service Price per kWh	\$0.05610	\$0.05444	\$0.05664	\$0.06769	\$0.08147	\$0.09518	

- 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 2020 Medium and Large C&I Energy Service kWhs	27,991,237
2	March 2020 Total Medium and Large C&I kWhs	<u>31,802,352</u>
3	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	88.02%

Section 2: Projected Residential and Small C&I Default Service kWhs, August 2020 - January 2021

	August	September	October	November	December	January	Total	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
4	Projected Total Company Residential and Small C&I kWhs	35,023,204	28,580,933	28,082,262	29,669,534	35,381,728	37,652,615	194,390,276
5	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	<u>88.02%</u>	
6	Projected Residential and Small C&I Energy Service kWhs	30,826,110	25,155,865	24,716,953	26,114,010	31,141,670	33,140,419	171,095,027

Section 3: Residential and Small C&I Default Service Load Weighting for August 2020 - January 2021

7	Projected Residential and Small C&I Energy Service kWhs	30,826,110	25,155,865	24,716,953	26,114,010	31,141,670	33,140,419	171,095,027
8	Loss Factor							
9	Wholesale Contract Price (\$/MWh)							
10	Base Residential and Small C&I Energy Service Rate (\$/kWh)	\$0.05075	\$0.05332	\$0.05324	\$0.06120	\$0.07383	\$0.08664	
11	Energy Service Reconciliation Adjustment Factor (\$/kWh)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	(\$0.00378)	
12	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00037	\$0.00037	\$0.00037	\$0.00037	\$0.00037	\$0.00037	
13	Proposed Renewable Portfolio Standard Adder (\$/kWh)	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	<u>\$0.00743</u>	
14	Total Estimated Residential and Small C&I Energy Service Price per kWh	\$0.05477	\$0.05734	\$0.05726	\$0.06522	\$0.07785	\$0.09066	
15	Projected Residential and Small C&I Energy Service Base Cost, August 2020 - January 2021	<u>\$1,564,425</u>	<u>\$1,341,311</u>	<u>\$1,315,931</u>	<u>\$1,598,177</u>	<u>\$2,299,189</u>	<u>\$2,871,286</u>	<u>\$10,990,319</u>
16	Weighted Average Base Residential and Small C&I Energy Service Charge for August 2020 - January 2021							\$0.06423
17	Projected Residential and Small C&I Energy Service Cost, August 2020 - January 2021	<u>\$1,688,346</u>	<u>\$1,442,437</u>	<u>\$1,415,293</u>	<u>\$1,703,156</u>	<u>\$2,424,379</u>	<u>\$3,004,510</u>	<u>\$11,678,121</u>
18	Weighted Average Residential and Small C&I Energy Service Charge for August 2017 - January 2018							\$0.06825

- 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)
- 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 (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 L berty Utilities
Base Energy Service Reconciliation
August 2019 - July 2020

	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-19	\$ -	\$ 2,794,030	\$ 2,432,721	\$ (361,309)	\$ (361,309)	\$ (180,655)	5.25%	\$ (790)	\$ (790)
[2]	Sep-19	\$ (362,100)	\$ 2,477,100	\$ 2,173,684	\$ (303,415)	\$ (665,515)	\$ (513,807)	5.25%	\$ (2,248)	\$ (3,038)
[3]	Oct-19	\$ (667,763)	\$ 2,366,815	\$ 2,160,924	\$ (205,891)	\$ (873,654)	\$ (770,709)	5.00%	\$ (3,211)	\$ (6,250)
[4]	Nov-19	\$ (876,865)	\$ 2,577,931	\$ 2,574,838	\$ (3,093)	\$ (879,958)	\$ (878,412)	4.75%	\$ (3,477)	\$ (9,727)
[5]	Dec-19	\$ (883,435)	\$ 3,477,246	\$ 3,940,640	\$ 463,393	\$ (420,042)	\$ (651,738)	4.75%	\$ (2,580)	\$ (12,306)
[6]	Jan-20	\$ (422,622)	\$ 3,541,268	\$ 4,604,350	\$ 1,063,081	\$ 640,460	\$ 108,919	4.75%	\$ 431	\$ (11,875)
[7]	Feb-20	\$ 640,891	\$ 2,824,526	\$ 4,008,590	\$ 1,184,064	\$ 1,824,955	\$ 1,232,923	4.75%	\$ 4,880	\$ (6,995)
[8]	Mar-20	\$ 1,829,836	\$ 2,481,699	\$ 3,358,219	\$ 876,520	\$ 2,706,355	\$ 2,268,095	4.75%	\$ 8,978	\$ 1,983
[9]	Apr-20	\$ 2,715,333	\$ 2,171,616	\$ 2,267,594	\$ 95,978	\$ 2,811,312	\$ 2,763,322	3.25%	\$ 7,484	\$ 9,467
[10]	May-20	\$ 2,818,796	\$ 2,440,613	\$ 1,036,590	\$ (1,404,024)	\$ 1,414,772	\$ 2,116,784	3.25%	\$ 5,733	\$ 15,200
[11]*	Jun-20	\$ 1,420,505	\$ 2,702,877	\$ 1,672,028	\$ (1,030,849)	\$ 389,656	\$ 905,080	3.25%	\$ 2,451	\$ 17,651
[12]*	Jul-20	\$ 392,107	\$ 3,291,414	\$ 2,465,313	\$ (826,101)	\$ (433,994)	\$ (20,943)	3.25%	\$ (57)	\$ 17,594
			\$ 33,147,136	\$ 32,695,491						

Cumulative (Over)/Under Collection of Base Energy Service: \$ (434,051)

- (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 Utilities
DE 20-053 Energy Service Reconciliation
Schedule AMH/DBS-3 Base ES Reconciliation
Page 2 of 3

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Energy Service Revenue
August 2019 - July 2020

	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-19	\$ 2,738,608	\$ 238,476	\$ (363,686)	\$ 69,788	\$ 2,794,030
[2]	Sep-19	\$ 2,435,157	\$ 188,609	\$ (287,638)	\$ 57,087	\$ 2,477,100
[3]	Oct-19	\$ 2,330,944	\$ 161,400	\$ (246,142)	\$ 48,871	\$ 2,366,815
[4]	Nov-19	\$ 2,540,306	\$ 165,666	\$ (252,648)	\$ 49,357	\$ 2,577,931
[5]	Dec-19	\$ 3,427,846	\$ 210,624	\$ (321,212)	\$ 61,187	\$ 3,477,246
[6]	Jan-20	\$ 3,496,149	\$ 244,494	\$ (359,524)	\$ 69,910	\$ 3,541,268
[7]	Feb-20	\$ 2,842,950	\$ 277,883	\$ (321,265)	\$ 61,806	\$ 2,824,526
[8]	Mar-20	\$ 2,500,271	\$ 267,537	\$ (309,304)	\$ 60,339	\$ 2,481,699
[9]	Apr-20	\$ 2,187,061	\$ 246,567	\$ (285,060)	\$ 53,939	\$ 2,171,616
[10]	May-20	\$ 2,458,242	\$ 234,873	\$ (271,541)	\$ 54,296	\$ 2,440,613
[11]*	Jun-20	\$ 2,721,930	\$ 260,083	\$ (300,686)	\$ 59,657	\$ 2,702,877
[12]*	Jul-20	\$ 3,312,617	\$ 300,633	\$ (347,568)	\$ 68,137	\$ 3,291,414
	Total	\$ 32,992,080	\$ 2,796,844	\$ (3,666,276)	\$ 714,376	\$ 33,147,136

(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 Utilities
 DE 20-053 Energy Service Reconciliation
 Schedule AMH/DBS-3 Base ES Reconciliation
 Page 3 of 3

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
 Energy Service Expense Calculation
 August 2019 - July 2020

		<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-19	\$ 2,432,834	\$ 113	\$ 2,432,721
[2]	Sep-19	\$ 2,173,684	\$ -	\$ 2,173,684
[3]	Oct-19	\$ 2,264,978	\$ 104,054	\$ 2,160,924
[4]	Nov-19	\$ 2,574,838	\$ -	\$ 2,574,838
[5]	Dec-19	\$ 4,016,308	\$ 75,668	\$ 3,940,640
[6]	Jan-20	\$ 4,833,845	\$ 229,495	\$ 4,604,350
[7]	Feb-20	\$ 4,036,590	\$ 28,000	\$ 4,008,590
[8]	Mar-20	\$ 3,358,219	\$ -	\$ 3,358,219
[9]	Apr-20	\$ 2,325,622	\$ 58,028	\$ 2,267,594
[10]	May-20	\$ 1,188,214	\$ 151,624	\$ 1,036,590
[11]*	Jun-20	\$ 2,021,360	\$ 349,332	\$ 1,672,028
[12]*	Jul-20	\$ 2,465,313	\$ -	\$ 2,465,313
	Total	\$ 33,691,805	\$ 996,314	\$ 32,695,491

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

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Renewable Portfolio Standard Reconciliation
2019 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-19	\$ -	\$ 114,350	\$ 656,835	\$ 542,485	\$ 542,485	\$ 271,243	5.50%	\$ 1,243	\$ 1,243
[2]	Aug-19	\$ 543,728	\$ 238,476	\$ 113	\$ (238,363)	\$ 305,365	\$ 424,547	5.25%	\$ 1,857	\$ 3,101
[3]	Sep-19	\$ 307,223	\$ 188,609	\$ -	\$ (188,609)	\$ 118,613	\$ 212,918	5.25%	\$ 932	\$ 4,032
[4]	Oct-19	\$ 119,545	\$ 161,400	\$ 104,054	\$ (57,346)	\$ 62,199	\$ 90,872	5.00%	\$ 379	\$ 4,411
[5]	Nov-19	\$ 62,578	\$ 165,666	\$ -	\$ (165,666)	\$ (103,088)	\$ (20,255)	4.75%	\$ (80)	\$ 4,331
[6]	Dec-19	\$ (103,168)	\$ 210,624	\$ 75,668	\$ (134,956)	\$ (238,125)	\$ (170,646)	4.75%	\$ (675)	\$ 3,655
[7]	Jan-20	\$ (238,800)	\$ 244,494	\$ 229,495	\$ (14,999)	\$ (253,799)	\$ (246,299)	4.75%	\$ (975)	\$ 2,680
[8]	Feb-20	\$ (254,774)	\$ 277,883	\$ 28,000	\$ (249,883)	\$ (504,656)	\$ (379,715)	4.75%	\$ (1,503)	\$ 1,177
[9]	Mar-20	\$ (506,159)	\$ 267,537	\$ -	\$ (267,537)	\$ (773,696)	\$ (639,928)	4.75%	\$ (2,533)	\$ (1,356)
[10]	Apr-20	\$ (776,229)	\$ 246,567	\$ 58,028	\$ (188,538)	\$ (964,767)	\$ (870,498)	3.25%	\$ (2,358)	\$ (3,714)
[11]	May-20	\$ (967,125)	\$ 234,873	\$ 151,624	\$ (83,250)	\$ (1,050,375)	\$ (1,008,750)	3.25%	\$ (2,732)	\$ (6,446)
[12]*	Jun-20	\$ (1,053,107)	\$ 260,083	\$ 349,332	\$ 89,249	\$ (963,857)	\$ (1,008,482)	3.25%	\$ (2,731)	\$ (9,177)
			\$ 2,610,561	\$ 1,653,149						

Cumulative (Over)/Under Collection of RPS Compliance Costs \$ (966,589)

- (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 Utilities
 Calculation of Energy Service Adjustment Factor
 Effective August 1, 2020

[1] Base Energy Service (Over)/Under Collection	\$	(434,051)
[2] Energy Service Adjustment Factor (Over)/Under Collection	\$	(283,735)
[3] RPS (Over)/Under Collection	\$	(966,589)
[4] Total (Over)/Under Collection	\$	(1,684,374)
[5] Estimated Energy Service kWh Deliveries		445,195,378
[6] Energy Service Adjustment Factor per kWh	\$	(0.00378)

- [1] Schedule AMH/DBS-3, Page 1
- [2] Schedule AMH/DBS-5 Page 2
- [3] Schedule AMH/DBS-4
- [4] Sum of Lines 1 - 3
- [5] Per Company forecast August 2019 - July 2020
- [6] Line (4) ÷ Line (5), truncated after 5 decimal places

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
DE 20-053 Energy Service Reconciliation
Schedule AMH/DBS-5 ES Adjustment Factor Reconciliation
Page 2 of 2

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
Reconciliation of Energy Service Adjustment Factor (Over)/Under
Balance Incurred August 2019 - July 2020

	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-19	\$ (3,851,755)	\$ (363,686)	\$ (3,488,068)	\$ (3,669,912)	5.25%	\$ (16,056)	\$ (16,056)
[2]	Sep-19	\$ (3,504,124)	\$ (287,638)	\$ (3,216,486)	\$ (3,360,305)	5.25%	\$ (14,701)	\$ (30,757)
[3]	Oct-19	\$ (3,231,188)	\$ (246,142)	\$ (2,985,045)	\$ (3,108,117)	5.00%	\$ (12,950)	\$ (43,708)
[4]	Nov-19	\$ (2,997,996)	\$ (252,648)	\$ (2,745,347)	\$ (2,871,672)	4.75%	\$ (11,367)	\$ (55,075)
[5]	Dec-19	\$ (2,756,715)	\$ (321,212)	\$ (2,435,503)	\$ (2,596,109)	4.75%	\$ (10,276)	\$ (65,351)
[6]	Jan-20	\$ (2,445,779)	\$ (359,524)	\$ (2,086,255)	\$ (2,266,017)	4.75%	\$ (8,970)	\$ (74,321)
[7]	Feb-20	\$ (2,095,224)	\$ (321,265)	\$ (1,773,959)	\$ (1,934,592)	4.75%	\$ (7,658)	\$ (81,978)
[8]	Mar-20	\$ (1,781,617)	\$ (309,304)	\$ (1,472,313)	\$ (1,626,965)	4.75%	\$ (6,440)	\$ (88,418)
[9]	Apr-20	\$ (1,478,753)	\$ (285,060)	\$ (1,193,693)	\$ (1,336,223)	3.25%	\$ (3,619)	\$ (92,037)
[10]	May-20	\$ (1,197,312)	\$ (271,541)	\$ (925,770)	\$ (1,061,541)	3.25%	\$ (2,875)	\$ (94,912)
[11]*	Jun-20	\$ (928,645)	\$ (300,686)	\$ (627,959)	\$ (778,302)	3.25%	\$ (2,108)	\$ (97,020)
[12]*	Jul-20	\$ (630,067)	\$ (347,568)	\$ (282,499)	\$ (456,283)	3.25%	\$ (1,236)	\$ (98,256)

\$ (3,666,276)

Total (Over)/Under Collection: \$ (283,735)

- (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 Utilities
 Energy Service Cost Reclassification Adjustment Factor (ESCRAF)
 Effective August 1, 2020

	<u>Total</u>	<u>Residential and Small C&I</u>	<u>Medium and Large C&I</u>
[1] Total Forecast of 2020 Costs	\$ 271,389	\$ 156,751	\$ 114,639
[2] Overcollection Related to ESCRAF	\$ (56,654)	\$ (32,722.50)	\$ (23,931)
[3] Net Estimated Commodity Related Costs	\$ 214,735	\$ 124,028	\$ 90,707
[4] Estimated Forecast Energy Service kWh Deliveries	<u>445,195,378</u>	<u>333,360,874</u>	<u>111,834,504</u>
[5] 2020 ESCRAF per kWh	\$ 0.00048	\$ 0.00037	\$ 0.00081

(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 Liberty Utilities
 Energy Service Cost Reclassification Adjustment Factor (ESCRAF) Reconciliation
 August 2019 - July 2020

	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-19	\$ 369,071	\$ 69,788	\$ 23,417	\$ (46,371)	\$ 322,700	\$ 345,886	5.25%	\$ 1,513	\$ 1,513
[2]	Sep-19	\$ 324,213	\$ 57,087	\$ 19,343	\$ (37,744)	\$ 286,470	\$ 305,341	5.25%	\$ 1,336	\$ 2,849
[3]	Oct-19	\$ 287,805	\$ 48,871	\$ 21,743	\$ (27,129)	\$ 260,677	\$ 274,241	5.00%	\$ 1,143	\$ 3,992
[4]	Nov-19	\$ 261,820	\$ 49,357	\$ 25,706	\$ (23,652)	\$ 238,168	\$ 249,994	4.75%	\$ 990	\$ 4,981
[5]	Dec-19	\$ 239,157	\$ 61,187	\$ 32,757	\$ (28,430)	\$ 210,727	\$ 224,942	4.75%	\$ 890	\$ 5,872
[6]	Jan-20	\$ 211,618	\$ 69,910	\$ 34,315	\$ (35,595)	\$ 176,023	\$ 193,820	4.75%	\$ 767	\$ 6,639
[7]	Feb-20	\$ 176,790	\$ 61,806	\$ 26,827	\$ (34,980)	\$ 141,810	\$ 159,300	4.75%	\$ 631	\$ 7,270
[8]	Mar-20	\$ 142,441	\$ 60,339	\$ 23,710	\$ (36,629)	\$ 105,812	\$ 124,127	4.75%	\$ 491	\$ 7,761
[9]	Apr-20	\$ 106,304	\$ 53,939	\$ 20,179	\$ (33,760)	\$ 72,544	\$ 89,424	3.25%	\$ 242	\$ 8,003
[10]	May-20	\$ 72,786	\$ 54,296	\$ 17,516	\$ (36,781)	\$ 36,005	\$ 54,395	3.25%	\$ 147	\$ 8,150
[11]*	Jun-20	\$ 36,152	\$ 59,657	\$ 17,516	\$ (42,141)	\$ (5,989)	\$ 15,082	3.25%	\$ 41	\$ 8,191
[12]*	Jul-20	\$ (5,948)	\$ 68,137	\$ 17,516	\$ (50,621)	\$ (56,569)	\$ (31,258)	3.25%	\$ (85)	\$ 8,107
			\$ 714,376	\$ 280,545						

Cumulative (Over)/Under Collection of Energy Service Cost Reclassification Adjustment Provision: \$ (56,654)

- (a1) Estimated July 2019 ending balance in DE 19-059, Bates 131
- (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 Utilities
 Energy Service Cost Reclassification Adjustment Factor (ESCRAF)
 Expense Summary August 2019 - July 2020

	<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	\$22,180	\$11,090	\$11,090
<u>Direct Retail:</u>			
[2] Bad Debt Expense	<u>\$130,516</u>	<u>\$76,286</u>	<u>\$54,231</u>
<u>Cash Working Capital:</u>			
[3] Working Capital Impact	<u>\$118,693</u>	<u>\$69,375</u>	<u>\$49,318</u>
[4] Total Estimated Commodity Related Costs	\$271,390	\$156,751	\$114,639

- (1) Schedule AMH/DBS-6 Page 4 Column (a), allocated evenly
- (2) Bad debt calculation August 2019 - July 2020. 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 Utilities
DE 20-053 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 Utilities
Energy Service Cost Reclassification Adjustment Factor Expenses
August 2019 - July 2020

		Payroll and Other Admin Expenses (a)	Bad Debt Expense (b)	Cash Working Capital Expense (c)	Total Expense (d)
[1]	Aug-19	\$1,163	\$11,601	\$10,654	\$23,417
[2]	Sep-19	\$0	\$8,689	\$10,654	\$19,343
[3]	Oct-19	\$1,512	\$9,577	\$10,654	\$21,743
[4]	Nov-19	\$4,012	\$11,040	\$10,654	\$25,706
[5]	Dec-19	\$4,710	\$17,394	\$10,654	\$32,757
[6]	Jan-20	\$2,616	\$21,045	\$10,654	\$34,315
[7]	Feb-20	\$465	\$15,707	\$10,654	\$26,827
[8]	Mar-20	\$119	\$12,937	\$10,654	\$23,710
[9]	Apr-20	\$776	\$8,749	\$10,654	\$20,179
[10]	May-20	\$2,269	\$4,593	\$10,654	\$17,516
[11]*	Jun-20	\$2,269	\$4,593	\$10,654	\$17,516
[12]*	Jul-20	\$2,269	\$4,593	\$10,654	\$17,516
	Total	\$22,180	\$130,516	\$127,848	\$280,545

(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 Utilities
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] 2019 Purchase Power Costs	(37.241)	-10.20%	16.41%	6.21%	\$ 39,618,867	\$ 2,460,332
[2] Renewable Portfolio Standard	(226.609)	-62.08%	16.41%	-45.67%	\$ 2,610,561	<u>\$ (1,192,243)</u>
[3] Working Capital Requirement						\$ 1,268,088
[4] Capital Structure Post-tax						7.60%
[5] Working Capital Impact						<u>\$ 96,375</u>
[6] Capital Structure Pre-tax						<u>9.36%</u>
[7] Working Capital Impact						\$ 118,693

Columns:

- [1](a) Schedule AMH/DBS-6 Page 6
- (b) Column (a) ÷ 365
- (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) ÷ 365
- (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 Utilities
Energy Service Cost Reclassification Adjustment Factor Expenses

Invoice Month	Expense Description	Invoice Amount	Mid-Point Service Period	Invoice Date	Due Date	Payment Date	Elapsed Days	% of Total	Weighted Days
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
January 2019	Current Charge for January 2019	\$ 4,097,462.62	1/16/2019	2/10/2019	2/20/2019	2/20/2019	35	10.34%	3.62
January 2019	Supplier Reallocation for September 2018	\$ (7,493.49)	1/16/2019	2/19/2019	3/1/2019	3/20/2019	63	-0.02%	(0.01)
January 2019	Current Charge for January 2019	\$ 1,249,961.12	1/16/2019	2/15/2019	2/28/2019	2/28/2019	43	3.15%	1.36
February 2019	Current Charge for February 2019	\$ 3,976,978.53	2/15/2019	3/19/2019	3/29/2019	3/29/2019	42	10.04%	4.22
February 2019	Supplier Reallocation for October 2018	\$ (80,195.66)	2/15/2019	3/11/2019	3/21/2019	3/20/2019	33	-0.20%	(0.07)
February 2019	Current Charge for February 2019	\$ 1,254,038.02	2/15/2019	3/19/2019	3/29/2019	3/29/2019	42	3.17%	1.33
February 2019	Supplier Reallocation for October 2018	\$ 18,119.51	2/15/2019	3/8/2019	3/20/2019	3/19/2019	32	0.05%	0.01
March 2019	Current Charge for March 2019	\$ 2,845,754.03	3/15/2019	4/10/2019	4/22/2019	4/22/2019	38	7.18%	2.73
March 2019	Supplier Reallocation for November 2018	\$ (29,285.71)	3/15/2019	4/12/2019	4/22/2019	4/22/2019	38	-0.07%	(0.03)
March 2019	Current Charge for March 2019	\$ 1,093,397.36	3/15/2019	4/10/2019	4/22/2019	4/22/2019	38	2.76%	1.05
March 2019	Supplier Reallocation for November 2018	\$ 25,021.48	3/15/2019	4/15/2019	4/22/2019	4/18/2019	34	0.06%	0.02
April 2019	Current Charge for April 2019	\$ 1,954,674.90	4/16/2019	5/14/2019	5/20/2019	5/20/2019	34	4.93%	1.68
April 2019	Supplier Reallocation for December 2018	\$ (9,876.78)	4/16/2019	5/14/2019	5/24/2019	5/20/2019	34	-0.02%	(0.01)
April 2019	Current Charge for April 2019	\$ 1,570,404.10	4/16/2019	5/22/2019	6/6/2019	6/6/2019	51	3.96%	2.02
April 2019	Current Charge for April 2019	\$ 706,494.18	4/16/2019	5/14/2019	5/20/2019	5/20/2019	34	1.78%	0.61
May 2019	Current Charge for May 2019	\$ 1,718,257.26	5/16/2019	6/11/2019	6/20/2019	6/20/2019	35	4.34%	1.52
May 2019	Supplier Reallocation for January 2019	\$ (42,734.41)	5/16/2019	6/17/2019	6/27/2019	6/20/2019	35	-0.11%	(0.04)
May 2019	Current Charge for May 2019	\$ 655,061.26	5/16/2019	6/11/2019	6/20/2019	6/20/2019	35	1.65%	0.58
May 2019	Supplier Reallocation for December 2018	\$ (7,278.94)	5/16/2019	6/17/2019	6/27/2019	7/9/2019	54	-0.02%	(0.01)
May 2019	Supplier Reallocation for January 2019	\$ (24,415.80)	5/16/2019	6/17/2019	6/27/2019	7/9/2019	54	-0.06%	(0.03)
June 2019	Current Charge for June 2019	\$ 588,358.84	6/15/2019	7/9/2019	7/20/2019	7/19/2019	34	1.49%	0.50
June 2019	Current Charge for June 2019	\$ 1,671,551.00	6/15/2019	7/10/2019	7/22/2019	7/22/2019	37	4.22%	1.56
July 2019	Current Charge for July 2019	\$ 766,124.03	7/16/2019	8/6/2019	8/20/2019	8/20/2019	35	1.93%	0.68
July 2019	Supplier Reallocation for February 2019	\$ (30,514.93)	7/16/2019	8/12/2019	8/22/2019	8/20/2019	35	-0.08%	(0.03)
July 2019	Supplier Reallocation for February 2019	\$ (163,476.14)	7/16/2019	8/12/2019	8/22/2019	8/20/2019	35	-0.41%	(0.14)
July 2019	Current Charge for July 2019	\$ 2,404,899.32	7/16/2019	8/7/2019	8/20/2019	8/20/2019	35	6.07%	2.12
July 2019	Supplier Reallocation for March 2019	\$ 176,383.28	7/16/2019	8/12/2019	8/20/2019	8/20/2019	35	0.45%	0.16
July 2019	Supplier Reallocation for March 2019	\$ (93,049.36)	7/16/2019	8/15/2019	8/25/2019	8/20/2019	35	-0.23%	(0.08)
August 2019	Current Charge for August 2019	\$ 606,775.81	8/16/2019	9/11/2019	9/20/2019	9/20/2019	35	1.53%	0.54
August 2019	Supplier Reallocation for April 2019	\$ 2,282.09	8/16/2019	9/11/2019	9/20/2019	9/20/2019	35	0.01%	0.00
August 2019	Supplier Reallocation for April 2019	\$ (10,158.65)	8/16/2019	9/13/2019	9/23/2019	9/20/2019	35	-0.03%	(0.01)
August 2019	Current Charge for August 2019	\$ 1,913,505.44	8/16/2019	9/10/2019	9/20/2019	9/20/2019	35	4.83%	1.69
August 2019	Broker Charge	\$ 259.38	8/16/2019	7/1/2019	7/31/2019	7/31/2019	(16)	0.00%	(0.00)
August 2019	Broker Charge	\$ 259.38	8/16/2019	8/1/2019	8/31/2019	8/31/2019	15	0.00%	0.00
August 2019	Broker Charge	\$ 259.38	8/16/2019	9/1/2019	9/30/2019	9/30/2019	45	0.00%	0.00
September 2019	Current Charge for September 2019	\$ 501,978.61	9/15/2019	10/10/2019	10/21/2019	10/21/2019	36	1.27%	0.46
September 2019	Supplier Reallocation for May 2019	\$ 6,498.40	9/15/2019	10/10/2019	10/21/2019	10/21/2019	36	0.02%	0.01
September 2019	Supplier Reallocation for May 2019	\$ 5,926.38	9/15/2019	10/7/2019	10/20/2019	10/18/2019	33	0.01%	0.00
September 2019	Current Charge for September 2019	\$ 1,648,944.81	9/15/2019	10/10/2019	10/21/2019	10/21/2019	36	4.16%	1.50
September 2019	Broker Charge	\$ 346.88	9/15/2019	10/1/2019	10/30/2019	10/30/2019	45	0.00%	0.00
October 2019	Current Charge for October 2019	\$ 531,543.91	10/16/2019	11/7/2019	11/20/2019	11/20/2019	35	1.34%	0.47
October 2019	Supplier Reallocation for June 2019	\$ 98,636.08	10/16/2019	11/8/2019	11/20/2019	11/20/2019	35	0.25%	0.09
October 2019	Supplier Reallocation for June 2019	\$ (13,583.69)	10/16/2019	11/13/2019	11/23/2019	11/20/2019	35	-0.03%	(0.01)
October 2019	Current Charge for October 2019	\$ 1,600,995.63	10/16/2019	11/7/2019	11/20/2019	11/20/2019	35	4.04%	1.41
October 2019	Broker Charge	\$ 346.88	10/16/2019	11/1/2019	11/25/2019	11/25/2019	40	0.00%	0.00
November 2019	Current Charge for November 2019	\$ 594,816.03	11/15/2019	12/10/2019	12/20/2019	12/20/2019	35	1.50%	0.53
November 2019	Supplier Reallocation for July 2019	\$ 197,491.57	11/15/2019	12/10/2019	12/20/2019	12/20/2019	35	0.50%	0.17
November 2019	Supplier Reallocation for July 2019	\$ (26,269.95)	11/15/2019	12/11/2019	12/21/2019	12/20/2019	35	-0.07%	(0.02)
November 2019	Current Charge for November 2019	\$ 1,890,521.09	11/15/2019	12/10/2019	12/20/2019	12/20/2019	35	4.77%	1.67
November 2019	Broker Charge	\$ 333.00	11/15/2019	12/1/2019	12/30/2019	12/30/2019	45	0.00%	0.00
December 2019	Current Charge for December 2019	\$ 2,852,722.00	12/16/2019	1/10/2020	1/21/2020	1/21/2020	36	7.20%	2.59
December 2019	Supplier Reallocation for August 2019	\$ 11,204.14	12/16/2019	1/10/2020	1/21/2020	1/21/2020	36	0.03%	0.01
December 2019	Current Charge for December 2019	\$ 918,279.37	12/16/2019	1/10/2020	1/21/2020	1/21/2020	36	2.32%	0.83
December 2019	Broker Charge	\$ 333.00	12/16/2019	1/1/2020	1/30/2020	1/30/2020	45	0.00%	0.00

[1] Total \$ 39,618,866.59 Days 37.24

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 Utilities
 DE 20-053 Energy Service Reconciliation
 Schedule AMH/DBS-6 ES Cost Reclassification Adj Factor
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Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities
 RPS Obligation Program Year 2019

Invoice <u>Month</u> (a)	Obligation <u>Amount</u> (b)	Mid-Point of Service <u>Period</u> (c)	<u>Due Date</u> (d)	Elapsed <u>(Days)</u> (e)	% of <u>Total</u> (f)	Weighted <u>Days</u> (g)
Jul-19	\$ 114,350	7/16/2019	3/31/2020	259	4.38%	11.34
Aug-19	\$ 238,476	8/16/2019	3/31/2020	228	9.14%	20.83
Sep-19	\$ 188,609	9/15/2019	3/31/2020	198	7.22%	14.31
Oct-19	\$ 161,400	10/16/2019	6/30/2020	258	6.18%	15.95
Nov-19	\$ 165,666	11/15/2019	6/30/2020	228	6.35%	14.47
Dec-19	\$ 210,624	12/16/2019	6/30/2020	197	8.07%	15.89
Jan-20	\$ 244,494	1/16/2020	9/30/2020	258	9.37%	24.16
Feb-20	\$ 277,883	2/14/2020	9/30/2020	229	10.64%	24.38
Mar-20	\$ 267,537	3/16/2020	9/30/2020	198	10.25%	20.29
Apr-20	\$ 246,567	4/15/2020	12/31/2020	260	9.44%	24.56
May-20	\$ 234,873	5/16/2020	12/31/2020	229	9.00%	20.60
Jun-20	\$ 260,083	6/15/2020	12/31/2020	199	9.96%	19.83
[1] Total	\$ 2,610,561				[2] Days	226.61

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 Utilities
Revenue Lead/Lag Applied to Energy Service

<u>Service Period</u>		Monthly Customer <u>Accts.Receivable</u> (a)	Monthly <u>Sales</u> (b)	Days <u>In Month</u> (c)	Average <u>Daily Revenues</u> (d)
1/1/2019	1/31/2019	\$ 12,580,711	\$ 9,515,464	31	\$ 306,950
2/1/2019	2/28/2019	\$ 13,005,398	\$ 9,380,825	28	\$ 335,029
3/1/2019	3/31/2019	\$ 12,657,160	\$ 9,096,737	31	\$ 293,443
4/1/2019	4/30/2019	\$ 10,864,616	\$ 7,854,039	30	\$ 261,801
5/1/2019	5/31/2019	\$ 10,192,848	\$ 7,335,491	31	\$ 236,629
6/1/2019	6/30/2019	\$ 10,479,746	\$ 7,154,520	30	\$ 238,484
7/1/2019	7/31/2019	\$ 11,446,569	\$ 8,649,182	31	\$ 279,006
8/1/2019	8/31/2019	\$ 12,769,661	\$ 9,363,308	31	\$ 302,042
9/1/2019	9/30/2019	\$ 11,346,141	\$ 7,648,644	30	\$ 254,955
10/1/2019	10/31/2019	\$ 9,468,822	\$ 6,807,193	31	\$ 219,587
11/1/2019	11/30/2019	\$ 10,262,652	\$ 6,905,386	30	\$ 230,180
12/1/2019	12/31/2019	\$ 10,781,310	\$ 8,319,085	31	\$ 268,358
Average		\$ 11,321,303			\$ 268,872

[1] Service Lag	15.21
[2] Collection Lag	42.11
[3] Billing Lag	<u>2.59</u>
[4] Total Average Days Lag	59.90
[5] Customer Payment Lag-annual percent	16.41%

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) ÷ 365

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

Usage 650 kWh

	May 1, 2020	August 1, 2020	May 1, 2020	August 1, 2020
	<u>Rates</u>	<u>Rates</u>	<u>Bill</u>	<u>Bill</u>
1 Customer Charge	\$14.74	\$14.74	\$14.74	\$14.74
2 Distribution Charge				
3 All kWh - Base Rate	\$0.04898	\$0.04898	\$31.84	\$31.84
4 All kWh - REP	\$0.00024	\$0.00024	\$0.16	\$0.16
5 All kWh - VMP	\$0.00008	\$0.00008	\$0.05	\$0.05
6 Storm Recovery Adjustment	\$0.00000	\$0.00000	\$0.00	\$0.00
7 Transmission Charge	\$0.02660	\$0.02660	\$17.29	\$17.29
8 Stranded Cost Charge	(\$0.00072)	(\$0.00072)	(\$0.47)	(\$0.47)
9 System Benefits Charge	\$0.00678	\$0.00678	\$4.41	\$4.41
10 Electricity Consumption Tax	\$0.00000	\$0.00000	<u>\$0.00</u>	<u>\$0.00</u>
11 Subtotal Retail Delivery Services			\$68.01	\$68.01
12				
13 Energy Service Charge	\$0.07193	\$0.06825	<u>\$46.75</u>	<u>\$44.36</u>
14				
15		Total Bill	\$114.77	\$112.38
16				