

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Large Customer Group Rates G-1 and G-2
Energy Service Rates Summary
August 2022 - January 2023

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

2 May 2022 Medium and Large C&I Energy Service kWhs	7,476,259
3 May 2022 Total Retail Medium and Large C&I kWhs	<u>38,345,821</u>
4 Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	19.50%

5 Section 2: Projected Medium and Large C&I Default Service kWhs, August 2022 - January 2023

	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>Total</u>
	(a)	(b)	(c)	(d)	(e)	(f)	(g)
6 Projected Total Company Medium and Large kWhs	51,067,687	44,611,940	43,187,748	40,680,602	41,012,373	42,021,328	262,581,677
7 Percentage of Medium and Large C&I Energy Service kWhs to Total Medium and Large C&I kWhs	<u>19.50%</u>	<u>19.50%</u>	<u>19.50%</u>	<u>19.50%</u>	<u>19.50%</u>	<u>19.50%</u>	
8 Projected Medium and Large C&I Energy Service kWhs	9,956,633	8,697,960	8,420,286	7,931,470	7,996,155	8,192,870	51,195,374

9 Section 3: Medium and Large C&I Default Service Load Weighting for August 2022 - January 2023

10 Projected Medium and Large C&I Energy Service kWhs	9,956,633	8,697,960	8,420,286	7,931,470	7,996,155	8,192,870	51,195,374
11 Loss Factor							
12 Wholesale Contract Price (\$/MWh)							
13 Base Energy Service Rate (\$/kWh)	\$0.17460	\$0.14954	\$0.14007	\$0.18737	\$0.33227	\$0.40113	
14 Energy Service Adjustment Factor (\$/kWh)	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	
15 Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00250	\$0.00250	\$0.00250	\$0.00250	\$0.00250	\$0.00250	
16 <u>Renewable Portfolio Standard Adder (\$/kWh)</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	
17 Total Estimated Medium and Large C&I Energy Service Price per kWh	\$0.18587	\$0.16081	\$0.15134	\$0.19864	\$0.34354	\$0.41240	

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 HMT/AMH-5 Page 1, Line 6

12 Schedule HMT/AMH-6 Page 1, Line 5

13 Schedule JDW-2 Exhibit 11

14 Line (10) + Line (11) + Line (12) + Line (13)

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Small Customer Group (Rates D, D-10, G-3, M, T and V)
Energy Service Rates Summary
August 2022 - January 2023

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

2	May 2022 Residential and Small C&I Energy Service kWhs	24,650,825
3	May 2022 Total Retail Residential and Small C&I kWhs	<u>27,415,248</u>
4	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	89.92%

5 Section 2: Projected Residential and Small C&I Default Service kWhs, August 2022 - January 2023

	August	September	October	November	December	January	Total	
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	
6	Projected Total Company Residential and Small C&I kWhs	36,527,145	29,699,178	29,333,867	31,356,299	37,112,700	39,051,527	203,080,716
7	Percentage of Residential and Small C&I Energy Service kWhs to Total Residential & Small C&I kWhs	<u>89.92%</u>	<u>89.92%</u>	<u>89.92%</u>	<u>89.92%</u>	<u>89.92%</u>	<u>89.92%</u>	
8	Projected Residential and Small C&I Energy Service kWhs	32,843,921	26,704,454	26,375,980	28,194,479	33,370,432	35,113,757	182,603,024

9 Section 3: Residential and Small C&I Default Service Load Weighting for August 2022 - January 2023

10	Projected Residential and Small C&I Energy Service kWhs	32,843,921	26,704,454	26,375,980	28,194,479	33,370,432	35,113,757	182,603,024
11	Loss Factor							
12	Wholesale Contract Price (\$/MWh)							
13	Base Residential and Small C&I Energy Service Rate (\$/kWh)	\$0.16657	\$0.14511	\$0.13597	\$0.17335	\$0.28109	\$0.33256	
14	Energy Service Adjustment Factor (\$/kWh)	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	\$0.00096	
15	Energy Service Cost Reclassification Adjustment Factor (\$/kWh)	\$0.00061	\$0.00061	\$0.00061	\$0.00061	\$0.00061	\$0.00061	
16	Proposed Renewable Portfolio Standard Adder (\$/kWh)	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	<u>\$0.00781</u>	
17	Total Estimated Residential and Small C&I Energy Service Price per kWh	\$0.17595	\$0.15449	\$0.14535	\$0.18273	\$0.29047	\$0.34194	
18	Projected Residential and Small C&I Energy Service Base Cost, August 2022 - January 2023	<u>\$5,470.812</u>	<u>\$3,875.083</u>	<u>\$3,586.342</u>	<u>\$4,887.513</u>	<u>\$9,380.095</u>	<u>\$11,677.431</u>	<u>\$38,877.276</u>
19	Weighted Average Base Residential and Small C&I Energy Service Charge for August 2022 - January 2023							\$0.21290
20	Projected Residential and Small C&I Energy Service Cost, August 2022 - January 2023	<u>\$5,778.888</u>	<u>\$4,125.571</u>	<u>\$3,833.749</u>	<u>\$5,151.977</u>	<u>\$9,693.110</u>	<u>\$12,006.798</u>	<u>\$40,590.092</u>
21	Weighted Average Residential and Small C&I Energy Service Charge for August 2022 - January 2023							\$0.22228

- 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 HMT/AMH-5 Page 1, Line 6
- 12 Schedule HMT/AMH-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
Energy Service Reconciliation
August 2021 - July 2022

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)
Aug-21	\$ -	\$ 3,393,763	\$ 2,671,267	\$ (722,496)	\$ (722,496)	\$ (361,248)	3.25%	\$ (978)	\$ (978)
Sep-21	\$ (723,474)	\$ 2,153,298	\$ 2,006,229	\$ (147,069)	\$ (870,543)	\$ (797,009)	3.25%	\$ (2,159)	\$ (3,137)
Oct-21	\$ (872,701)	\$ 2,387,638	\$ 1,919,723	\$ (467,915)	\$ (1,340,616)	\$ (1,106,659)	3.25%	\$ (2,997)	\$ (6,134)
Nov-21	\$ (1,343,614)	\$ 2,780,579	\$ 2,546,835	\$ (233,744)	\$ (1,577,358)	\$ (1,460,486)	3.25%	\$ (3,955)	\$ (10,090)
Dec-21	\$ (1,581,313)	\$ 3,302,378	\$ 3,809,536	\$ 507,158	\$ (1,074,155)	\$ (1,327,734)	3.25%	\$ (3,596)	\$ (13,686)
Jan-22	\$ (1,077,751)	\$ 3,781,069	\$ 5,365,965	\$ 1,584,896	\$ 507,145	\$ (285,303)	3.25%	\$ (773)	\$ (14,458)
Feb-22	\$ 506,372	\$ 4,590,261	\$ 7,483,414	\$ 2,893,153	\$ 3,399,525	\$ 1,952,948	3.25%	\$ 5,289	\$ (9,169)
Mar-22	\$ 3,404,814	\$ 4,104,551	\$ 4,648,536	\$ 543,985	\$ 3,948,799	\$ 3,676,806	3.25%	\$ 9,958	\$ 789
Apr-22	\$ 3,958,757	\$ 3,281,986	\$ 2,579,065	\$ (702,921)	\$ 3,255,836	\$ 3,607,296	3.50%	\$ 10,521	\$ 11,310
May-22	\$ 3,266,357	\$ 3,649,791	\$ 2,532,518	\$ (1,117,274)	\$ 2,149,083	\$ 2,707,720	3.50%	\$ 7,898	\$ 19,208
* Jun-22	\$ 2,156,981	\$ 3,599,084	\$ 1,741,628	\$ (1,857,456)	\$ 299,525	\$ 1,228,253	4.00%	\$ 4,094	\$ 23,302
* Jul-22	\$ 303,619	\$ 4,194,024	\$ 3,417,997	\$ (776,027)	\$ (472,408)	\$ (84,394)	4.00%	\$ (281)	\$ 23,021
		\$ 41,218,422	\$ 40,722,712						

Cumulative (Over)/Under Collection of Base Energy Service: \$ (472,689)

- (a) Prior Month Column (e) + Prior Month Column (h)
- (b) Monthly Revenue calculated on HMT/AMH-3 P2
- (c) Monthly Expenses calculated on HMT/AMH-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
Energy Service Revenue
August 2021 - July 2022

	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-21	\$ 3,710,727	\$ 282,395	\$ 60,277	\$ (25,708)	\$ 3,393,763
2	Sep-21	\$ 2,471,184	\$ 283,427	\$ 60,498	\$ (26,039)	\$ 2,153,298
3	Oct-21	\$ 2,624,778	\$ 211,652	\$ 45,177	\$ (19,689)	\$ 2,387,638
4	Nov-21	\$ 3,024,246	\$ 217,328	\$ 46,389	\$ (20,050)	\$ 2,780,579
5	Dec-21	\$ 3,599,509	\$ 264,686	\$ 56,497	\$ (24,052)	\$ 3,302,378
6	Jan-22	\$ 4,115,698	\$ 297,817	\$ 63,569	\$ (26,757)	\$ 3,781,069
7	Feb-22	\$ 4,929,707	\$ 302,316	\$ 64,529	\$ (27,400)	\$ 4,590,261
8	Mar-22	\$ 4,418,664	\$ 279,869	\$ 59,738	\$ (25,495)	\$ 4,104,551
9	Apr-22	\$ 3,565,817	\$ 253,208	\$ 54,047	\$ (23,424)	\$ 3,281,986
10	May-22	\$ 3,896,016	\$ 219,749	\$ 46,906	\$ (20,430)	\$ 3,649,791
11 *	Jun-22	\$ 3,889,822	\$ 259,556	\$ 55,402	\$ (24,220)	\$ 3,599,084
12 *	Jul-22	\$ 4,525,009	\$ 295,270	\$ 63,025	\$ (27,309)	\$ 4,194,024
13	Total	\$ 44,771,178	\$ 3,167,272	\$ 676,055	\$ (290,572)	\$ 41,218,422

- (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)
- * Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Energy Service Expense Calculation
August 2021 - July 2022

		<u>Energy Service</u>		<u>RPS</u>		<u>Base Energy</u>
		<u>Expense</u>		<u>Expense</u>		<u>Service Expense</u>
		<u>(a)</u>		<u>(b)</u>		<u>(c)</u>
1	August-21	\$ 2,671,267	\$	-	\$	2,671,267
2	September-21	\$ 2,006,229	\$	-	\$	2,006,229
3	October-21	\$ 1,919,723	\$	26,193	\$	1,893,531
4	November-21	\$ 2,546,835	\$	-	\$	2,546,835
5	December-21	\$ 3,809,536	\$	-	\$	3,809,536
6	January-22	\$ 5,365,965	\$	99,075	\$	5,266,890
7	February-22	\$ 7,483,414	\$	84,600	\$	7,398,814
8	March-22	\$ 4,648,536	\$	-	\$	4,648,536
9	April-22	\$ 3,291,804	\$	712,739	\$	2,579,065
10	May-22	\$ 2,913,661	\$	372,500	\$	2,541,161
11	* June-22	\$ 2,642,907	\$	901,279	\$	1,741,628
12	* July-22	\$ 3,417,997	\$	-	\$	3,417,997
13	Total	\$ 42,717,873	\$	2,196,385	\$	40,521,488

(a) Per general ledger

(b) Schedule HMT/AMH-4, Page 1, Col. C

(c) Column (a) - Column (b)

* Projection

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Renewable Portfolio Standard Reconciliation
2021 Program Year

	Month	Beginning Balance	Revenue	Expense	Monthly (Over)/Under	Ending Balance	Balance Subject to Interest	Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Jul-21	\$ -	\$ 318,976	\$ 221,389	\$ (97,587)	\$ (97,587)	\$ (48,793)	3.25%	\$ (132)	\$ (132)
2	Aug-21	\$ (97,719)	\$ 282,395	\$ -	\$ (282,395)	\$ (380,114)	\$ (238,917)	3.25%	\$ (647)	\$ (779)
3	Sep-21	\$ (380,761)	\$ 283,427	\$ -	\$ (283,427)	\$ (664,189)	\$ (522,475)	3.25%	\$ (1,415)	\$ (2,194)
4	Oct-21	\$ (665,604)	\$ 211,652	\$ 26,193	\$ (185,460)	\$ (851,063)	\$ (758,333)	3.25%	\$ (2,054)	\$ (4,248)
5	Nov-21	\$ (853,117)	\$ 217,328	\$ -	\$ (217,328)	\$ (1,070,445)	\$ (961,781)	3.25%	\$ (2,605)	\$ (6,853)
6	Dec-21	\$ (1,073,050)	\$ 264,686	\$ -	\$ (264,686)	\$ (1,337,736)	\$ (1,205,393)	3.25%	\$ (3,265)	\$ (10,117)
7	Jan-22	\$ (1,341,000)	\$ 297,817	\$ 99,075	\$ (198,742)	\$ (1,539,742)	\$ (1,440,371)	3.25%	\$ (3,901)	\$ (14,019)
8	Feb-22	\$ (1,543,643)	\$ 302,316	\$ 84,600	\$ (217,716)	\$ (1,761,359)	\$ (1,652,501)	3.25%	\$ (4,476)	\$ (18,494)
9	Mar-22	\$ (1,765,835)	\$ 279,869	\$ -	\$ (279,869)	\$ (2,045,704)	\$ (1,905,769)	3.25%	\$ (5,161)	\$ (23,655)
10	Apr-22	\$ (2,050,865)	\$ 253,208	\$ 712,739	\$ 459,531	\$ (1,591,334)	\$ (1,821,100)	3.50%	\$ (5,312)	\$ (28,967)
11	May-22	\$ (1,596,645)	\$ 219,749	\$ 372,500	\$ 152,751	\$ (1,443,895)	\$ (1,520,270)	3.50%	\$ (4,434)	\$ (33,401)
12 *	Jun-22	\$ (1,448,329)	\$ 259,556	\$ 901,279	\$ 641,723	\$ (806,606)	\$ (1,127,467)	4.00%	\$ (3,758)	\$ (37,159)
13			\$ 3,190,979	\$ 2,417,774						

14 Cumulative (Over)/Under Collection of RPS Compliance Costs \$ (810,364)

- (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, 2022

[1] Base Energy Service (Over)/Under Collection	\$	(463,976)
[2] Energy Service Adjustment Factor (Over)/Under Collection	\$	1,794,769
[3] RPS (Over)/Under Collection	\$	(810,364)
[4] Total (Over)/Under Collection	\$	<u>520,429</u>
[5] Estimated Energy Service kWh Deliveries		537,854,824
[6] Energy Service Adjustment Factor per kWh	\$	0.00096

- [1] Schedule HMT/AMH-3, Page 1
- [2] Schedule HMT/AMH-5 Page 2
- [3] Schedule HMT/AMH-4
- [4] Sum of Lines 1 - 3
- [5] Per Company forecast August 2022 - July 2023
- [6] Line (4) ÷ Line (5), truncated after 5 decimal places

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty
Reconciliation of Energy Service Adjustment Factor (Over)/Under
Balance Incurred August 2021 - July 2022

	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-21	\$ 2,399,569	\$ 60,277	\$ 2,339,292	\$ 2,369,430	3.25%	\$ 6,417	\$ 6,417
2	Sep-21	\$ 2,345,709	\$ 60,498	\$ 2,285,211	\$ 2,315,460	3.25%	\$ 6,271	\$ 12,688
3	Oct-21	\$ 2,291,482	\$ 45,177	\$ 2,246,305	\$ 2,268,894	3.25%	\$ 6,145	\$ 18,833
4	Nov-21	\$ 2,252,450	\$ 46,389	\$ 2,206,061	\$ 2,229,256	3.25%	\$ 6,038	\$ 24,871
5	Dec-21	\$ 2,212,099	\$ 56,497	\$ 2,155,602	\$ 2,183,850	3.25%	\$ 5,915	\$ 30,785
6	Jan-22	\$ 2,161,516	\$ 63,569	\$ 2,097,947	\$ 2,129,732	3.25%	\$ 5,768	\$ 36,553
7	Feb-22	\$ 2,103,715	\$ 64,529	\$ 2,039,186	\$ 2,071,450	3.25%	\$ 5,610	\$ 42,164
8	Mar-22	\$ 2,044,796	\$ 59,738	\$ 1,985,058	\$ 2,014,927	3.25%	\$ 5,457	\$ 47,621
9	Apr-22	\$ 1,990,515	\$ 54,047	\$ 1,936,468	\$ 1,963,491	3.50%	\$ 5,727	\$ 53,347
10	May-22	\$ 1,942,194	\$ 46,906	\$ 1,895,289	\$ 1,918,742	3.50%	\$ 5,596	\$ 58,944
11 *	Jun-22	\$ 1,900,885	\$ 55,402	\$ 1,845,483	\$ 1,873,184	4.00%	\$ 6,244	\$ 65,188
12 *	Jul-22	\$ 1,851,727	\$ 63,025	\$ 1,788,702	\$ 1,820,214	4.00%	\$ 6,067	\$ 71,255
13			\$ 676,055					
14	Total (Over)/Under Collection: \$ 1,794,769							

- (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, 2022

	<u>Total</u>	<u>Residential and Small C&I</u>	<u>Medium and Large C&I</u>
1 Total Forecast of 2022 Costs	\$ 363,514	\$ 210,256	\$ 153,258
2 Overcollection Related to ESCRAF	\$ 120,544	\$ 69,723	\$ 50,821
3 Net Estimated Commodity Related Costs	\$ 484,058	\$ 279,979	\$ 204,079
4 Estimated Forecast Energy Service kWh Deliveries	<u>537,854,824</u>	<u>456,483,496</u>	<u>81,371,329</u>
5 2022 ESCRAF per kWh	\$ 0.00089	\$ 0.00061	\$ 0.00250

- (1) Forecast of costs using previous period; Schedule HMT/AMH-6, Page 3, Line 4
(2) Schedule HMT/AMH-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
Energy Service Cost Reclassification Adjustment Factor (ESCRAF) Reconciliation
August 2021 - July 2022

	Month	Beginning Balance	Revenue	Expense	Monthly (Over)/Under	Ending Balance	Balance Subject to Interest	Interest Rate	Interest	Cumulative Interest
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Aug-21	\$ (470,621)	\$ (25,708)	\$ 20,101	\$ 45,809	\$ (424,812)	\$ (447,716)	3.25%	\$ (1,213)	\$ (1,213)
2	Sep-21	\$ (426,024)	\$ (26,039)	\$ 17,719	\$ 43,758	\$ (382,266)	\$ (404,145)	3.25%	\$ (1,095)	\$ (2,307)
3	Oct-21	\$ (383,361)	\$ (19,689)	\$ 17,363	\$ 37,052	\$ (346,309)	\$ (364,835)	3.25%	\$ (988)	\$ (3,295)
4	Nov-21	\$ (347,297)	\$ (20,050)	\$ 22,137	\$ 42,187	\$ (305,110)	\$ (326,203)	3.25%	\$ (883)	\$ (4,179)
5	Dec-21	\$ (305,994)	\$ (24,052)	\$ 34,492	\$ 58,544	\$ (247,449)	\$ (276,722)	3.25%	\$ (749)	\$ (4,928)
6	Jan-22	\$ (248,199)	\$ (26,757)	\$ 35,316	\$ 62,073	\$ (186,126)	\$ (217,162)	3.25%	\$ (588)	\$ (5,516)
7	Feb-22	\$ (186,714)	\$ (27,400)	\$ 42,951	\$ 70,351	\$ (116,364)	\$ (151,539)	3.25%	\$ (410)	\$ (5,927)
8	Mar-22	\$ (116,774)	\$ (25,495)	\$ 29,049	\$ 54,544	\$ (62,230)	\$ (89,502)	3.25%	\$ (242)	\$ (6,169)
9	Apr-22	\$ (62,473)	\$ (23,424)	\$ 21,947	\$ 45,371	\$ (17,102)	\$ (39,787)	3.50%	\$ (116)	\$ (6,285)
10	May-22	\$ (17,218)	\$ (20,430)	\$ 21,771	\$ 42,201	\$ 24,983	\$ 3,882	3.50%	\$ 11	\$ (6,274)
11 *	Jun-22	\$ 24,994	\$ (24,220)	\$ 21,771	\$ 45,991	\$ 70,985	\$ 47,990	4.00%	\$ 160	\$ (6,114)
12 *	Jul-22	\$ 71,145	\$ (27,309)	\$ 21,771	\$ 49,080	\$ 120,225	\$ 95,685	4.00%	\$ 319	\$ (5,795)
13			\$ (290,572)	\$ 306,388						

14 Cumulative (Over)/Under Collection of Energy Service Cost Reclassification Adjustment Provision: \$ 120,544

- (a1) Estimated July 2021 ending balance in DE 21-087 line 12 column (e)
- (a2 - a12) Prior Month Column (e) + Prior Month Column (h)
- (b) Actual kWh sales multiplied by approved ESCRAF
- (c) HMT/AMH-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 2021 - July 2022

	<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	\$26,214	\$13,107	\$13,107
<u>Direct Retail:</u>			
2 Bad Debt Expense	<u>\$152,326</u>	<u>\$89,033</u>	<u>\$63,293</u>
<u>Cash Working Capital:</u>			
3 Working Capital Impact	<u>\$184,975</u>	<u>\$108,116</u>	<u>\$76,858</u>
4 Total Estimated Commodity Related Costs	\$363,515	\$210,256	\$153,258

(1) Schedule HMT/AMH-6 Page 4 Column (a), allocated evenly

(2) Bad debt calculation August 2021 - July 2022. Allocated to customer group based on method agreed to in the settlement in Docket DE 05-126.

(3) Schedule HMT/AMH-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
Energy Service Cost Reclassification Adjustment Factor Expenses
August 2021 - July 2022

		Payroll and Other Admin Expenses (a)	Bad Debt Expense (b)	Cash Working Capital Expense (c)	Total Expense (d)
[1]	Aug-21	\$557	\$8,890	\$10,654	\$20,101
[2]	Sep-21	\$0	\$7,065	\$10,654	\$17,719
[3]	Oct-21	\$0	\$6,709	\$10,654	\$17,363
[4]	Nov-21	\$1,949	\$9,534	\$10,654	\$22,137
[5]	Dec-21	\$9,501	\$14,337	\$10,654	\$34,492
[6]	Jan-22	\$4,385	\$20,277	\$10,654	\$35,316
[7]	Feb-22	\$4,629	\$27,668	\$10,654	\$42,951
[8]	Mar-22	\$2,226	\$16,169	\$10,654	\$29,049
[9]	Apr-22	\$0	\$11,293	\$10,654	\$21,947
[10]	May-22	\$989	\$10,128	\$10,654	\$21,771
[11]*	Jun-22	\$989	\$10,128	\$10,654	\$21,771
[12]*	Jul-22	\$989	\$10,128	\$10,654	\$21,771
		\$26,214	\$152,326	\$127,848	\$306,388

(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 coats

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

	<u>Days of Cost</u> (a)	<u>Annual Percent</u> (b)	<u>Customer Payment Lag %</u> (c)	<u>CWC %</u> (d)	<u>Expense</u> (e)	<u>Working Capital Requirement</u> (f)
[1] 2021 Purchase Power Costs	(35.993)	-9.86%	20.74%	10.88%	\$ 30,376,373	\$ 3,304,949
[2] Renewable Portfolio Standard	(227.683)	-62.38%	20.74%	-41.64%	\$ 3,190,979	\$ <u>(1,328,724)</u>
[3] Working Capital Requirement						\$ 1,976,226
[4] Capital Structure Post-tax						7.60%
[5] Working Capital Impact						\$ <u>150,193</u>
[6] Capital Structure Pre-tax						<u>9.36%</u>
[7] Working Capital Impact						\$ 184,975

Columns:

- [1](a) Schedule HMT/AMH-6 Page 6
- (b) Column (a) ÷ 365
- (c) Schedule AMH/DBS-6 Page 8
- (d) Column (b) + Column (c)
- (e) Schedule HMT/AMH-6 Page 6
- [2](a) Schedule HMT/AMH-6 Page 7
- (b) Column (a) ÷ 365
- (c) Schedule HMT/AMH-6 Page 8
- (d) Column (b) + Column (c)
- (e) Schedule HMT/AMH-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)
			Invoice Date (e)	Due Date (f)				
January 2021	Current Charge for January 2021	\$ 1,028,814.01	1/16/2021	2/10/2021	2/22/2021	37	3.39%	1.25
January 2021	Current Charge for January 2021	\$ 2,510,755.46	1/16/2021	2/10/2021	2/22/2021	37	8.27%	3.06
January 2021	Supplier Reallocation for September 2020	\$ (103,147.68)	1/16/2021	2/10/2021	2/22/2021	37	-0.34%	(0.13)
January 2021	Supplier Reallocation for September 2020	\$ (7,824.70)	1/16/2021	2/10/2021	2/22/2021	40	-0.03%	(0.01)
January 2021	Broker Charge	\$ 345.55	1/16/2021	2/1/2021	2/28/2021	40	0.00%	0.00
February 2021	Current Charge for February 2021	\$ 622,946.19	2/14/2021	3/10/2021	3/22/2021	36	2.05%	0.74
February 2021	Current Charge for February 2021	\$ 2,389,230.87	2/14/2021	3/10/2021	3/20/2021	36	7.87%	2.83
February 2021	Supplier Reallocation for October 2020	\$ (1,318.45)	2/14/2021	3/10/2021	3/20/2021	36	0.00%	(0.00)
February 2021	Supplier Reallocation for October 2020	\$ (15,777.49)	2/14/2021	3/10/2021	3/20/2021	44	-0.05%	(0.02)
February 2021	Broker Charge	\$ 345.55	2/14/2021	3/1/2021	3/31/2021	38	0.00%	0.00
March 2021	Current Charge for March 2021	\$ 558,139.84	3/16/2021	4/9/2021	4/20/2021	35	1.84%	0.64
March 2021	Current Charge for March 2021	\$ 1,972,937.45	3/16/2021	4/10/2021	4/20/2021	35	6.49%	2.27
March 2021	Supplier Reallocation for November 2020	\$ 76,392.15	3/16/2021	4/10/2021	4/20/2021	35	0.25%	0.09
March 2021	Supplier Reallocation for November 2020	\$ 729.61	3/16/2021	4/10/2021	4/20/2021	35	0.00%	0.00
March 2021	Broker Charge	\$ 345.55	3/16/2021	4/1/2021	4/30/2021	38	0.00%	0.00
April 2021	Current Charge for April 2021	\$ 463,054.59	4/15/2021	5/10/2021	5/20/2021	35	1.52%	0.53
April 2021	Current Charge for April 2021	\$ 1,491,855.09	4/15/2021	5/10/2021	5/20/2021	35	4.91%	1.72
April 2021	Supplier Reallocation for December 2020	\$ 82,930.86	4/15/2021	5/10/2021	5/20/2021	35	0.27%	0.10
April 2021	Supplier Reallocation for December 2020	\$ (10,737.14)	4/15/2021	5/10/2021	5/20/2021	47	-0.04%	(0.02)
April 2021	Broker Charge	\$ 345.55	4/15/2021	5/1/2021	5/31/2021	40	0.00%	0.00
May 2021	Current Charge for May 2021	\$ 440,857.62	5/16/2021	6/10/2021	6/21/2021	36	1.45%	0.52
May 2021	Current Charge for May 2021	\$ 1,437,726.13	5/16/2021	6/10/2021	6/21/2021	36	4.73%	1.70
May 2021	Supplier Reallocation for January 2021	\$ 514,805.94	5/16/2021	6/10/2021	6/21/2021	36	1.69%	0.61
May 2021	Supplier Reallocation for January 2021	\$ (248,520.53)	5/16/2021	6/10/2021	6/21/2021	45	-0.82%	(0.37)
May 2021	Broker Charge	\$ 345.55	5/16/2021	6/1/2021	6/30/2021	40	0.00%	0.00
June 2021	Current Charge for June 2021	\$ 467,086.76	6/15/2021	7/9/2021	7/20/2021	35	1.54%	0.54
June 2021	Current Charge for June 2021	\$ 1,646,402.83	6/15/2021	7/9/2021	7/20/2021	35	5.42%	1.90
June 2021	Supplier Reallocation for February 2021	\$ 44,068.63	6/15/2021	7/9/2021	7/20/2021	35	0.15%	0.05
June 2021	Supplier Reallocation for February 2021	\$ (173.97)	6/15/2021	7/9/2021	7/20/2021	41	0.00%	(0.00)
June 2021	Broker Charge	\$ 345.55	6/15/2021	7/1/2021	7/31/2021	38	0.00%	0.00
July 2021	Current Charge for July 2021	\$ 494,156.20	7/16/2021	8/10/2021	8/20/2021	35	1.63%	0.57
July 2021	Current Charge for July 2021	\$ 1,756,475.95	7/16/2021	8/10/2021	8/20/2021	35	5.78%	2.02
July 2021	Supplier Reallocation for March 2021	\$ (50,281.80)	7/16/2021	8/10/2021	8/20/2021	35	-0.17%	(0.06)
July 2021	Supplier Reallocation for March 2021	\$ 1,424.50	7/16/2021	8/10/2021	8/20/2021	35	0.00%	0.00
July 2021	Broker Charge	\$ 345.55	7/16/2021	8/1/2021	8/31/2021	40	0.00%	0.00
August 2021	Supplier Reallocation for April 2021	\$ (47,174.34)	8/16/2021	9/9/2021	9/20/2021	35	-0.16%	(0.05)
August 2021	Current Charge for August 2021	\$ 573,594.90	8/16/2021	9/14/2021	9/20/2021	32	1.89%	0.60
August 2021	Current Charge for August 2021	\$ 2,118,315.95	8/16/2021	9/16/2021	9/24/2021	39	6.97%	2.72
August 2021	Supplier Reallocation for April 2021	\$ (17,207.97)	8/16/2021	9/20/2021	9/30/2021	65	-0.06%	(0.04)
August 2021	Broker Charge	\$ 345.55	8/16/2021	9/1/2021	9/30/2021	42	0.00%	0.00
September 2021	Supplier Reallocation for May 2021	\$ (1,351.31)	9/15/2021	10/7/2021	10/20/2021	35	0.00%	(0.00)
September 2021	Supplier Reallocation for May 2021	\$ 2,013.56	9/15/2021	10/7/2021	10/20/2021	35	0.01%	0.00
September 2021	Current Charge for September 2021	\$ 1,511,109.83	9/15/2021	10/12/2021	10/20/2021	42	4.97%	2.09
September 2021	Current Charge for September 2021	\$ 492,869.90	9/15/2021	10/13/2021	10/20/2021	35	1.62%	0.57
September 2021	Broker Charge	\$ 345.55	9/15/2021	10/1/2021	10/31/2021	40	0.00%	0.00
October 2021	Supplier Reallocation for June 2021	\$ 69,899.76	10/16/2021	11/9/2021	11/22/2021	37	0.23%	0.09
October 2021	Current Charge for October 2021	\$ 483,281.82	10/16/2021	11/10/2021	11/22/2021	37	1.59%	0.59
October 2021	Current Charge for October 2021	\$ 1,369,173.10	10/16/2021	11/16/2021	11/22/2021	37	4.51%	1.67
October 2021	Supplier Reallocation for June 2021	\$ 347.46	10/16/2021	11/16/2021	11/26/2021	39	0.00%	0.00
October 2021	Broker Charge	\$ 345.55	10/16/2021	11/1/2021	11/30/2021	39	0.00%	0.00
November 2021	Supplier Reallocation for July 2021	\$ 15,392.26	11/15/2021	12/7/2021	12/17/2021	35	0.05%	0.02
November 2021	Current Charge for November 2021	\$ 563,134.25	11/15/2021	12/10/2021	12/22/2021	35	1.85%	0.65
November 2021	Supplier Reallocation for July 2021	\$ (5,298.47)	11/15/2021	12/10/2021	12/20/2021	35	-0.02%	(0.01)
November 2021	Current Charge for November 2021	\$ 1,883,740.63	11/15/2021	12/14/2021	12/20/2021	35	6.20%	2.17
November 2021	Broker Charge	\$ 345.55	11/15/2021	12/1/2021	12/31/2021	35	0.00%	0.00
December 2021	Current Charge for December 2021	\$ 798,934.53	12/16/2021	1/10/2022	1/20/2022	35	2.63%	0.92
December 2021	Supplier Reallocation for August 2021	\$ 1,171.16	12/16/2021	1/12/2022	1/20/2022	35	0.00%	0.00
December 2021	Current Charge for December 2021	\$ 2,965,889.77	12/16/2021	1/7/2022	1/20/2022	35	9.76%	3.42
December 2021	Supplier Reallocation for August 2021	\$ 31,381.15	12/16/2021	1/7/2022	1/20/2022	35	0.10%	0.04
December 2021	Broker Charge	\$ 345.55	12/16/2021	1/1/2022	1/31/2022	28	0.00%	0.00
[1] Total		\$ 30,376,373.46				Days		35.99

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 2021

<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-21	\$ 318,976	7/16/2021	3/31/2022	258	10.00%	25.79
Aug-21	\$ 282,395	8/16/2021	3/31/2022	227	8.85%	20.09
Sep-21	\$ 283,427	9/15/2021	3/31/2022	197	8.88%	17.50
Oct-21	\$ 211,652	10/16/2021	6/30/2022	257	6.63%	17.05
Nov-21	\$ 217,328	11/15/2021	6/30/2022	227	6.81%	15.46
Dec-21	\$ 264,686	12/16/2021	6/30/2022	196	8.29%	16.26
Jan-22	\$ 297,817	1/16/2022	9/30/2022	257	9.33%	23.99
Feb-22	\$ 302,316	2/14/2022	9/30/2022	228	9.47%	21.60
Mar-22	\$ 279,869	3/16/2022	9/30/2022	198	8.77%	17.37
Apr-22	\$ 253,208	4/15/2022	12/31/2022	260	7.94%	20.63
May-22	\$ 219,749	5/16/2022	12/31/2022	229	6.89%	15.77
Jun-22	\$ 259,556	6/15/2022	12/31/2022	199	8.13%	16.19
[1] Total	\$ 3,190,979				[2] Days	227.68

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)
1/1/2021	1/31/2021	\$ 12,435,802	\$ 7,023,919	31	\$ 226,578
2/1/2021	2/28/2021	\$ 12,995,651	\$ 6,747,344	28	\$ 240,977
3/1/2021	3/31/2021	\$ 11,960,601	\$ 6,400,466	31	\$ 206,467
4/1/2021	4/30/2021	\$ 11,003,450	\$ 5,546,716	30	\$ 184,891
5/1/2021	5/31/2021	\$ 10,860,373	\$ 4,948,239	31	\$ 159,621
6/1/2021	6/30/2021	\$ 12,023,704	\$ 6,250,664	30	\$ 208,355
7/1/2021	7/31/2021	\$ 12,741,650	\$ 7,111,949	31	\$ 229,418
8/1/2021	8/31/2021	\$ 13,387,406	\$ 7,268,699	31	\$ 234,474
9/1/2021	9/30/2021	\$ 13,659,859	\$ 7,591,711	30	\$ 253,057
10/1/2021	10/31/2021	\$ 12,404,962	\$ 5,878,354	31	\$ 189,624
11/1/2021	11/30/2021	\$ 12,143,473	\$ 6,059,368	30	\$ 201,979
12/1/2021	12/31/2021	\$ 13,306,088	\$ 7,331,962	31	\$ 236,515
Average		\$ 12,410,252			\$ 214,330

[1] Service Lag	15.21
[2] Collection Lag	57.90
[3] Billing Lag	<u>2.59</u>
[4] Total Average Days Lag	75.70
[5] Customer Payment Lag-annual percent	20.74%

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) Corp. d/b/a Liberty
Bill Calculation

Usage 650 kWh

	May 1, 2022	August 1, 2022	May 1, 2022	August 1, 2022
	<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	\$0.06039	\$0.06039	\$39.25	\$39.25
3 Storm Recovery Adjustment	\$0.00000	\$0.00000	\$0.00	\$0.00
4 Transmission Charge	\$0.03635	\$0.03635	\$23.63	\$23.63
5 Stranded Cost Charge	(\$0.00051)	(\$0.00051)	(\$0.33)	(\$0.33)
6 System Benefits Charge	\$0.00792	\$0.00792	\$5.15	\$5.15
7 Electricity Consumption Tax	\$0.00000	\$0.00000	<u>\$0.00</u>	<u>\$0.00</u>
8 Subtotal Retail Delivery Services			\$82.44	\$82.44
9				
10 Energy Service Charge	\$0.11119	\$0.22228	<u>\$72.27</u>	<u>\$144.48</u>
11				
12		Total Bill	\$154.71	\$226.92
13				
14	Monthly \$ increase in 650 kWh Total Residential Bill			\$72.21
15	Monthly % increase in 650 kWh Total Residential Bill			46.67%