

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 – October 2023 LDAC
Factor Summary (EnergyNorth & Keene Service Area)
(\$/Therm)

Line No.	Rate Schedule	Energy Efficiency Charge	Demand Side Management Charge	Conservation Charge (CCx)	Relief Holder and pond at Gas Street, Concord, NH*	Manufactured Gas Plants	Environmental Surcharge (ES)	Revenue Decoupling Adjustment Factor* (RDAF)	Property Tax Adjustment Mechanism (PTAM)	Rate Case Expense Factor (RCEF)	Gas Assistance Program (GAP)	Total
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(K)
	Reference	Schedule 2	N/A	(B)+(C)	Schedule 3	Schedule 3	(E)+(F)	Schedule 4	Schedule 5	Schedule 6	Schedule 7	(D)+(G)+(H)+(I)+(J)+(K)
<u>Residential Customers</u>												
1	R-1 Non-Heating	\$0.0640	\$0.0000	\$0.0640	\$0.0004	\$0.0074	\$0.0078	\$0.0409	\$0.0129	\$0.0050	\$0.0202	\$0.1508
2	R-5 Non-Heating (MEP)	\$0.0640	\$0.0000	\$0.0640	\$0.0004	\$0.0074	\$0.0078	\$0.0409	\$0.0129	\$0.0050	\$0.0202	\$0.1508
3	R-3 Heating	\$0.0640	\$0.0000	\$0.0640	\$0.0004	\$0.0074	\$0.0078	\$0.0409	\$0.0129	\$0.0050	\$0.0202	\$0.1508
4	R-6 Heating (MEP)	\$0.0640	\$0.0000	\$0.0640	\$0.0004	\$0.0074	\$0.0078	\$0.0409	\$0.0129	\$0.0050	\$0.0202	\$0.1508
5	R-4 Heating Gas Assistance Program	\$0.0640	\$0.0000	\$0.0640	\$0.0004	\$0.0074	\$0.0078	\$0.0409	\$0.0129	\$0.0050	\$0.0202	\$0.1508
6	R-7 Heating Gas Assistance Program (MEP)	\$0.0640	\$0.0000	\$0.0640	\$0.0004	\$0.0074	\$0.0078	\$0.0409	\$0.0129	\$0.0050	\$0.0202	\$0.1508
<u>Commercial/Industrial Sales Customers</u>												
7	G-41 Low Annual/High Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
8	G-44 Low Annual/High Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
9	G-51 Low Annual/Low Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
10	G-55 Low Annual/Low Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
11	G-42 Medium Annual/High Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
12	G-45 Medium Annual/High Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
13	G-52 Medium Annual/Low Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
14	G-56 Medium Annual/Low Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
15	G-43 High Annual/High Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
16	G-46 High Annual/High Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
17	G-53 High Annual/Load Factor < 90%	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
18	G-57 High Annual/Load Factor < 90% (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
19	G-54 High Annual/Load Factor > 90%	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
20	G-58 High Annual/Load Factor > 90% (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
<u>Commercial/Industrial Transportation Customers</u>												
21	G-41 Low Annual/High Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
22	G-44 Low Annual/High Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
23	G-51 Low Annual/Low Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
24	G-55 Low Annual/Low Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
25	G-42 Medium Annual/High Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
26	G-45 Medium Annual/High Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
27	G-52 Medium Annual/Low Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
28	G-56 Medium Annual/Low Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
29	G-43 High Annual/High Winter Use	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
30	G-46 High Annual/High Winter Use (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
31	G-53 High Annual/Load Factor < 90%	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
32	G-57 High Annual/Load Factor < 90% (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
33	G-54 High Annual/Load Factor > 90%	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
34	G-58 High Annual/Load Factor > 90% (MEP)	\$0.0426	\$0.0000	\$0.0426	\$0.0004	\$0.0074	\$0.0078	\$0.0030	\$0.0129	\$0.0050	\$0.0202	\$0.0915
35	The application of the CC, RDAF, ES, RCE, and GAP applies to all therms and therefore the application to all customers, including Managed Expansion Program											
36	*Relief Holder and Pond at Gas Street, Concord and RDAF to be reviewed on a longer timeframe from rest of LDAC components effective November 1, 2022											

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 – October 2023 LDAC
Energy Efficiency Charge

<u>Line No.</u>	<u>Description</u> (A)	<u>Residential</u> (B)	<u>Commercial & Industrial</u> (C)	<u>Total</u> (D)	<u>Reference</u> (E)
<u>2022 - 2023 EEC Program Costs (For Informational Purposes Only, No Longer Used to Set Rates per HB549)</u>					
1	EEC Reconciliation Balance December 31, 2022 (Over)/Under Collection	\$ (608,511)	(1,863,482)	\$ (2,471,993)	Sch. 2, Pgs 3 and 4, Col. K, Line 8
2	2023 EE Program Costs excl. Low Income and PI	\$ 3,102,206	\$ 3,583,194	\$ 6,685,400	Sch. 2, Pgs 3 and 4, Col. D, Line 21 - Col. E, Line 21 - Col. F, Line 21
3	EE Performance Incentive	\$ 229,022	264,531	\$ 493,553	Sch. 2, Pgs 3 and 4, Col. E, Line 21
4	2023 Low Income Program Costs	\$ 832,807	\$ 961,931	\$ 1,434,784	Sch. 2, Pgs 3 and 4, Col. F, Line 21
5	2023 Interest Expense	(35,115)	(77,130)	(112,246)	Sch. 2, Pgs 3 and 4, Col. J, Line 21
6	Total Program Costs	\$ 3,520,408	\$ 2,869,044	\$ 6,029,498	Sum Lines 1 through 5
<u>2022 and 2023 EEC Rates (as set by Statute in HB549)</u>					
7	Energy Efficiency Charge Factor (\$/Therm) Eff 1/1/22 - 12/31/22	\$0.0640	\$0.0426		HB549
8	Energy Efficiency Charge Factor (\$/Therm) Eff 1/1/23	\$0.0664	\$0.0442		HB549

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 – October 2023 LDAC
Energy Efficiency Budget (for Information Purposes Only)

Energy Efficiency Budget with Low-Income Costs Allocated

Line No.	Period	Commercial &			Total
		Residential	Low-Income	Industrial	
1	July-22	\$ 54,132	\$ 48,881	\$ 141,393	\$244,407
2	August-22	\$ 55,230	\$ 50,504	\$ 146,786	\$252,520
3	September-22	\$ 91,096	\$ 65,662	\$ 171,550	\$328,308
4	October-22	\$ 215,296	\$ 116,906	\$ 252,328	\$584,530
5	November-22	\$ 330,526	\$ 172,985	\$ 361,415	\$864,927
6	December-22	\$ 496,144	\$ 247,694	\$ 494,632	\$1,238,471
7	2022 Total	\$1,242,425	\$702,632	\$1,568,105	\$3,513,162
8	January-23	\$ 602,645	\$ 298,318	\$ 590,629	\$1,491,592
9	February-23	\$ 509,907	\$ 251,090	\$ 494,453	\$1,255,450
10	March-23	\$ 429,833	\$ 219,588	\$ 448,517	\$1,097,938
11	April-23	\$ 261,737	\$ 140,569	\$ 300,540	\$702,846
12	May-23	\$ 148,826	\$ 91,586	\$ 217,518	\$457,930
13	June-23	\$ 73,040	\$ 57,242	\$ 155,929	\$286,212
14	July-23	\$ 56,827	\$ 51,121	\$ 147,659	\$255,607
15	August-23	\$ 57,989	\$ 52,783	\$ 153,143	\$263,915
16	September-23	\$ 95,649	\$ 68,691	\$ 179,114	\$343,454
17	October-23	\$ 226,042	\$ 122,475	\$ 263,860	\$612,377
18	November-23	\$ 347,380	\$ 181,402	\$ 378,228	\$907,010
19	December-23	\$ 521,353	\$ 259,872	\$ 518,134	\$1,299,359
20	Total	\$3,331,228	\$1,794,738	\$3,847,725	\$8,973,691

Energy Efficiency Budget without Low-Income Costs Allocated

Line No.	Period	Commercial &			Total
		Residential	Low-Income	Industrial	
1	July-22	\$ 67,665.38	\$0	\$ 176,741.38	\$244,407
2	August-22	\$ 69,037.66	\$0	\$ 183,482.45	\$252,520
3	September-22	\$ 113,869.78	\$0	\$ 214,437.95	\$328,308
4	October-22	\$ 269,120.08	\$0	\$ 315,409.61	\$584,530
5	November-22	\$ 413,158.10	\$0	\$ 451,769.09	\$864,927
6	December-22	\$ 620,179.99	\$0	\$ 618,290.62	\$1,238,471
7	2022 Total	\$1,553,031	\$0	\$1,960,131	\$3,513,162
8	January-23	\$ 753,305.85	\$0	\$ 738,285.94	\$1,491,592
9	February-23	\$ 637,384.26	\$0	\$ 618,066.06	\$1,255,450
10	March-23	\$ 537,291.53	\$0	\$ 560,646.85	\$1,097,938
11	April-23	\$ 327,170.91	\$0	\$ 375,675.45	\$702,846
12	May-23	\$ 186,032.67	\$0	\$ 271,897.17	\$457,930
13	June-23	\$ 91,300.23	\$0	\$ 194,911.68	\$286,212
14	July-23	\$ 71,033.36	\$0	\$ 184,573.67	\$255,607
15	August-23	\$ 72,486.28	\$0	\$ 191,428.82	\$263,915
16	September-23	\$ 119,561.46	\$0	\$ 223,893.02	\$343,454
17	October-23	\$ 282,552.17	\$0	\$ 329,824.76	\$612,377
18	November-23	\$ 434,224.57	\$0	\$ 472,785.17	\$907,010
19	December-23	\$ 651,691.43	\$0	\$ 647,667.33	\$1,299,359
	Total	\$4,164,035	\$0	\$4,809,656	\$8,973,691

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Energy Efficiency Programs
For Residential Non-Heating and Heating Classes
November 2022 – October 2023 LDAC
Energy Efficiency Charge**

		(A)	(B)	(C) B*L	(D)	(E)	(F)	(G) A-C+D+E+F	(H) (A+G)/2	(I)	(J) H*I*M/365	(K) G+J	(L)	(M)	
Line No.	Month	Actual or Forecast	Beginning Balance (Over)/Under	Residential EEC Rate Per Therm	Residential EEC Collections	Program Budget EEC Costs	Residential EEC PI	Allocated Low-Income Costs	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Rate	Interest on Balance	Ending Bal. Plus Interest (Over)/Under	Residential Therm Sales	# of Days
1	May 22	Actual	(830,686)	\$0.0640	255,095	188,166	98,183	43,082	(799,432)	(815,059)	3.50%	(3,178)	(802,610)	3,985,853	31
2	June 22	Actual	(802,610)	\$0.0640	113,472	311,418	15,154	18,484	(589,510)	(696,060)	4.00%	(2,775)	(592,285)	1,773,005	30
3	July 22	Forecast	(592,285)	\$0.0640	71,387	67,665	3,722	13,533	(592,285)	(592,285)	4.75%	(2,389)	(594,674)	1,115,421	31
4	August 22	Forecast	(594,674)	\$0.0640	72,835	69,038	3,797	13,808	(594,674)	(594,674)	5.50%	(2,778)	(597,452)	1,138,043	31
5	September 22	Forecast	(597,452)	\$0.0640	120,133	113,870	6,263	22,774	(597,452)	(597,452)	5.50%	(2,701)	(600,153)	1,877,072	30
6	October 22	Forecast	(600,153)	\$0.0640	283,922	269,120	14,802	53,824	(600,153)	(600,153)	5.50%	(2,803)	(602,956)	4,436,276	31
7	November 22	Forecast	(602,956)	\$0.0640	435,882	413,158	22,724	82,632	(602,956)	(602,956)	5.50%	(2,726)	(605,682)	6,810,650	30
8	December 22	Forecast	(605,682)	\$0.0640	654,290	620,180	34,110	124,036	(605,682)	(605,682)	5.50%	(2,829)	(608,511)	10,223,280	31
			2022 Total		2,007,014	2,052,615	198,754	372,172				(22,179)			
9	January 23	Forecast	(608,511)	\$0.0664	795,090	753,306	41,432	150,661	(608,864)	(608,687)	5.50%	(2,843)	(611,707)	11,974,250	31
10	February 23	Forecast	(611,707)	\$0.0664	672,739	637,384	35,056	127,477	(612,005)	(611,856)	5.50%	(2,582)	(614,587)	10,131,610	28
11	March 23	Forecast	(614,587)	\$0.0664	567,095	537,292	29,551	107,458	(614,839)	(614,713)	5.50%	(2,871)	(617,710)	8,540,580	31
12	April 23	Forecast	(617,710)	\$0.0664	345,319	327,171	17,994	65,434	(617,864)	(617,787)	5.50%	(2,793)	(620,656)	5,200,580	30
13	May 23	Forecast	(620,656)	\$0.0664	196,351	186,033	10,232	37,207	(620,743)	(620,700)	5.50%	(2,899)	(623,643)	2,957,100	31
14	June 23	Forecast	(623,643)	\$0.0664	96,364	91,300	5,022	18,260	(623,685)	(623,664)	5.50%	(2,819)	(626,505)	1,451,270	30
15	July 23	Forecast	(626,505)	\$0.0664	74,974	71,033	3,907	14,207	(626,539)	(626,522)	5.50%	(2,927)	(629,465)	1,129,130	31
16	August 23	Forecast	(629,465)	\$0.0664	76,507	72,486	3,987	14,497	(629,500)	(629,482)	5.50%	(2,940)	(632,440)	1,152,220	31
17	September 23	Forecast	(632,440)	\$0.0664	126,193	119,561	6,576	23,912	(632,496)	(632,468)	5.50%	(2,859)	(635,355)	1,900,500	30
18	October 23	Forecast	(635,355)	\$0.0664	298,225	282,552	15,540	56,510	(635,488)	(635,421)	5.50%	(2,968)	(638,456)	4,491,340	31
19	November 23	Forecast	(638,456)	\$0.0664	563,307	434,225	23,882	86,845	(743,656)	(691,056)	5.50%	(3,124)	(746,780)	8,483,538	30
20	December 23	Forecast	(746,780)	\$0.0664	687,839	651,691	35,843	130,338	(747,085)	(746,932)	5.50%	(3,489)	(750,574)	10,359,028	31

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Energy Efficiency Programs
For Commercial/Industrial Classes
November 2022 – October 2023 LDAC
Energy Efficiency Charge**

Schedule 2
Energy Efficiency Charge
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		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	
				B*L				A-C+D+E+F	(A+G)/2		H*I*M/365	G+J			
Line No.	Month	Actual or Forecast	Beginning Balance (Over)/Under	Rate Per Therm	Commercial EEC Collections	Program Budget EEC Costs	Commercial EEC PI	Allocated Low-Income Costs	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Rate	Interest on Balance	Ending Bal. Plus Interest (Over)/Under	Commercial/Industrial Therm Sales	# of Days
1	May 22	Actual	(1,542,703)	\$0.0426	360,328	95,438	90,995	57,108	(1,716,598)	(1,629,651)	3.50%	(2,945)	(1,719,543)	8,458,403	31
2	June 22	Actual	(1,719,543)	\$0.0426	230,254	124,533	14,045	24,502	(1,811,219)	(1,765,381)	4.00%	(2,572)	(1,813,791)	5,405,028	30
3	July 22	Forecast	(1,813,791)	\$0.0426	186,462	176,741	9,721	35,348	(1,813,791)	(1,813,791)	4.75%	(7,317)	(1,821,108)	4,377,046	31
4	August 22	Forecast	(1,821,108)	\$0.0426	193,574	183,482	10,092	36,696	(1,821,108)	(1,821,108)	5.50%	(8,507)	(1,829,615)	4,543,990	31
5	September 22	Forecast	(1,829,615)	\$0.0426	226,232	214,438	11,794	42,888	(1,829,615)	(1,829,615)	5.50%	(8,271)	(1,837,886)	5,310,611	30
6	October 22	Forecast	(1,837,886)	\$0.0426	332,757	315,410	17,348	63,082	(1,837,886)	(1,837,886)	5.50%	(8,585)	(1,846,471)	7,811,200	31
7	November 22	Forecast	(1,846,471)	\$0.0426	476,616	451,769	24,847	90,354	(1,846,471)	(1,846,471)	5.50%	(8,347)	(1,854,818)	11,188,170	30
8	December 22	Forecast	(1,854,818)	\$0.0426	652,296	618,291	34,006	123,658	(1,854,817)	(1,854,818)	5.50%	(8,664)	(1,863,482)	15,312,120	31
				2022 Total	2,658,520	2,180,102	212,847	473,636				(55,208)			
9	January 23	Forecast	(1,863,482)	\$0.0442	779,281	738,286	40,606	147,657	(1,716,214)	(1,789,848)	5.50%	(8,361)	(1,724,575)	17,630,800	31
10	February 23	Forecast	(1,724,575)	\$0.0442	652,386	618,066	33,994	123,613	(1,601,288)	(1,662,931)	5.50%	(7,016)	(1,608,304)	14,759,860	28
11	March 23	Forecast	(1,608,304)	\$0.0442	591,778	560,647	30,836	112,129	(1,496,471)	(1,552,387)	5.50%	(7,252)	(1,503,722)	13,388,650	31
12	April 23	Forecast	(1,503,722)	\$0.0442	396,536	375,675	20,662	75,135	(1,428,786)	(1,466,254)	5.50%	(6,628)	(1,435,414)	8,971,410	30
13	May 23	Forecast	(1,435,414)	\$0.0442	286,995	271,897	14,954	54,379	(1,381,179)	(1,408,296)	5.50%	(6,578)	(1,387,757)	6,493,110	31
14	June 23	Forecast	(1,387,757)	\$0.0442	205,734	194,912	10,720	38,982	(1,348,877)	(1,368,317)	5.50%	(6,186)	(1,355,062)	4,654,610	30
15	July 23	Forecast	(1,355,062)	\$0.0442	194,822	184,574	10,152	36,915	(1,318,244)	(1,336,653)	5.50%	(6,244)	(1,324,488)	4,407,740	31
16	August 23	Forecast	(1,324,488)	\$0.0442	202,058	191,429	10,529	38,286	(1,286,303)	(1,305,396)	5.50%	(6,098)	(1,292,401)	4,571,450	31
17	September 23	Forecast	(1,292,401)	\$0.0442	236,325	223,893	12,314	44,779	(1,247,740)	(1,270,070)	5.50%	(5,741)	(1,253,481)	5,346,710	30
18	October 23	Forecast	(1,253,481)	\$0.0442	348,140	329,825	18,140	65,965	(1,187,691)	(1,220,586)	5.50%	(5,702)	(1,193,392)	7,876,460	31

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 – October 2023 LDAC
Environmental Surcharge

Schedule 3
Page 1 of 2

Manufactured Gas Plants

1 Required Annual Environmental Increase	\$983,056
2 DG 19-145 Audit adjustment of \$1,024,167 amortized over 3 years, 3 approved by Order No. 26,419 in Docket No. DG 20-141	\$341,389
4 Estimated Ending Balance on October 31, 2022	<u>\$58,228</u>
5 Environmental Subtotal	\$1,382,673
6 Overall Annual Net Increase to Rates	\$1,382,673
7 Estimated weather normalized firm therms billed for the 8 twelve months ended 10/31/2023 - sales and transportation	186,338,561 therms
9 MGP Surcharge per therm	<u>\$0.0074 per therm</u>

Gasholder and pond at Gas Street, Concord, NH

10 Required Annual Environmental Increase	\$69,514
11 Estimated weather normalized firm therms billed for the 12 twelve months ended 10/31/2023 - sales and transportation	186,338,561 therms
13 Gasholder and pond at Gas Street, Concord, NH Surcharge per therm	<u>\$0.0004 per therm</u>
14 <u>Total Environmental Surcharge</u>	<u>\$0.0078</u>

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 - October 2023
Environmental Collections Reconciliation

	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Estimate)	(Estimate)	(Estimate)	(Estimate)
1	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	
2	30	31	31	28	31	30	31	30	31	31	30	31	
3	Beginning Balance	\$ 2,833,284	\$ 2,656,186	\$ 2,354,611	\$ 1,967,918	\$ 1,526,129	\$ 1,131,620	\$ 853,408	\$ 660,155	\$ 548,839	\$ 460,072	\$ 368,322	\$ 253,081
4													
5	Less: Collected Revenue	(177,098)	(301,575)	(386,693)	(441,789)	(394,508)	(278,213)	(193,253)	(111,316)	(88,767)	(91,750)	(115,241)	(194,853)
6													
7	Ending Balance	\$ 2,656,186	\$ 2,354,611	\$ 1,967,918	\$ 1,526,129	\$ 1,131,620	\$ 853,408	\$ 660,155	\$ 548,839	\$ 460,072	\$ 368,322	\$ 253,081	\$ 58,228

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS

REDACTED
 Schedule 3.2
 MGP Sites
 Page 1 of 9

2022 SUMMARY BY SITE

		1101	1102	1105	1106	1107		1108	1109		
							100 %	INSURANCE	INSURANCE		
LINE			LEGAL	CONSULTING	REMEDATION	SETTLEMENT	RECOVERABLE	& THIRD	& THIRD	TOTAL	
NO.	SITE	REF NO.	EXPENSES	EXPENSES	EXPENSES	EXPENSES	EXPENSES	PARTY	PARTY		
								EXPENSES	RECOVERIES		
1	Concord Pond	DEF056	0.00	371,194.82	0.00	0.00	9,888.99	381,083.81		302,532.29	
2	Concord MGP (excludes Relief Holder)	DEF077	0.00	81,185.19	0.00	0.00	27,222.25	108,407.44		38,415.91	
3	Concord MGP (Relief Holder)	DEF077	37,199.00	157,345.37	0.00	0.00	36.26	194,580.63		486,595.63	
4	Laconia/Liberty Hill	DEF086	0.00	46,580.03	0.00	0.00	2,304.75	48,884.78		48,884.78	
5	Manchester MGP	DEF057	0.00	139,492.16	0.00	0.00	33,180.09	172,672.25		120,888.65	
6	Nashua MGP	DEF054	0.00	247,416.41	0.00	0.00	182,710.49	430,126.90		331,326.67	
7	General Expenses	DEF064	0.00	0.00	0.00	0.00	8,345.91	8,345.91		8,345.91	
8										0.00	
9	Total Pool Activity		37,199.00	1,043,213.98	0.00	0.00	263,688.74	1,344,101.72	292,015.00	(299,126.88)	1,336,989.84

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 NASHUA - REMEDIATION
 PROJECT DEF054

REDACTED
 Schedule 3.2
 MGP Sites
 Page 2 of 9

LINE NO.	VENDOR	REF NO.	1101	1102	1105	1106	1107	SUBTOTAL EXPENSES	1108	1109	TOTAL SUBMITTED
			LEGAL EXPENSES	CONSULTING EXPENSES	REMEDIAATION EXPENSES	SETTLEMENT EXPENSES	OTHER EXPENSES		INSURANCE & THIRD PARTY EXPENSE	INSURANCE & THIRD PARTY RECOVERIES	
1	GZA GEOENVIRONMENTAL INC	0815089		3,065.00				3,065.00			3,065.00
2	GZA GEOENVIRONMENTAL INC	0816668		1,182.90				1,182.90			1,182.90
3	INNOVATIVE ENGINEERING SOLUTIONS, INC.	13882		2,058.64				2,058.64			2,058.64
4	INNOVATIVE ENGINEERING SOLUTIONS, INC.	13914		3,457.67				3,457.67			3,457.67
5	CLEAN HARBORS	1003857553					9,973.81	9,973.81			9,973.81
6	CLEAN HARBORS	1003857551					1,006.07	1,006.07			1,006.07
7	CASEY MARY	EXP0801-091021					50.52	50.52			50.52
9	INNOVATIVE ENGINEERING SOLUTIONS, INC.	13943		20,467.15				20,467.15			20,467.15
10	ANDREW MILLS	EXP0802-083121					60.48	60.48			60.48
11	ANDERSON WELDING LLC	596					7,185.00	7,185.00			7,185.00
12	INNOVATIVE ENGINEERING SOLUTIONS, INC.	13969		6,405.06				6,405.06			6,405.06
13	NH DEPT OF ENVIRONMENTAL SERVICES	199810022 8323 A					313.68	313.68			313.68
14	INNOVATIVE ENGINEERING SOLUTIONS, INC.	13943		20,467.15				20,467.15			20,467.15
15	ANDREW MILLS	EXP09-103121					20.16	20.16			20.16
17	INNOVATIVE ENGINEERING SOLUTIONS, INC.	13996		5,580.00				5,580.00			5,580.00
18	ANDERSON WELDING LLC	610		2,275.00				2,275.00			2,275.00
19	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14023		4,976.49				4,976.49			4,976.49
20	ANDREW MILLS	EXP1101-122121					20.16	20.16			20.16
21	GZA GEOENVIRONMENTAL INC	0827823		20,298.36				20,298.36			20,298.36
22	GZA GEOENVIRONMENTAL INC	0827307		48,324.46				48,324.46			48,324.46
23	NH DEPT OF ENVIRONMENTAL SERVICES	199810022 012722					90.68	90.68			90.68
24	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14054		16,544.55				16,544.55			16,544.55
25	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14081		7,377.50				7,377.50			7,377.50
26	GZA GEOENVIRONMENTAL INC	0830818		14,231.80				14,231.80			14,231.80
28	CLEAN HARBORS	1004068680					1,626.34	1,626.34			1,626.34
29	ESMI OF NH	424890					2,123.30	2,123.30			2,123.30
30	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14104		5,102.72				5,102.72			5,102.72
31	ESMI OF NH	425786					3,086.10	3,086.10			3,086.10
32	ESMI OF NH	425786					175.92	175.92			175.92
33	ESMI OF NH	426111					2,064.60	2,064.60			2,064.60
34	ESMI OF NH	426111					117.68	117.68			117.68
35	ESMI OF NH	427055					4,833.90	4,833.90			4,833.90
36	ESMI OF NH	427055					275.53	275.53			275.53
37	ESMI OF NH	428087					997.20	997.20			997.20

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 NASHUA - REMEDIATION
 PROJECT DEF054

REDACTED
 Schedule 3.2
 MGP Sites
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LINE NO.	VENDOR	REF NO.	1101	1102	1105	1106	1107	SUBTOTAL EXPENSES	1108	1109	TOTAL SUBMITTED	
			LEGAL EXPENSES	CONSULTING EXPENSES	REMEDATION EXPENSES	SETTLEMENT EXPENSES	OTHER EXPENSES		INSURANCE & THIRD PARTY EXPENSE	INSURANCE & THIRD PARTY RECOVERIES		
38	ESMI OF NH	428087						56.85	56.85		56.85	
39	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14135		11,358.10				11,358.10			11,358.10	
40	ESMI OF NH	429270						476.38	476.38		476.38	
41	ESMI OF NH	429250						4,136.85	4,136.85		4,136.85	
42	ESMI OF NH	429250						235.80	235.80		235.80	
43	ESMI OF NH	429266						1,393.20	1,393.20		1,393.20	
44	ESMI OF NH	429270						8,357.85	8,357.85		8,357.85	
45	ESMI OF NH	430161						581.15	581.15		581.15	
46	ESMI OF NH	430161						10,195.65	10,195.65		10,195.65	
47	NH DEPT OF ENVIRONMENTAL SERVICES	199810022 042822						154.95	154.95		154.95	
48	ESMI OF NH	431318						7,938.45	7,938.45		7,938.45	
49	ESMI OF NH	431318						452.50	452.50		452.50	
50	GZA GEOENVIRONMENTAL INC	0835263		27,218.46				27,218.46			27,218.46	
51	ESMI OF NH	432120						5,043.15	5,043.15		5,043.15	
52	ESMI OF NH	432120						287.45	287.45		287.45	
53	ESMI OF NH	432893						50.17	50.17		50.17	
54	ESMI OF NH	432893						880.20	880.20		880.20	
55	ESMI OF NH	433522						4,360.05	4,360.05		4,360.05	
56	ESMI OF NH	433522						196.76	196.76		196.76	
57	ESMI OF NH	434619						1,004.10	1,004.10		1,004.10	
58	LEIGHTON A. WHITE INC.	23024						57,653.27	57,653.27		57,653.27	
59	LEIGHTON A. WHITE INC.	23082						18,752.47	18,752.47		18,752.47	
60	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14188		19,524.50				19,524.50			19,524.50	
61	ESMI OF NH	437288						4,050.90	4,050.90		4,050.90	
62	ESMI OF NH	437288						230.91	230.91		230.91	
64	ESMI OF NH	437876						19,180.35	19,180.35		19,180.35	
65	ESMI OF NH	437876						1,093.28	1,093.28		1,093.28	
66	INNOVATIVE ENGINEERING SOLUTIONS, INC.	14163		7,500.90				7,500.90			7,500.90	
67								0.00			0.00	
68	Environmental Staff Time							1,926.67	1,926.67		1,926.67	
69	Total Pool Activity		-	247,416.41	-	-	-	182,710.49	430,126.90	-	(98,800.23)	331,326.67

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 CONCORD POND - REMEDIATION
 PROJECT DEF056

REDACTED
 Schedule 3.2
 MGP Sites
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LINE NO.	VENDOR	REF NO.	1101 LEGAL EXPENSES	1102.00 CONSULTING EXPENSES	1105 REMEDIAION EXPENSES	1106 SETTLEMENT EXPENSES	1107 OTHER EXPENSES	SUBTOTAL EXPENSES	1108 INSURANCE & THIRD PARTY EXPENSES	1109 INSURANCE & THIRD PARTY RECOVERIES	TOTAL SUBMITTED
1	ANCHOR QEA LLC	02955		48,037.20				48,037.20			48,037.20
2	GEI CONSULTANTS, INC.	3092954		6,182.42				6,182.42			6,182.42
3	CITY OF CONCORD	22000267					1,020.00	1,020.00			1,020.00
4	ANCHOR QEA LLC	03612		66,021.94				66,021.94			66,021.94
5	GEI CONSULTANTS, INC.	3094516		4,132.45				4,132.45			4,132.45
6	NH DEPT OF ENVIRONMENTAL SERVICES	199212014 4042B					1,452.47	1,452.47			1,452.47
7	ANCHOR QEA LLC	04148		24,148.20				24,148.20			24,148.20
9	ANCHOR QEA LLC	04425		19,797.63				19,797.63			19,797.63
10	GEI CONSULTANTS, INC.	3096258		1,017.42				1,017.42			1,017.42
11	GEI CONSULTANTS, INC.	3097711		1,007.08				1,007.08			1,007.08
12	CLEAN HARBORS	1003899569					1,646.51	1,646.51			1,646.51
14	ANCHOR QEA LLC	05119		51,443.85				51,443.85			51,443.85
15	ANCHOR QEA LLC	05659		31,461.32				31,461.32			31,461.32
16	GEI CONSULTANTS, INC.	3100642		223.18				223.18			223.18
17	ANCHOR QEA LLC	06332		28,984.48				28,984.48			28,984.48
18	GEI CONSULTANTS, INC.	3099637		973.83				973.83			973.83
19	GEI CONSULTANTS, INC.	3102182		2,182.09				2,182.09			2,182.09
20	NH DEPT OF ENVIRONMENTAL SERVICES	199212014 012722					979.76	979.76			979.76
21	CLEAN HARBORS	1004036917					2,892.94	2,892.94			2,892.94
22	ANCHOR QEA LLC	06944		31,527.44				31,527.44			31,527.44
23	GEI CONSULTANTS, INC.	3104287		1,853.93				1,853.93			1,853.93
24	ANCHOR QEA LLC	07407		19,944.50				19,944.50			19,944.50
26	GEI CONSULTANTS, INC.	3105662		2,635.65				2,635.65			2,635.65
27	ANCHOR QEA LLC	08072		8,715.22				8,715.22			8,715.22
28	ANCHOR QEA LLC	08380		5,995.25				5,995.25			5,995.25
29	NH DEPT OF ENVIRONMENTAL SERVICES	199212014 042822					54.43	54.43			54.43
30	CLEAN HARBORS	1004068680					1,626.34	1,626.34			1,626.34
31	ANCHOR QEA LLC	08984		4,043.50				4,043.50			4,043.50
33	GEI CONSULTANTS, INC.	3111045		8,535.29				8,535.29			8,535.29
34	GEI CONSULTANTS, INC.	3109033		2,330.95				2,330.95			2,330.95
35								-			0.00
36	Environmental Staff Time						216.54	216.54			216.54
	Total Pool Activity		0.00	371,194.82	0.00	0.00	9,888.99	381,083.81	0.00	(78,551.52)	302,532.29

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 MANCHESTER - REMEDIATION
 PROJECT DEF057

REDACTED
 Schedule 3.2
 MGP Sites
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LINE NO.	VENDOR	REF NO.	1101 LEGAL EXPENSES	1102 CONSULTING EXPENSES	1105 REMEDIAION EXPENSES	1106 SETTLEMENT EXPENSES	1107 OTHER EXPENSES	SUBTOTAL EXPENSES	1108 INSURANCE & THIRD PARTY EXPENSE	1109 INSURANCE & THIRD PARTY RECOVERIES	TOTAL SUBMITTED
2	GZA GEOENVIRONMENTAL INC	0818690		22,733.68				22,733.68			22,733.68
3	GZA GEOENVIRONMENTAL INC	0807134		15,469.92				15,469.92			15,469.92
4	ESMI OF NH	398407					783.84	783.84			783.84
5	CLEAN HARBORS	1003857554					2,712.91	2,712.91			2,712.91
6	CLEAN HARBORS	1003857552					4,135.74	4,135.74			4,135.74
7	GZA GEOENVIRONMENTAL INC	0820374		12,363.69				12,363.69			12,363.69
9	CLEAN HARBORS	1003899586					6,764.09	6,764.09			6,764.09
10	CLEAN HARBORS	1003899580					125.95	125.95			125.95
11	CLEAN HARBORS	1003926677					220.99	220.99			220.99
14	GZA GEOENVIRONMENTAL INC	0825914		28,248.14				28,248.14			28,248.14
15	GZA GEOENVIRONMENTAL INC	0827858		7,723.30				7,723.30			7,723.30
16	CLEAN HARBORS	1004036920					948.88	948.88			948.88
19	CLEAN HARBORS	1004102481					5,777.31	5,777.31			5,777.31
20	NH DEPT OF ENVIRONMENTAL SERVICES	2000003011 042822					581.87	581.87			581.87
21	CLEAN HARBORS	1004148869					10,981.62	10,981.62			10,981.62
23	GZA GEOENVIRONMENTAL INC	0832766		8,282.41				8,282.41			8,282.41
24	GZA GEOENVIRONMENTAL INC	0837385		44,671.02				44,671.02			44,671.02
26								0.00			0.00
27	Environmental Staff Time						146.89	146.89			146.89
	Total Pool Activity		0.00	139,492.16	0.00	0.00	33,180.09	172,672.25	0.00	(51,783.60)	120,888.65

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 GENERAL EXPENSES
 PROJECT DEF064

Schedule 3.2
 MGP Sites
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LINE NO.	VENDOR	REF NO.	1101 LEGAL EXPENSES	1102 CONSULTING EXPENSES	1105 REMEDIATION EXPENSES	1106 SETTLEMENT EXPENSES	1107 OTHER EXPENSES	SUBTOTAL EXPENSES	1108 INSURANCE & THIRD PARTY EXPENSE	1109 INSURANCE & THIRD PARTY RECOVERIES	TOTAL SUBMITTED
1	CASEY MARY	EXP0801-091021					7.42	7.42			7.42
2								0.00			0.00
3	Environmental Staff Time						8,338.49	8,338.49			8,338.49
Total Pool Activity			0.00	0.00	0.00	0.00	8,345.91	8,345.91	0.00	0.00	8,345.91

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 CONCORD MGP - REMEDIATION
 PROJECT DEF077

REDACTED
 Schedule 3.2
 MGP Sites
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LINE NO.	VENDOR	REF NO.	1101 LEGAL EXPENSES	1102 CONSULTING EXPENSES	1105 REMEDATION EXPENSES	1106 SETTLEMENT EXPENSES	1107 OTHER EXPENSES	SUBTOTAL EXPENSES	1108 INSURANCE & THIRD PARTY EXPENSE	1109 INSURANCE & THIRD PARTY RECOVERIES	TOTAL SUBMITTED
1	JOE GAUCI LANDSCAPING LLC	2021-5A-3576					585.00	585.00			585.00
2	JOE GAUCI LANDSCAPING LLC	2021-6-3576					660.00	660.00			660.00
3	CITY OF CONCORD	22000267					1,020.00	1,020.00			1,020.00
4	GZA GEOENVIRONMENTAL INC	0818976		11,426.25				11,426.25			11,426.25
5	GZA GEOENVIRONMENTAL INC	0807135		24,782.95				24,782.95			24,782.95
6	CASEY MARY	EXP0701-073121					39.09	39.09			39.09
7	JOE GAUCI LANDSCAPING LLC	2021-7-3576					700.00	700.00			700.00
8	CITY OF CONCORD GSD	410184-001 083021					10.20	10.20			10.20
9	NH DEPT OF ENVIRONMENTAL SERVICES	198904063 1479B					2,369.54	2,369.54			2,369.54
11	GZA GEOENVIRONMENTAL INC	0821673		8,996.49				8,996.49			8,996.49
12	CITY OF CONCORD GSD	410184-001 0921					10.20	10.20			10.20
13	CITY OF CONCORD GSD	410184-001 0721					10.50	10.50			10.50
14	NH DEPT OF ENVIRONMENTAL SERVICES	198904063 1479 A					1,829.05	1,829.05			1,829.05
15	CITY OF CONCORD GSD	410184-001 1021					10.20	10.20			10.20
16	JOE GAUCI LANDSCAPING LLC	2021-8-3576 REVISED					1,715.00	1,715.00			1,715.00
18	JOE GAUCI LANDSCAPING LLC	2021-9-3576					525.00	525.00			525.00
19	CITY OF CONCORD GSD	410184-001 113021					10.20	10.20			10.20
20	JOE GAUCI LANDSCAPING LLC	2021-10-3576					467.00	467.00			467.00
21	CLEAN HARBORS	1003968358					7,545.36	7,545.36			7,545.36
22	GZA GEOENVIRONMENTAL INC	0825959		16,215.59				16,215.59			16,215.59
23	JOE GAUCI LANDSCAPING LLC	2021-11-3576					245.00	245.00			245.00
24	CITY OF CONCORD	410184-001 NOV 2021					10.20	10.20			10.20
25	CLEAN HARBORS	1003899595					506.09	506.09			506.09
26	GZA GEOENVIRONMENTAL INC	0828847		10,685.71				10,685.71			10,685.71
27	CLEAN HARBORS	1004024891					245.25	245.25			245.25
28	NH DEPT OF ENVIRONMENTAL SERVICES	198904063 012722					3,211.43	3,211.43			3,211.43
29	CITY OF CONCORD GSD	410184-001 0122					10.20	10.20			10.20
30	CLEAN HARBORS	1004036917					2,892.93	2,892.93			2,892.93
31	NH DEPT OF ENVIRONMENTAL SERVICES	015477748FLE Q1 2021					1,296.00	1,296.00			1,296.00
32	CITY OF CONCORD GSD	410184-001 030122					10.20	10.20			10.20
34	CITY OF CONCORD GSD	410184-001 0422					10.20	10.20			10.20
35	CITY OF CONCORD GSD	410184-001 0522					10.20	10.20			10.20
37	GZA GEOENVIRONMENTAL INC	0837477		9,078.20				9,078.20			9,078.20
38								0.00			0.00
39	Environmental Staff Time						1,268.21	1,268.21			1,268.21
40	Total Pool Activity		0.00	81,185.19	0.00	0.00	27,222.25	108,407.44	0.00	(69,991.53)	38,415.91

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 CONCORD GAS HOLDER
 PROJECT DEF077

Schedule 3.2
 MGP Sites
 Page 8 of 9

LINE NO.	VENDOR	REF NO.	1101 LEGAL EXPENSES	1102 CONSULTING EXPENSES	1105 REMEDIATION EXPENSES	1106 SETTLEMENT EXPENSES	1107 OTHER EXPENSES	SUBTOTAL EXPENSES	1108 INSURANCE & THIRD PARTY EXPENSE	1109 INSURANCE & THIRD PARTY RECOVERIES	TOTAL SUBMITTED
1	ORR & RENO, P.A.	129019	8,359.00					8,359.00			8,359.00
2	ORR & RENO, P.A.	129341	546.00					546.00			546.00
3	ORR & RENO, P.A.	129824	468.00					468.00			468.00
4	ORR & RENO, P.A.	130445	546.00					546.00			546.00
5	GZA GEOENVIRONMENTAL INC	0820439		9,471.98				9,471.98			9,471.98
6	ORR & RENO, P.A.	131917	3,315.00					3,315.00			3,315.00
7	ORR & RENO, P.A.	131081	13,152.00					13,152.00			13,152.00
8	ORR & RENO, P.A.	131223	7,520.50					7,520.50			7,520.50
9	GZA GEOENVIRONMENTAL INC	0825957		15,357.31				15,357.31			15,357.31
10	HISTORIC PRESERVATION REDEVELOPMENT, LLC	APP #1						0.00	84,745.00		84,745.00
11	ORR & RENO, P.A.	132501	702.00					702.00			702.00
12	ORR & RENO, P.A.	133029	1,245.50					1,245.50			1,245.50
13	GZA GEOENVIRONMENTAL INC	0818835		32,123.49				32,123.49			32,123.49
14	ORR & RENO, P.A.	133570	156.00					156.00			156.00
15	CASEY MARY	EXP0118-011822					36.26	36.26			36.26
16	ORR & RENO, P.A.	014684-0126	369.00					369.00			369.00
17	ORR & RENO, P.A.	134689	656.00					656.00			656.00
18	ORR & RENO, P.A.	135704	164.00					164.00			164.00
19	HISTORIC PRESERVATION REDEVELOPMENT, LLC	APPLICATION #2						0.00	33,750.00		33,750.00
20	HISTORIC PRESERVATION REDEVELOPMENT, LLC	APP# 3						0.00	173,520.00		173,520.00
21	GZA GEOENVIRONMENTAL INC	0836284		10,380.43				10,380.43			10,380.43
22	GZA GEOENVIRONMENTAL INC	0836285		12,807.97				12,807.97			12,807.97
23	GZA GEOENVIRONMENTAL INC	0837392		77,204.19				77,204.19			77,204.19
24	Total Pool Activity		37,199.00	157,345.37	0.00	0.00	36.26	194,580.63	292,015.00	0.00	486,595.63

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 MANUFACTURED GAS PLANT ENVIRONMENTAL COSTS
 LIBERTY HILL - REMEDIATION
 PROJECT DEF086

Schedule 3.2
 MGP Sites
 Page 9 of 9

LINE NO.	VENDOR	REF NO.	1101 LEGAL EXPENSES	1102 CONSULTING EXPENSES	1105 REMEDATION EXPENSES	1106 SETTLEMENT EXPENSES	1107 OTHER EXPENSES	SUB-TOTAL EXPENSES	1108 INSURANCE & THIRD PARTY EXPENSES	1109 INSURANCE & THIRD PARTY RECOVERIES	TOTAL SUBMITTED
1	MULLER'S LAWN & LANDSCAPING, LLC	5711					800.00	800.00			800.00
2	GEI CONSULTANTS, INC.	3096256		912.45				912.45			912.45
3	MULLER'S LAWN & LANDSCAPING, LLC	5755					800.00	800.00			800.00
4	GEI CONSULTANTS, INC.	3097710		14,013.37				14,013.37			14,013.37
5	CLEAN HARBORS	1003926676					704.75	704.75			704.75
6	GEI CONSULTANTS, INC.	3100640		7,625.60				7,625.60			7,625.60
7	GEI CONSULTANTS, INC.	3099043		11,904.23				11,904.23			11,904.23
8	GEI CONSULTANTS, INC.	3102181		263.84				263.84			263.84
9	GEI CONSULTANTS, INC.	3104286		957.58				957.58			957.58
10	GEI CONSULTANTS, INC.	3105660		1,105.68				1,105.68			1,105.68
11	GEI CONSULTANTS, INC.	3107208		7,100.94				7,100.94			7,100.94
12	GEI CONSULTANTS, INC.	3109032		2,696.34				2,696.34			2,696.34
13								0.00			0.00
14	Environmental Staff Time						0.00	0.00			0.00
Total Pool Activity			0.00	46,580.03	0.00	0.00	2,304.75	48,884.78			48,884.78

Filed under the following protective orders:
 Order No. 22,853 dated February 18, 1998, in Docket No. DR 97-130
 Order No. 23,316 dated October 11, 1999, in Docket No. DG 99-132

REDACTED
 Schedule 3.3
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Liberty Utilities (Energy/Natural Gas) Corp. d/b/a Liberty
 Environmental Remediation - MGPs
 Tariff page 99

		General																MGP	
		(9/02 - 9/07)	(9/07 - 9/08)	(9/08 - 9/09)	(9/09 - 9/10)	(9/10 - 9/11)	(9/11 - 9/12)	(9/12 - 6/13)	(7/13 - 6/14)	(7/14 - 6/15)	(7/15 - 6/16)	(7/16 - 6/17)	(7/17 - 6/18)	(7/18 - 6/19)	(7/19 - 6/20)	(7/20 - 6/21)	(7/21 - 6/22)	subtotal	Remediation subtotal
		pool #1 - #5	pool #6	pool #7	pool #8	pool #9	pool #10	pool #11	pool #12	pool #13	pool #14	pool #15	pool #16	pool #17	pool #18	pool #19	pool #20		
1	1 Remediation costs (i.o. 500061)																	0	
2	Remediation costs (i.o. 500005)	806,611	-181,000	-26,884	4,199	69,286	93,034	75,204	13,139	16,612	11,879	6,547	10,799	6,868	7,111	5,646	8,346	927,397	
3	A Subtotal - remediation costs	806,611	-181,000	-26,884	4,199	69,286	93,034	75,204	13,139	16,612	11,879	6,547	10,799	6,868	7,111	5,646	8,346	927,397	
4	Cash recoveries (i.o. 500061)		0	0														0	
5	Cash recoveries (i.o. 500004)																	0	
6	Recovery costs (i.o. 500004)		16,012	23,953	0	0	-14,068	-1,358	0	-24,250	0	0	0	0	0	0	0	288	
7	Transfer Credit from Gas Restructuring		-3,331															-3,331	
8	B Subtotal - net recoveries	0	12,681	23,953	0	0	-14,068	-1,358	0	-24,250	0	0	0	0	0	0	0	-3,043	
9	A-B Total net expenses to recover	806,611	-168,319	-2,931	4,199	69,286	78,967	73,846	13,139	-7,638	11,879	6,547	10,799	6,868	7,111	5,646	8,346	924,355	
10	Surcharge revenue:																	0	
11	Act June 1998 - October 1998																	0	(54,889)
12	Act November 1998 - October 1999																	0	(538,143)
13	Act November 1999 - October 2000																	0	(912,804)
14	Act November 2000 - October 2001																	0	(1,336,776)
15	Act November 2001 - October 2002																	0	(1,679,228)
16	Act November 2002 - October 2003																	0	(1,732,442)
17	Act November 2003 - October 2004		-8,265															-8,265	(1,428,735)
18	Act November 2004 - October 2005		-70,898															-70,898	(1,403,787)
19	Act November 2005 - October 2006		-96,247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-96,247	(1,694,877)
20	Act November 2006 - October 2007		-49,318	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-49,318	(2,036,113)
21	Act November 2007 - October 2008		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
22	Act November 2012 - October 2013		0	0	0	0	-5,002	-5,002	0	0	0	0	0	0	0	0	0	-10,003	(160,048)
23	Act November 2013 - October 2014						-12,749	-12,749										-25,498	(293,217)
24	Act Nov 2009-Oct 2010 Base Rate Rev																	0	(10,611)
25	Act Nov 2010-Oct 2011 Base Rate Rev																	0	(77,509)
26	Act Nov 2011-Oct 2012 Base Rate Rev																	0	(68,244)
27	Act Nov 2012-Oct 2013 Base Rate Rev																	0	(76,335)
28	Act Nov 2013-Oct 2014 Base Rate Rev																	0	(85,298)
29	Act Nov 2014-Oct 2015 Base Rate Rev																	0	(86,554)
30	AES collections																	0	(282,039)
31	Gas Street overcollection																	0	(23,511)
32	Prior Period Pool under/overcollection	1,486,644	2,068,527	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
33	C Surcharge Subtotal	1,261,916	2,068,527	0	0	-17,750	-17,750	-12,749	0	0	0	0	0	0	0	0	0	-272,977	(13,981,161)
34	D Net balance to be recovered (A-B+C)	2,068,527	1,900,208	-2,931	4,199	51,536	61,217	61,098	13,139	-7,638	11,879	6,547	10,799	6,868	7,111	5,646	8,346	651,378	
35	E Allocation of Litigated Recovery	0	-1,900,208	2,931	-4,199	-8,562	0	0	0	0	0	0	0	0	0	0	0	-1,910,037	
36	Surcharge calculation																	0	
37	Unrecovered costs (D+E)		0	0	0	0	0	0	0	1,697	1,870	4,628	3,925	5,079	4,839	8,346	30,384		
38	remaining life	72	84	84	84	12	12	12	12	12	24	36	48	60	72	84	84		
39	one year	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12		
40	F amortization	0	0	0	0	0	0	0	0	1,697	935	1,543	981	1,016	807	1,192			
41	Required annual increase in rates: smaller of D or F	0	0	0	0	0	0	0	0	1,697	935	1,543	981	1,016	807	1,192	8,171		
43	forecasted therm sales	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	179,574,679	186,338,561	186,338,561	186,338,561	186,338,561
44	surcharge per therm	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0053

1. While the recoveries are displayed on the Summary, Cash Recoveries by site, are not exclusive to a particular site.

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP. d/b/a LIBERTY
 ENVIRONMENTAL OVER/UNDER CALCULATION

REDACTED
 Schedule 3.4
 Page 1 of 1

	Spend Period	Jul 11 - Jun 12	Jul 12 - Jun 13	Jul 13 - Jun 14	Jul 14 - Jun 15	Jul 15 - Jun 16	Jul 16 - Jun 17	Jul 17 - Jun 18	Jul 18 - Jun 19	Jul 19 - Jun 20	Jul 20 - Jun 21	Jul 21 - Jun 22
	Collection Period	Jul 12 - Jun 13	Jul 13 - Jun 14	Jul 14 - Jun 15	Jul 15 - Jun 16	Jul 16 - Jun 17	Jul 17 - Jun 18	Jul 18 - Jun 19	Jul 19 - Jun 20	Jul 20 - Jun 21	Jul 21 - Jun 22	Jul 22 - Jun 20
1 BEGINNING BALANCE		\$ (364,633)	\$ 942,575	\$ 1,123,799	\$ 4,619,174	\$ 13,369,967	\$ 14,299,456	\$ 12,011,196	\$ 9,615,113	\$ 7,352,013	\$ 4,692,809	\$ 2,830,563
2 SPEND / THIRD PARTY RECOVERIES												
3 Concord Pond		81,238	59,069	32,324	78,235	34,590	88,148	127,356	72,283	172,764	313,043	302,532
4 Liberty Hill												
5 Manchester		442,298	(188,619)	61,210	75,440	22,690	50,523	346,043	38,019	155,032	5,080	120,889
6 Nashua		396,411	(80,241)	35,950	65,217	62,435	85,314	15,523	81,969	11,472	61,016	331,327
7 Keene												
8 Concord												
9 General		78,967	73,846	13,139	(7,638)	11,879	6,547	10,799	6,868	7,111	5,646	8,346
10 Difference between the GL and Filing		-	9,545	(10,312)	(921)	(2,506)	(783)	(84,532)	811	16,776	78,185	(192,396)
11 TOTAL SPEND		\$ 1,526,211	\$ 563,370	\$ 4,408,258	\$ 10,640,893	\$ 3,405,922	\$ 463,352	\$ 506,790	\$ 258,974	\$ 457,668	\$ 861,583	\$ 1,144,594
12 ENVIRONMENTAL COSTS RECOVERED IN BASE RATES (DG 10-017)		\$ (78,892)	\$ (78,892)	\$ (78,892)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
13 ACTUAL ENVIROMENTAL COLLECTIONS PER GL		\$ (140,111)	\$ (303,254)	\$ (833,991)	\$ (1,890,100)	\$ (2,476,432)	\$ (2,751,612)	\$ (2,902,873)	\$ (2,522,075)	\$ (3,116,872)	\$ (2,723,828)	\$ -
14 Current Pool Under (Over) Collection		\$ 942,575	\$ 181,224	\$ 3,495,375	\$ 8,750,793	\$ 929,490	\$ (2,288,261)	\$ (2,396,083)	\$ (2,263,100)	\$ (2,659,204)	\$ (1,862,246)	\$ 1,144,594
15 ENDING BALANCE - UNDER (OVER) COLLECTION		\$ 942,575	\$ 1,123,799	\$ 4,619,174	\$ 13,369,967	\$ 14,299,456	\$ 12,011,196	\$ 9,615,113	\$ 7,352,013	\$ 4,692,809	\$ 2,830,563	\$ 3,975,157
16 Regulatory Filing Reconciliation (Balance through June 2019) :												
17 Balance in GL	Per Audit Staff	\$ 9,874,087										
18 Actual Balance per Filing		\$ 8,844,611										
19 Adjustment to Tie to Audit Report dated April 9, 2020		\$ 5,309										
20 Adjustment Necessary to Filing		\$ 1,024,167					Collection over 3 years					

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 – October 2023 LDAC
Revenue Decoupling Adjustment Factor (RDAF)

Schedule 4
RDAF
Page 1 of 3

1	<u>Residential</u> Residential Projected September 1, 2022 Reconciliation Balance of Prior Recoveries / (Refunds)	(\$799,553)
2	Residential Revenue Decoupling Deficiency / (Excess) - Current Period	<u>\$3,563,691</u>
3	Total Residential Revenue Decoupling Deficiency / (Excess) - September 1, 2022	\$2,764,138
4	Estimated Residential November 2022 - October 2023 Sales (therms)	67,543,787
5	Residential Revenue Decoupling rate per therm November 2022 - October 2023	\$0.0409
6	<u>Commercial</u> Commercial Projected September 1, 2022 Reconciliation Balance of Prior Recoveries / (Refunds)	(\$484,007)
7	Residential Revenue Decoupling Deficiency / (Excess) - Current Period	<u>\$841,320</u>
8	Total Commercial Revenue Decoupling Deficiency / (Excess) - September 1, 2022	\$357,314
9	Estimated Commercial November 2022 - October 2023 Sales (therms)	118,794,774
10	Commercial Revenue Decoupling rate per therm November 2022 - October 2023	\$0.0030

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
September 2021 through August 2022
Revenue Decoupling - Collections by Sector

RESIDENTIAL		(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Estimate)	(Estimate)
1	FOR THE MONTH OF:	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
2	DAYS IN MONTH	30	31	30	31	31	28	31	30	31	30	31	31
3	Over / Under Beginning Balance	\$ 3,810,143	\$ (146,437)	\$ (69,953)	\$ 8,734	\$ (89,944)	\$ (227,042)	\$ (408,084)	\$ (559,489)	\$ (664,545)	\$ (725,901)	\$ (755,348)	\$ (778,675)
4	2019 Filing - November 2018 - October 2019	\$ (1,932,224)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5	2020 Filing - November 2019 - October 2020	\$ (2,092,605)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6	Adjusted Beginning Balance	\$ (214,687)	\$ (146,437)	\$ (69,953)	\$ 8,734	\$ (89,944)	\$ (227,042)	\$ (408,084)	\$ (559,489)	\$ (664,545)	\$ (725,901)	\$ (755,348)	\$ (778,675)
7	Monthly billing activity	\$ 63,363	\$ 76,782	\$ 78,768	\$ (98,567)	\$ (136,661)	\$ (180,251)	\$ (150,071)	\$ (103,298)	\$ (59,292)	\$ (27,016)	\$ (20,240)	\$ (17,700)
8	Ending Balance Pre-Interest	\$ (151,324)	\$ (69,654)	\$ 8,816	\$ (89,832)	\$ (226,605)	\$ (407,294)	\$ (558,155)	\$ (662,787)	\$ (723,837)	\$ (752,917)	\$ (775,587)	\$ (796,376)
9	Month's Average Balance	\$ 1,829,410	\$ (108,046)	\$ (30,568)	\$ (40,549)	\$ (158,275)	\$ (317,168)	\$ (483,120)	\$ (611,138)	\$ (694,191)	\$ (739,409)	\$ (765,467)	\$ (787,525)
10	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.50%	3.50%	4.00%	4.75%	4.75%
11	Interest Applied	\$ 4,887	\$ (298)	\$ (82)	\$ (112)	\$ (437)	\$ (791)	\$ (1,334)	\$ (1,758)	\$ (2,064)	\$ (2,431)	\$ (3,088)	\$ (3,177)
12	Ending Balance	\$ (146,437)	\$ (69,953)	\$ 8,734	\$ (89,944)	\$ -227,042.2201	\$ (408,084)	\$ (559,489)	\$ (664,545)	\$ (725,901)	\$ (755,348)	\$ (778,675)	\$ (799,553)
COMMERCIAL & INDUSTRIAL		(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Estimate)	(Estimate)
13	FOR THE MONTH OF:	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
14	DAYS IN MONTH	30	31	30	31	31	28	31	30	31	30	31	31
15	Over / Under Beginning Balance	\$ (266,020)	\$ (179,137)	\$ (83,561)	\$ 23,041	\$ (23,690)	\$ (83,129)	\$ (149,295)	\$ (210,545)	\$ (253,479)	\$ (286,275)	\$ (308,334)	\$ (326,657)
16	Monthly billing activity	\$ 87,476	\$ 95,938	\$ 106,683	\$ (46,730)	\$ (59,292)	\$ (65,877)	\$ (60,754)	\$ (42,268)	\$ (31,995)	\$ (21,083)	\$ (17,045)	\$ (155,718)
17	Ending Balance Pre-Interest	\$ (178,544)	\$ (83,199)	\$ 23,122	\$ (23,689)	\$ (82,982)	\$ (149,006)	\$ (210,049)	\$ (252,813)	\$ (285,474)	\$ (307,358)	\$ (325,379)	\$ (482,375)
18	Month's Average Balance	\$ (222,282)	\$ (131,168)	\$ (30,220)	\$ (324)	\$ (53,336)	\$ (116,067)	\$ (179,672)	\$ (231,679)	\$ (269,477)	\$ (296,817)	\$ (316,856)	\$ (404,516)
19	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.50%	3.50%	4.00%	4.75%	4.75%
20	Interest Applied	\$ (594)	\$ (362)	\$ (81)	\$ (1)	\$ (147)	\$ (289)	\$ (496)	\$ (666)	\$ (801)	\$ (976)	\$ (1,278)	\$ (1,632)
21	Ending Balance	\$ (179,137)	\$ (83,561)	\$ 23,041	\$ (23,690)	\$ (83,129)	\$ (149,295)	\$ (210,545)	\$ (253,479)	\$ (286,275)	\$ (308,334)	\$ (326,657)	\$ (484,007)
22	Total Ending Balance	\$ (325,574)	\$ (153,514)	\$ 31,775	\$ (113,634)	\$ (310,171)	\$ (557,379)	\$ (770,034)	\$ (918,024)	\$ (1,012,176)	\$ (1,063,682)	\$ (1,105,332)	\$ (1,283,559)

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
September 2021 through August 2022
Revenue Decoupling Activity by Sector

RESIDENTIAL		(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Estimate)	(Estimate)	(Estimate)	(Estimate)	(Estimate)	(Estimate)
1	FOR THE MONTH OF:	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
2	DAYS IN MONTH	30	31	30	31	31	28	31	30	31	30	31	31
3	Over Under Beginning Balance	\$ 1,156,969	\$ 1,347,628	\$ 2,084,603	\$ 2,695,831	\$ 3,121,411	\$ 3,106,793	\$ 3,528,013	\$ 3,626,828	\$ 3,516,592	\$ 3,518,450	\$ 3,639,377	\$ 3,542,167
4	Monthly revenue difference Inc/(Dec) revenue	\$ 170,543	\$ 695,995	\$ 602,442	\$ 288,165	\$ (52,190)	\$ 276,867	\$ (263,559)	\$ (180,617)	\$ (103,419)	\$ 59,549	\$ (186,059)	\$ (72,360)
5	True up	\$ 16,775	\$ 36,250	\$ 2,410	\$ 129,397	\$ 28,989	\$ 136,093	\$ 352,512	\$ 60,121	\$ 94,837	\$ 49,631	\$ 74,392	\$ 79,580
6	Ending Balance Pre-Interest	\$ 1,344,287	\$ 2,079,873	\$ 2,689,455	\$ 3,113,393	\$ 3,098,209	\$ 3,519,753	\$ 3,616,967	\$ 3,506,331	\$ 3,508,009	\$ 3,627,630	\$ 3,527,710	\$ 3,549,386
7	Month's Average Balance	\$ 1,250,628	\$ 1,713,750	\$ 2,387,029	\$ 2,904,612	\$ 3,109,810	\$ 3,313,273	\$ 3,572,490	\$ 3,566,580	\$ 3,512,300	\$ 3,573,040	\$ 3,583,543	\$ 3,545,776
8	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.50%	3.50%	4.00%	4.75%	4.75%
9	Interest Applied	\$ 3,341	\$ 4,730	\$ 6,376	\$ 8,018	\$ 8,584	\$ 8,260	\$ 9,861	\$ 10,260	\$ 10,441	\$ 11,747	\$ 14,457	\$ 14,305
10	Ending Balance	\$ 1,347,628	\$ 2,084,603	\$ 2,695,831	\$ 3,121,411	\$ 3,106,793	\$ 3,528,013	\$ 3,626,828	\$ 3,516,592	\$ 3,518,450	\$ 3,639,377	\$ 3,542,167	\$ 3,563,691
COMMERCIAL & INDUSTRIAL		(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Estimate)	(Estimate)	(Estimate)	(Estimate)	(Estimate)	(Estimate)
11	FOR THE MONTH OF:	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22
12	DAYS IN MONTH	30	31	30	31	31	28	31	30	31	30	31	31
13	Over Under Beginning Balance	\$ 736,980	\$ 785,300	\$ 556,178	\$ (412,215)	\$ (282,714)	\$ (1,294,898)	\$ 535,354	\$ 830,694	\$ 441,871	\$ 881,705	\$ 889,420	\$ 800,999
14	Monthly revenue difference Inc/(Dec) revenue	\$ 43,875	\$ (239,968)	\$ (949,941)	\$ 25,392	\$ (1,055,358)	\$ 1,765,498	\$ 9,429	\$ (364,478)	\$ 249,240	\$ (59,661)	\$ (124,518)	\$ (12,210)
15	True up	\$ 2,414	\$ 8,997	\$ (18,644)	\$ 105,067	\$ 45,348	\$ 65,699	\$ 284,028	\$ (26,173)	\$ 188,630	\$ 64,469	\$ 32,693	\$ 49,226
16	Ending Balance Pre-Interest	\$ 783,270	\$ 554,329	\$ (412,407)	\$ (281,756)	\$ (1,292,724)	\$ 536,300	\$ 828,812	\$ 440,043	\$ 879,741	\$ 886,513	\$ 797,596	\$ 838,014
17	Month's Average Balance	\$ 760,125	\$ 669,815	\$ 71,886	\$ (346,985)	\$ (787,719)	\$ (379,299)	\$ 682,083	\$ 635,369	\$ 660,806	\$ 884,109	\$ 843,508	\$ 819,507
18	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.50%	3.50%	4.00%	4.75%	4.75%
19	Interest Applied	\$ 2,030	\$ 1,849	\$ 192	\$ (958)	\$ (2,174)	\$ (946)	\$ 1,883	\$ 1,828	\$ 1,964	\$ 2,907	\$ 3,403	\$ 3,306
20	Ending Balance	\$ 785,300	\$ 556,178	\$ (412,215)	\$ (282,714)	\$ (1,294,898)	\$ 535,354	\$ 830,694	\$ 441,871	\$ 881,705	\$ 889,420	\$ 800,999	\$ 841,320
21	Total Ending Balance	\$ 2,132,927.97	\$ 2,640,781.40	\$ 2,283,616.52	\$ 2,838,697.04	\$ 1,811,895.13	\$ 4,063,367.21	\$ 4,457,521.81	\$ 3,958,462.60	\$ 4,400,155.47	\$ 4,528,797.36	\$ 4,343,165.23	\$ 4,405,011.03

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Property Tax Adjustment Mechanism
Summary**

Line Property Tax Reconciliation

1	Projected Prior Period (Over)/Under Balance through October 31, 2022, including interest	\$256,865
2	PTY 2021 Municipal Property Taxes Variance	\$2,013,469
3	Projected Interest	\$128,065
4	Total Estimated Recovery	\$2,398,399
5	Estimated November 2022 - October 2023 Sales (therms)	186,338,561
6	PTAM LDAC rate per therm November 2022 - October 2023	\$0.0129

Reference:

- 1 Schedule 5 page 2, Col. C, Line 12 + Col. F, Line 12
- 2 Schedule 5 page 3, Line 3
- 3 Schedule 5 page 5, Col. F, Line 15
- 4 Line 1 + Line 2 + Line 3
- 5 Company Forecast
- 6 Line 4 divided by Line 5

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Property Tax Adjustment Mechanism
Reconciliation of Previous Period January 2022 – October 2022**

1	Month	Property Tax Beginning Balance	Collections	(Over)/Under Ending Balance	Balance Subject to Interest	Interest Rate	Interest	Cumulative Interest
2		(a)	(b)	(c)	(d)	(e)	(f)	(g)
3	Jan-22	\$1,972,667	(\$100,243)	\$1,872,424	\$1,922,545	3.25%	\$5,207	\$5,207
4	Feb-22	\$1,877,631	(\$400,615)	\$1,477,015	\$1,677,323	3.25%	\$4,543	\$9,750
5	Mar-22	\$1,481,558	(\$358,370)	\$1,123,187	\$1,302,373	3.25%	\$3,527	\$13,277
6	Apr-22	\$1,126,715	(\$247,648)	\$879,067	\$1,002,891	3.50%	\$2,925	\$16,202
7	May-22	\$881,992	(\$170,017)	\$711,975	\$796,983	3.50%	\$2,325	\$18,527
8	Jun-22	\$714,299	(\$97,945)	\$616,355	\$665,327	4.00%	\$2,218	\$20,744
*	9 Jul-22	\$618,573	(\$66,408)	\$552,165	\$585,369	4.75%	\$2,317	\$23,061
*	10 Aug-22	\$554,482	(\$68,701)	\$485,781	\$520,132	5.50%	\$2,384	\$25,445
*	11 Sep-22	\$488,165	(\$86,847)	\$401,318	\$444,742	5.50%	\$2,038	\$27,484
*	12 Oct-22	\$403,357	(\$148,001)	\$255,355	\$329,356	5.50%	\$1,510	\$28,993
13			(\$1,744,795)					
14			Projected Cumulative Collection		(\$1,744,795)			
15			Total Approved Collection		\$1,972,667			
16			(Over)/Under Collection, excluding interest		\$227,872			
17			Cumulative Interest		\$28,993			
18			Total (Over)/Under Collection, including interest		\$256,865			

- (a) Prior Period Col. (c) + Prior Period Col. (f); 1/1/22 Beginning balance approved in DG 21-128
(b) Actuals: Company financials; Forecast: PTAM Rate * Forecasted Therms
(c) Column (a) + Column (b)
(d) [Column (a) + Column (c)] ÷ 2
(e) Interest rate effective first of the month
(f) Column (d) x [Column (e) ÷ 12]
(g) Column (f) + Prior Month Column (g)
* Projected

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Property Tax Adjustment Mechanism
Calculation of 2021 Municipal Property Taxes

<u>Line</u>	<u>Amount</u>	<u>Reference</u>	<u>Source</u>
1	\$8,924,897	Calculated Municipal Property Taxes Included in Rates through 12/31/2021	Settlement Agreement - DG 20-105 Bates 32
2	\$10,938,366	Municipal Property Taxes Billed April 2021 – March 2022	Schedule 5 Page 4, Line 68
3	<u>\$2,013,469</u>	Increase To Rates Due To Municipal Property Tax Reconciliation	Line 2 minus Line 1

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Property Tax Adjustment Mechanism
Municipal Property Tax 2021 Invoices

Tax Year 2021							
Line	Municipality	Parcel	Installment #1	Installment #2	Installment #3	Installment #4	Total Due
1	Allenstown	000400-000001-000000	31,268.00	25,077.00	-	-	56,345.00
2	Amherst	002-033-008	69,909.00	41,932.00	-	-	111,841.00
3	Amherst	002-033-007	3,592.00	1,829.00	-	-	5,421.00
4	Auburn	000001/000001/000UTL	687.00	918.00	-	-	1,605.00
5	Bedford	1-1-A	68,725.58	87,658.02	-	-	156,383.60
6	Belmont	999-000-000-001	20,581.07	21,482.20	-	-	42,063.27
7	Berlin	000404-000051.0000L1	9,747.00	9,491.00	-	-	19,238.00
8	Boscawen	000099-000002-000000	13,058.00	15,109.00	-	-	28,167.00
9	Bow	0-9-99	74,046.00	66,330.00	-	-	140,376.00
10	Canterbury	000000-000002-000000	3,450.00	1,916.00	-	-	5,366.00
11	Derry	35-102	46,778.41	61,748.78	-	-	108,527.19
12	Franklin	000-001-00	52,458.91	54,519.08	-	-	106,977.99
13	Gilford	200-003.000	3,886.00	2,411.00	-	-	6,297.00
14	Goffstown	99-4-3	46,701.04	46,537.41	-	-	93,238.45
15	Goffstown	99-4-2	1,381.22	1,376.37	-	-	2,757.59
16	Goffstown	99-4-1	N/A	N/A	-	-	-
17	Hollis	056-027-001	2,381.00	1,753.00	-	-	4,134.00
18	Hooksett	0GAS-0001	152,381.00	145,397.00	-	-	297,778.00
19	Hooksett	0036-0041-0001	3,095.00	2,953.00	-	-	6,048.00
20	Hudson	100-006-000	205,572.02	179,499.88	-	-	385,071.90
21	Hudson	167-030-000	846.31	875.24	-	-	1,721.55
22	Hudson	167-029-000	807.71	1,304.48	-	-	2,112.19
23	Laconia	425/44/83/1	156,290.00	161,711.00	-	-	318,001.00
24	Litchfield	000UTL-000UTL-000001	10,444.00	19,150.00	-	-	29,594.00
25	Londonderry	81-7-0	55,967.00	37,246.00	-	-	93,213.00
26	Londonderry	81-7-1	237,336.00	245,313.00	-	-	482,649.00
27	Londonderry	81-14-0	19,151.30	14,104.30	-	-	33,255.60
28	Londonderry	81-14-0	1,815.10	21,268.80	-	-	23,083.90
29	Loudon	000070-000004-000000	102,350.00	60,796.00	-	-	163,146.00
30	Manchester	0999A-0075	1,175,690.57	1,175,515.66	-	-	2,351,206.23
31	Manchester	0752-0001	24,155.36	17,292.84	-	-	41,448.20
32	Manchester	0508-0002A	74.71	50.48	-	-	125.19
33	Manchester	0394-0004	323.35	209.51	-	-	532.86
34	Manchester	0471-0008	551.93	361.32	-	-	913.25
35	Merrimack	006D-3-000000-000000	191,500.00	78,677.00	-	-	270,177.00
36	Milford	036-183-000-000	767.66	968.62	-	-	1,736.28
37	Milford	055-007-000-000	75,708.86	44,120.43	-	-	119,829.29
38	Nashua	0039-00026	1,544.88	1,630.67	-	-	3,175.55
39	Nashua	0038-00063	94.44	99.68	-	-	194.12
40	Nashua	0038-00020	148.84	157.11	-	-	305.95
41	Nashua	0041-00011	39,779.95	40,925.44	-	-	80,705.39
42	Nashua	0000PC-00005	1,284,551.84	1,342,094.32	-	-	2,626,646.16
43	Northfield	000999-000001-000001	30,147.00	21,438.00	-	-	51,585.00
44	Pembroke	999-11	77,788.00	76,893.00	-	-	154,681.00
45	Sanborton	00.003.000.000	2,664.00	1,673.00	-	-	4,337.00
46	Tilton	000R23-000013-000000	129,478.00	120,987.00	-	-	250,465.00
47	Tilton	000R23-000014-000000	11,634.00	8,984.00	-	-	20,618.00
48	7 DELTA DRIVE, LLC	2021P01001303	14,659.00	13,709.00	-	-	28,368.00
49	Concord	77Z/12	8,106.05	8,106.05	7,174.62	7,832.47	31,219.19
50	Concord	77Z/11	573.67	573.68	503.35	550.18	2,200.88
51	Concord	77Z/10	6,644.38	6,644.40	5,880.91	6,420.15	25,589.84
52	Concord	77Z/9	322.95	322.94	285.84	312.06	1,243.79
53	Concord	77Z/7	591.76	591.76	523.76	571.78	2,279.06
54	Concord	77Z/6	933.99	934.61	827.23	903.08	3,598.91
55	Concord	77Z/6/A	5.69	5.68	4.99	5.47	21.83
56	Concord	NO00/1/13	11,744.34	11,744.35	13,628.82	22,179.03	59,296.54
57	Concord	P000/1/6	933.91	933.93	785.38	1,635.83	4,289.05
58	Concord	792Z/2/1	424.99	425.01	262.39	125.68	1,238.07
59	Concord	P000/1/3	31,122.34	31,122.32	26,182.08	28,405.53	116,832.27
60	Concord	NO00/1/2	391,483.61	391,483.60	454,308.04	437,962.67	1,675,237.92
61	Concord	202Z/2/1	263.83	263.84	233.52	254.94	1,016.13
62	Concord	743Z/19	1,834.39	1,834.40	1,623.61	1,780.19	7,072.59
63	Concord	494Z/3	300.54	300.56	266.02	290.38	1,157.50
64	Keene	583038000001000	122,879.38	115,131.72	-	-	238,011.10
65	Keene	116039000000000	8080.69	10733.51	-	-	18,814.20
66	R&M REALTY	582014000000000	5301.22	4902.31	-	-	10,203.53
67	Keene Propane	047020020000	3549.06	4033.21	-	-	7,582.27
68	Total		5,051,064.85	4,865,581.52	512,490.56	509,229.44	10,938,366.37

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Property Tax Adjustment Mechanism
Forecasted Period November 2022 – October 2023**

1	Month	Property Tax Beginning Balance	PTAM Rate (\$/Therm)	Forecasted Therms	Collections	(Over)/Under Ending Balance	Balance Subject to Interest	Interest Rate	Interest	Cumulative Interest
2		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
* 3	Nov-22	\$2,270,334	\$0.0124	0	\$0	\$2,270,334	\$2,270,334	5.50%	\$10,406	\$10,406
* 4	Dec-22	\$2,280,740	\$0.0124	0	\$0	\$2,280,740	\$2,280,740	5.50%	\$10,453	\$20,859
* 5	Jan-23	\$2,291,194	\$0.0124	0	\$0	\$2,291,194	\$2,291,194	5.50%	\$10,501	\$31,360
* 6	Feb-23	\$2,301,695	\$0.0124	0	\$0	\$2,301,695	\$2,301,695	5.50%	\$10,549	\$41,910
* 7	Mar-23	\$2,312,244	\$0.0124	0	\$0	\$2,312,244	\$2,312,244	5.50%	\$10,598	\$52,508
* 8	Apr-23	\$2,322,842	\$0.0124	0	\$0	\$2,322,842	\$2,322,842	5.50%	\$10,646	\$63,154
* 9	May-23	\$2,333,488	\$0.0124	0	\$0	\$2,333,488	\$2,333,488	5.50%	\$10,695	\$73,849
* 10	Jun-23	\$2,344,184	\$0.0124	0	\$0	\$2,344,184	\$2,344,184	5.50%	\$10,744	\$84,593
* 11	Jul-23	\$2,354,928	\$0.0124	0	\$0	\$2,354,928	\$2,354,928	5.50%	\$10,793	\$95,387
* 12	Aug-23	\$2,365,721	\$0.0124	0	\$0	\$2,365,721	\$2,365,721	5.50%	\$10,843	\$106,230
* 13	Sep-23	\$2,376,564	\$0.0124	0	\$0	\$2,376,564	\$2,376,564	5.50%	\$10,893	\$117,122
* 14	Oct-23	\$2,387,457	\$0.0124	0	\$0	\$2,387,457	\$2,387,457	5.50%	\$10,943	\$128,065
15	Total			0	\$0				\$128,065	
16		Projected Cumulative Collection				\$0				
17		Total Approved Collection				\$2,270,334				
18		(Over)/Under Collection, excluding interest				\$2,270,334				
19		Cumulative Interest				\$128,065				
20		Total (Over)/Under Collection, including interest				\$2,398,399				

- (a) Prior period Column (e) + Prior period Column (h); 11/1/22 Beginning balance Schedule 5, Page 2, Col. (c), Line 12 + Col. (f), Line 12 + Page 3, Line 3
- (b) Schedule 5, Page 1, Line 6
- (c) Company forecast
- (d) Column (a) * Column (b)
- (e) Column (a) * Column (d)
- (f) [Column (a) + Column (e)] ÷ 2
- (g) Interest rate effective first of the month
- (h) Column (f) x [Column (g) ÷ 12]
- (i) Column (h) + Prior Month Column (i)
- * Projected

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2022 – October 2023 LDAC
Local Delivery Adjustment Charge (LDAC) - Recovery of Rate Case Expense and Recoupment

<u>Line No.</u>	<u>Description</u> (A)	<u>Total</u> (B)
1	Prior Period Recoupment/Rate Case Expense (Over)/Under Collection, including interest as of October 31, 2022	\$ 72,693
2	Rate Case Expense DG 17-048	\$ (4,836)
3	Rate Case Expense DG 20-105	<u>\$ 848,198</u>
4	Rate Case Expense to Recover as of August 31, 2022	<u>\$ 843,361</u>
5	Projected Recoupment/Rate Case Expense Recovery	<u>\$ 916,054</u>
6	Projected Interest	<u>\$ 21,445</u>
7	Total Projected Recovery, November 1, 2022 - October 31, 2023	<u><u>\$ 937,499</u></u>
8	Forecast Throughput (Therms)	186,338,561
9	RCE Factor (\$/Therm)	\$0.0050

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Recoupment Reconciliation
Reconciliation of Previous Period November 2021 – October 2022**

1	Month	Recoupment Beginning Balance	Recovery Rate	Therm Sales	Collections	(Over)/Under Ending Balance	Balance Subject to Interest	Interest Rate	Interest	Cumulative Interest
2		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
3	Nov-21	\$1,331,220	\$0.0074	9,552,224	(\$70,686)	\$1,260,534	\$1,295,877	3.25%	\$3,510	\$3,510
4	Dec-21	\$1,264,043	\$0.0074	19,373,061	(\$143,361)	\$1,120,683	\$1,192,363	3.25%	\$3,229	\$6,739
5	Jan-22	\$1,123,912	\$0.0074	21,618,745	(\$159,979)	\$963,933	\$1,043,923	3.25%	\$2,827	\$9,566
6	Feb-22	\$966,760	\$0.0074	28,515,426	(\$211,014)	\$755,746	\$861,253	3.25%	\$2,333	\$11,899
7	Mar-22	\$758,079	\$0.0074	25,446,880	(\$188,307)	\$569,772	\$663,925	3.25%	\$1,798	\$13,697
8	Apr-22	\$571,570	\$0.0074	17,948,292	(\$132,817)	\$438,753	\$505,161	3.50%	\$1,473	\$15,170
9	May-22	\$440,226	\$0.0074	12,444,255	(\$92,087)	\$348,139	\$394,182	3.50%	\$1,150	\$16,320
10	Jun-22	\$349,288	\$0.0074	7,178,033	(\$53,117)	\$296,171	\$322,730	4.00%	\$1,076	\$17,396
11	Jul-22	\$297,247	\$0.0074	5,533,972	(\$40,951)	\$256,295	\$276,771	4.75%	\$1,096	\$18,491
*	12 Aug-22	\$257,391	\$0.0074	5,725,074	(\$42,366)	\$215,025	\$236,208	5.50%	\$1,083	\$19,574
*	13 Sep-22	\$216,108	\$0.0074	7,237,234	(\$53,556)	\$162,552	\$189,330	5.50%	\$868	\$20,442
*	14 Oct-22	\$163,420	\$0.0074	12,333,426	(\$91,267)	\$72,153	\$117,786	5.50%	\$540	\$20,982
15					(\$1,279,509)				\$20,982	
16		Projected Cumulative Collection			(\$1,279,509)					
17		Total Approved Collection			\$1,331,220					
18		(Over)/Under Collection, excluding interest			\$51,711					
19		Cumulative Interest			\$20,982					
20		Total (Over)/Under Collection, including interest			\$72,693					

(a) October 19, 2021, Updated Filing Bates 126
(b) Approved in Docket No. DG 21-130
(c) Company Data
(d) Column (b) x Column (c.)
(e) Column (a) + Column (d)
(f) [Column (a) + Column (d)] ÷ 2
(g) Prime Rate effective first of each month
(h) [Column (f) x (Column (g) / 12)]
(i) Column (g) + Prior Month Column (f)
* Projected

**Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Recoupment/Rate Case Expense Reconciliation
Forecasted Recovery November 2022 – October 2023**

1	Month	Beginning Balance	Recovery Rate (\$/Therm)	Therm Sales	Collections	(Over)/Under Ending Balance	Balance Subject to Interest	Interest Rate	Interest	Cumulative Interest
2		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
* 3	Nov-22	\$916,054	\$0.0047	18,136,869	(\$85,243)	\$830,811	\$873,432	5.50%	\$4,003	\$4,003
* 4	Dec-22	\$834,814	\$0.0047	25,743,913	(\$120,996)	\$713,817	\$774,316	5.50%	\$3,549	\$7,552
* 5	Jan-23	\$717,366	\$0.0047	29,871,794	(\$140,397)	\$576,969	\$647,168	5.50%	\$2,966	\$10,518
* 6	Feb-23	\$579,935	\$0.0047	25,118,132	(\$118,055)	\$461,880	\$520,908	5.50%	\$2,387	\$12,906
* 7	Mar-23	\$464,267	\$0.0047	22,114,523	(\$103,938)	\$360,329	\$412,298	5.50%	\$1,890	\$14,796
* 8	Apr-23	\$362,219	\$0.0047	14,278,524	(\$67,109)	\$295,110	\$328,664	5.50%	\$1,506	\$16,302
* 9	May-23	\$296,616	\$0.0047	10,395,230	(\$48,858)	\$247,759	\$272,187	5.50%	\$1,248	\$17,549
* 10	Jun-23	\$249,006	\$0.0047	6,716,470	(\$31,567)	\$217,439	\$233,222	5.50%	\$1,069	\$18,618
* 11	Jul-23	\$218,508	\$0.0047	6,090,557	(\$28,626)	\$189,882	\$204,195	5.50%	\$936	\$19,554
* 12	Aug-23	\$190,818	\$0.0047	6,296,037	(\$29,591)	\$161,227	\$176,022	5.50%	\$807	\$20,361
* 13	Sep-23	\$162,033	\$0.0047	7,971,933	(\$37,468)	\$124,565	\$143,299	5.50%	\$657	\$21,018
* 14	Oct-23	\$125,222	\$0.0047	13,604,579	(\$63,942)	\$61,281	\$93,251	5.50%	\$427	\$21,445
15	Total			186,338,561	(\$875,791)				\$21,445	
16				Projected Cumulative Collection	(\$875,791)					
17				Total Approved Collection	\$916,054					
18				(Over)/Under Collection, excluding interest	\$40,263					
19				Cumulative Interest	\$21,445					
20				Total (Over)/Under Collection, including interest	\$61,708					

(a) Prior period Column (e) + Prior period Column (h); 11/1/22 Balance: Schedule 6, Page 2, Col. (e), Line 21 + Col (h), Line 21 + Page 1, Line 4

(b) Schedule 6, Page 1, Line 9

(c) Company forecast

(d) Column (b) * Column (c)

(e) Column (a) + Column (d)

(f) [Column (a) + Column (e)] ÷ 2

(g) Interest rate effective first of the month

(h) Column (f) x [Column (g) ÷ 12]

(i) Column (h) + Prior Month Column (i)

* Projected

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Docket No. DG 20-105 Rate Case Expense
To be Recovered November 2022 – October 2023
As of August 31, 2022

Line No	Service Provider	Expense as of	Post Audit Expense	Total Expense	Description of Service
1	Concentric Energy Advisors	\$ 48,381.75	\$ -	\$ 48,381.75	Review of Decoupling Mechanism
	FTI Consulting	385,965.46		\$ 385,965.46	Revenue Requirement, Rate Design, Marginal Cost of Service , Functional Cost of Service, Decoupling Effects on EE, Cost of Capital
2			0		
3	Keegan Werlin	114,463.50	33,943.00	\$ 148,406.50	Legal Services
4	ScottMadden	34,215.00	-	\$ 34,215.00	Testimony Support
5	Management Applications Consulting	33,245.63	37,996.91	\$ 71,242.54	Review Status of Depreciation Reserve
6	Court Reporter	3,053.00	(1,310.00)	\$ 1,743.00	
7	Customer Notice	46,241.00	-	\$ 46,241.00	
8	Legal Notices	466.50	-	\$ 466.50	
9	Printing Expenes	159.60	-	\$ 159.60	Printing Expenses
10					
11	Subtotal	666,191.44	70,629.91	736,821.35	
12					
13					
14	<u>Staff Consultants</u>				
15	Blue Ridge Consulting	62,402.50	2,250.00	64,652.50	Revenue Requirement
16	J. Randall Woolridge	-	33,800.00	33,800.00	Cost of Capital
17					
18	<u>OCA Consultants</u>				
19	Exeter Associates	12,923.70	-	12,923.70	Cost of Service/Rate Design
20					
21	Subtotal PUC/OCA	75,326.20	36,050.00	111,376.20	
22					
23	Grand Total	\$ 741,517.64	\$ 106,679.91	\$ 848,197.55	Total Estimated Amount
24					
25					
26					

Note: Amounts in "Post Audit Expense" column represent costs for which invoices were received after the completion of the Audit.

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
Residential Gas Assistance Program

	Customer Charge	Block	Total
1 Distribution			
2 R-3 Base Rates	\$ 15.39	\$ 0.5632	
3 R-4 Base Rates at 55% of R-3	\$ 8.47	\$ 0.3098	
4 Program Distribution Subsidy	\$ 6.9260	\$ 0.2534	
5 Normal Winter Therms			621
6 Estimated Winter 2022/2023 Distribution Subsidy	<u>\$ 41.56</u>	<u>\$ 157.32</u>	<u>\$ 198.87</u>
7			
8 Number of Estimated 2022/2023 Participants	6,032	65	6,097 (a)
9 COG	ENNG	Keene	Total
10 R-3 COG Rates	\$ 1.2295	\$ 0.1778	
11 R-4 COG Rates at 55% of R-3	\$ 0.6762	\$ 0.0978	
12 Program COG Subsidy	\$ 0.5533	\$ 0.0800	\$ -
13 Estimated Winter 2022/2023 COG Subsidy (Ln 5 * Ln 14)	<u>\$ 343.44</u>	<u>\$ 49.66</u>	<u>\$ 393.10</u>
14 Winter Distribution Subsidy times Number of Participants (Ln 7 * Ln 9)			\$ 1,212,534
15 Winter COG Subsidy times Number of Participants (Ln 9 * Ln 16)			\$ 2,074,829
16 Prior Year Ending Balance - Gas Assistance Page 2			\$ 483,503
17 Estimated Annual Administrative Costs			-
18 Total Program Costs			<u>\$ 3,770,867</u>
19 Estimated weather normalized firm therms billed for the			
20 Twelve months ended 10/31/22 sales and transportation			<u>186,338,561</u>
21 Total Gas Assistance Program Charge			\$ 0.0202

(a) Estimated number of participants for 2022/2023 is based on the actual number

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
November 2021 through October 2022
Residential Gas Assistance Program Reconciliation
 Account 175.6

	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Actual)	(Estimate)	(Estimate)	(Estimate)	(Estimate)	Total
1 FOR THE MONTH OF:	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	
2 DAYS IN MONTH	30	31	31	28	31	30	31	30	31	31	30	31	
3 Beginning Balance	\$ 318,947	\$ 252,743	\$ 367,814	\$ 472,282	\$ 549,335	\$ 641,439	\$ 773,225	\$ 839,851	\$ 741,214	\$ 675,596	\$ 615,877	\$ 553,678	\$ 318,947
4 Add: Actual Costs	56,232.0	412,301.2	485,497.5	516,893.4	484,054.4	407,554.0	256,657.9	9,968.5	-	-	-	-	2,629,159
5 Less: Collected Revenue	(123,198.4)	(298,085.1)	(382,187.5)	(441,112.0)	(393,591.4)	(277,800.2)	(192,426.4)	(111,199.4)	(68,470.9)	(62,318.6)	(64,477.2)	(72,263.2)	(2,487,130)
6 Add: Administrative and Start Up Costs	-	-	-	-	-	-	-	-	-	-	-	-	-
7 Ending Balance Pre-Interest	\$ 251,980	\$ 366,959	\$ 471,124	\$ 548,063	\$ 639,798	\$ 771,193	\$ 837,457	\$ 738,620	\$ 672,744	\$ 613,277	\$ 551,400	\$ 481,415	\$ 460,975
8 Month's Average Balance	\$ 285,464	\$ 309,851	\$ 419,469	\$ 510,173	\$ 594,567	\$ 706,316	\$ 805,341	\$ 789,235	\$ 706,979	\$ 644,436	\$ 583,638	\$ 517,547	
9 Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.50%	3.50%	4.00%	4.75%	4.75%	4.75%	4.75%	
10 Interest Applied	\$ 763	\$ 855	\$ 1,158	\$ 1,272	\$ 1,641	\$ 2,032	\$ 2,394	\$ 2,595	\$ 2,852	\$ 2,600	\$ 2,279	\$ 2,088	22,528
11 Ending Balance	\$ 252,743	\$ 367,814	\$ 472,282	\$ 549,335	\$ 641,439	\$ 773,225	\$ 839,851	\$ 741,214	\$ 675,596	\$ 615,877	\$ 553,678	\$ 483,503	\$ 483,503

Liberty Utilities (Energy/North Natural Gas) Corp d/b/a Liberty
 Quarterly Report
 Gas Assistance Program (GAP)
 2021-22 Discounted 45%

													Summary		
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Actual/ Projected Total To Date (1)	Original Projection (2)	Variance
Customer Count															
Actual / Projected No. of Customers	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Projected	Projected	Projected	Projected	Average		
LIHEAP	4,186	4,333	4,375	4,427	4,563	4,645	4,693	4,580	4,563	4,563	4,563	4,563	4,422	5,320	899
Non-LIHEAP	1,508	1,422	1,413	1,433	1,423	1,452	1,502	1,497	1,423	1,423	1,423	1,423	1,442	743	(699)
Total	(a) 5,694	5,755	5,788	5,860	5,986	6,097	6,195	6,077	5,986	5,986	5,986	5,986	5,863	6,063	200
GAP Recoveries															
Actual / Projected															
Therm Sales	9,552,677	19,373,741	24,840,510	28,516,452	25,446,880	17,948,293	12,446,101	7,178,867	5,533,972	5,725,074	7,237,234	12,333,426	176,133,228	182,829,872	6,696,644
GAP Rate Per Therm	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	\$0.0156	
Total	(e) \$123,946	\$302,230	\$387,512	\$444,857	\$396,971.33	\$279,993.37	\$194,159.18	\$111,990.33	\$86,329.97	\$89,311.15	\$112,900.86	\$192,401	\$2,722,603	\$2,852,146	\$129,543
Adjustment	\$854	-\$1,110	-\$1,390	\$134	-\$88	-\$14	-\$356	-\$36	\$0	\$0	\$0	\$0	-\$2,005	\$0	
Total Adjusted Recoveries (3)	\$124,800	\$301,121	\$386,122	\$444,991	\$396,883	\$279,980	\$193,804	\$111,955	\$86,330	\$89,311	\$112,901	\$192,401	\$2,720,598	\$2,852,146	\$131,548
Program Costs															
Actual / Projected Costs															
Prior Period Ending Balance	(c) 322,341	0	0	0	0	0	0	0	0	0	0	0	322,341	208,239	(114,101)
IT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Admin.	(b) 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Education	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other (incl. Reporting Costs)	773	871.67	1,185	1,309	1,699	2,109	2,691	0	0	0	0	0	10,638	0	(10,638)
Fixed Discount	7,364	44,048.77	41,747	41,552	46,657	46,145	34,020	1,290	41,459	41,459	41,459	41,459	428,658	221,076	(207,582)
Variable Discount	15,251	133,633.50	175,701	203,060	204,119	154,189	75,833	3,337	18,920	23,371	49,774	107,896	1,165,085	802,374	(362,711)
COG Discount	35,996	241,168.52	276,420	281,311	243,951	213,535	148,748	5,366	14,533	17,951	38,231	82,875	1,600,085	1,617,433	17,349
Total Monthly Costs (3)	(d) \$59,384.53	\$419,722	\$495,052	\$527,231	\$496,427	\$415,978	\$258,601	\$12,684	\$74,912	\$82,781	\$129,464	\$232,230	\$3,204,466	\$2,640,884	(\$563,582)
Avg Monthly Residential Customer Bill	\$ 129.67	\$ 218.05	\$ 241.99	\$ 288.03	\$ 258.56	\$ 184.91	\$ 79.73	\$ 50.71	\$ 35.58	\$ 33.05	\$ 33.05	\$ 41.88	\$1,595.22	\$3,060.78	\$1,465.56
Avg Monthly Residential Low Income Customer Bill	\$ 57.51	\$ 90.04	\$ 92.71	\$ 105.24	\$ 101.93	\$ 80.26	\$ 75.57	\$ 47.72	\$ 33.84	\$ 31.52	\$ 31.99	\$ 40.81	\$789.13	\$274.01	(\$515.12)
Avg Monthly GAP Customer Discount	\$72.16	\$128.02	\$149.28	\$182.78	\$156.64	\$104.65	\$4.16	\$3.00	\$1.74	\$1.53	\$1.07	\$1.08	\$806.10	\$2,786.77	\$1,980.67
Avg Monthly GAP Customer Discount as a % to Avg Monthly Residential Customer Bill	55.65%	58.71%	61.69%	63.46%	60.58%	56.59%	5.22%	5.91%	4.89%	4.63%	3.23%	2.57%	50.53%	91.05%	
Gross Monthly Revenues	\$9,747,498	\$26,119,602	\$30,570,568	\$31,130,776	\$27,291,640	\$22,365,746	\$15,576,461	\$7,847,069	\$4,997,762	\$6,467,910	\$5,113,368	\$8,930,712	\$196,159,110	\$161,677,049	(\$34,482,061)
Total Costs as a percent of Gross Monthly Revenues	0.61%	1.61%	1.62%	1.69%	1.82%	1.86%	1.66%	0.16%	1.50%	1.28%	2.53%	2.60%	1.63%	1.63%	

(1) This column represents actual data for the months in which such data is available plus projected data for the remaining months in the 12-month program year.
 (2) GAP Projection on Bates 135 of the 2021-22 Cost of Gas Filing, DG 21-130.
 (3) Ties to the Company's GAP deferral accounts 8840-2-0000-10-1169-1756 & 8843-2-0000-10-1169-1756.

(a) The actual number of customers provided for this report are the number of registered customers that were billed during the month.
 (b) Actual administrative costs consists of bill inserts and advertising.
 (c) The Prior Year 2020-21 under/(over) ending balance.
 (d) The total discount is calculated from the actual Residential Low Income R-4 & R-7 bills for the month plus interest.
 (e) The Total GAP recoveries for Nov-21 has an estimated volume split between Peak and Off Peak of 25/75 respectively.

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
 LDAC 2022-2023 Filing
 LDAC Bill Comparisons, Proposed LDAC Rates November 1, 2022 – October 31, 2023 vs. Current LDAC Rates

1 Proposed LDAC Rates November 1, 2022 – October 31, 2023								
2 Residential Customers (Rate Codes R-3)								
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr	
	45	92	117	148	130	88	621	
3								
4								
5	Typical Usage (Therms)							
6	Energy Efficiency	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	
7	Energy Efficiency Amount	\$ 2.87	\$ 5.91	\$ 7.50	\$ 9.47	\$ 8.35	\$ 5.62	
8	Gas Holder	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	
9	Gas Holder Amount	\$ 0.02	\$ 0.03	\$ 0.04	\$ 0.06	\$ 0.05	\$ 0.03	
10	MGP	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	
11	MGP Amount	\$ 0.3326	\$ 0.6858	\$ 0.8697	\$ 1.0982	\$ 0.9677	\$ 0.6519	
12	Environmental	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	
13	Total Environmental	\$ 0.35	\$ 0.72	\$ 0.91	\$ 1.15	\$ 1.02	\$ 0.68	
14	RDAF	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	
15	RDAF amount	\$ 1.83	\$ 3.78	\$ 4.79	\$ 6.05	\$ 5.33	\$ 3.59	
16	PTAM	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	
17	PTAM amount	\$ 0.58	\$ 1.19	\$ 1.51	\$ 1.90	\$ 1.68	\$ 1.13	
18	RCE	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	
19	RCE Amount	\$ 0.22	\$ 0.46	\$ 0.59	\$ 0.74	\$ 0.65	\$ 0.44	
20	GAP	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	
21	GAP Amount	\$ 0.91	\$ 1.87	\$ 2.37	\$ 2.99	\$ 2.63	\$ 1.77	
22	LDAC	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	
23	LDAC Amount	\$ 6.76	\$ 13.93	\$ 17.67	\$ 22.31	\$ 19.66	\$ 13.25	

	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
	55	24	15	14	13	19	141	762
	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640
	\$ 3.52	\$ 1.54	\$ 0.99	\$ 0.90	\$ 0.86	\$ 1.21	\$ 9.01	\$ 48.74
	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004
	\$ 0.02	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.05	\$ 0.28
	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074
	\$ 0.4076	\$ 0.1787	\$ 0.1146	\$ 0.1041	\$ 0.0995	\$ 0.1405	\$ 1.04	\$ 5.65
	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078
	\$ 0.43	\$ 0.19	\$ 0.12	\$ 0.11	\$ 0.10	\$ 0.15	\$ 1.10	\$ 5.94
	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409	\$ 0.0409
	\$ 2.25	\$ 0.98	\$ 0.63	\$ 0.57	\$ 0.55	\$ 0.77	\$ 5.76	\$ 31.15
	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129
	\$ 0.71	\$ 0.31	\$ 0.20	\$ 0.18	\$ 0.17	\$ 0.24	\$ 1.81	\$ 9.80
	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050
	\$ 0.27	\$ 0.12	\$ 0.08	\$ 0.07	\$ 0.07	\$ 0.09	\$ 0.70	\$ 3.81
	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202
	\$ 1.11	\$ 0.49	\$ 0.31	\$ 0.28	\$ 0.27	\$ 0.38	\$ 2.84	\$ 15.38
	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508	\$ 0.1508
	\$ 8.28	\$ 3.63	\$ 2.33	\$ 2.12	\$ 2.02	\$ 2.85	\$ 21.23	\$ 114.82

24 Current LDAC Rates								
25 Residential Customers (Rate Codes R-3)								
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr	
	45	92	117	148	130	88	621	
26								
27	Typical Usage (Therms)							
28	Energy Efficiency	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	
29	Energy Efficiency Amount	\$ 2.87	\$ 5.91	\$ 4.99	\$ 4.99	\$ 4.99	\$ 4.99	
30	Gas Holder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
31	Gas Holder Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
32	MGP	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	
33	MGP Amount	\$ 0.6926	\$ 1.4279	\$ 1.2045	\$ 1.2045	\$ 1.2045	\$ 1.2045	
34	Environmental	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	
35	Total Environmental	\$ 0.69	\$ 1.43	\$ 1.20	\$ 1.20	\$ 1.20	\$ 1.20	
36	RDAF	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	
37	RDAF amount	\$ 0.68	\$ 1.40	\$ 1.18	\$ 1.18	\$ 1.18	\$ 1.18	
38	PTAM	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	
39	PTAM amount	\$ 0.64	\$ 1.31	\$ 1.11	\$ 1.11	\$ 1.11	\$ 1.11	
40	RCE	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	
41	RCE Amount	\$ 0.33	\$ 0.68	\$ 0.58	\$ 0.58	\$ 0.58	\$ 0.58	
42	GAP	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	
43	GAP Amount	\$ 0.70	\$ 1.44	\$ 1.22	\$ 1.22	\$ 1.22	\$ 1.22	
44	Total LDAC	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	
45	Total LDAC Amount	\$ 5.91	\$ 12.18	\$ 15.45	\$ 19.51	\$ 17.19	\$ 11.58	

	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
	55	24	15	14	13	19	141	762
	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640	\$ 0.0640
	\$ 3.51	\$ 1.54	\$ 0.99	\$ 0.90	\$ 0.86	\$ 1.21	\$ 9.01	\$ 37.72
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155
	\$ 0.8487	\$ 0.3720	\$ 0.2387	\$ 0.2168	\$ 0.2071	\$ 0.2925	\$ 2.18	\$ 9.11
	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155
	\$ 0.85	\$ 0.37	\$ 0.24	\$ 0.22	\$ 0.21	\$ 0.29	\$ 2.18	\$ 9.11
	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152	\$ 0.0152
	\$ 0.83	\$ 0.37	\$ 0.23	\$ 0.21	\$ 0.20	\$ 0.29	\$ 2.14	\$ 8.97
	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142
	\$ 0.78	\$ 0.34	\$ 0.22	\$ 0.20	\$ 0.19	\$ 0.27	\$ 2.00	\$ 8.38
	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074
	\$ 0.41	\$ 0.18	\$ 0.11	\$ 0.10	\$ 0.10	\$ 0.14	\$ 1.04	\$ 4.37
	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156
	\$ 0.86	\$ 0.38	\$ 0.24	\$ 0.22	\$ 0.21	\$ 0.30	\$ 2.20	\$ 9.20
	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318	\$ 0.1318
	\$ 7.24	\$ 3.17	\$ 2.04	\$ 1.85	\$ 1.77	\$ 2.50	\$ 18.56	\$ 100.37

46 LDAC Bill Impact : Residential Customers (Rate Codes R-3)								
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr	
47								
48								
49	Energy Efficiency	\$ (0.00)	\$ (0.00)	\$ (2.52)	\$ (4.49)	\$ (3.36)	\$ (0.64)	
50	Energy Efficiency Amount	-0.1%	-0.1%	-50.5%	-90.0%	-67.4%	-12.8%	
51	Environmental	\$ 1.04	\$ 2.15	\$ 2.12	\$ 2.36	\$ 2.22	\$ 1.89	
52	Total Environmental	150.4%	150.4%	175.8%	195.8%	184.4%	156.8%	
53	RDAF	\$ 0.36	\$ 0.74	\$ 0.33	\$ 0.11	\$ 0.24	\$ 0.55	
54	RDAF amount	52.8%	52.8%	28.3%	9.0%	20.0%	46.6%	
55	PTAM	\$ 0.34	\$ 0.71	\$ 0.29	\$ 0.05	\$ 0.19	\$ 0.52	
56	PTAM amount	53.9%	53.9%	26.3%	4.6%	17.0%	47.0%	
57	RCE	\$ (1.15)	\$ (2.38)	\$ (3.61)	\$ (4.87)	\$ (4.15)	\$ (2.41)	
58	RCE Amount	-347.3%	-347.3%	-625.5%	-843.9%	-719.2%	-417.5%	
59	GAP	\$ 0.06	\$ 0.12	\$ (0.40)	\$ (0.80)	\$ (0.57)	\$ (0.02)	
60	GAP Amount	1.0%	1.0%	-2.6%	-4.1%	-3.3%	-0.2%	
61	Total LDAC	\$ 0.85	\$ 1.75	\$ 2.22	\$ 2.81	\$ 2.47	\$ 1.67	
62	Total LDAC Amount	14.4%	14.4%	14.4%	14.4%	14.4%	14.4%	

	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
	\$ (0.00)	\$ (0.00)	\$ (0.00)	\$ (0.00)	\$ (0.00)	\$ (0.00)	\$ (0.00)	\$ (11.02)
	-0.1%	0%	0%	0%	0%	0%	0%	(0.29)
	\$ 1.28	\$ 0.56	\$ 0.36	\$ 0.33	\$ 0.31	\$ 0.44	\$ 3.27	\$ 15.05
	150.4%	150.4%	150.4%	150.4%	150.4%	150.4%	150.4%	165.1%
	\$ 0.44	\$ 0.19	\$ 0.12	\$ 0.11	\$ 0.11	\$ 0.15	\$ 1.13	\$ 3.46
	52.8%	52.8%	52.8%	52.8%	52.8%	52.8%	52.8%	38.6%
	\$ 0.42	\$ 0.18	\$ 0.12	\$ 0.11	\$ 0.10	\$ 0.14	\$ 1.08	\$ 3.18
	53.9%	53.9%	53.9%	53.9%	53.9%	53.9%	53.9%	38.0%
	\$ (1.41)	\$ (0.62)	\$ (0.40)	\$ (0.36)	\$ (0.34)	\$ (0.49)	\$ (3.62)	\$ (22.18)
	-347.3%	-347.3%	-347.3%	-347.3%	-347.3%	-347.3%	-347.3%	-508.1%
	\$ 0.07	\$ 0.03	\$ 0.02	\$ 0.02	\$ 0.02	\$ 0.03	\$ 0.19	\$ (1.43)
	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	-1.4%
	\$ 1.04	\$ 0.46	\$ 0.29	\$ 0.27	\$ 0.25	\$ 0.36	\$ 2.67	\$ 14.44
	14.4%	14.4%	14.4%	14.4%	14.4%	14.4%	14.4%	14.4%

LDAC Bill Comparisons, Proposed LDAC Rates November 1, 2022 – October 31, 2023 vs. Current LDAC Rates

1 Proposed LDAC Rates November 1, 2022 – October 31, 2023							
2 Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-41)							
3	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr
4	111	274	376	483	425	270	1,939
5 Typical Usage (Therms)							
6 Energy Efficiency	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426
7 Energy Efficiency Amount	\$ 4.75	\$ 11.67	\$ 16.01	\$ 20.59	\$ 18.08	\$ 11.50	\$ 82.60
8 Gas Holder	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004
9 Gas Holder Amount	\$ 0.04	\$ 0.10	\$ 0.14	\$ 0.18	\$ 0.16	\$ 0.10	\$ 0.72
10 MGP	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074
11 MGP Amount	\$ 0.63	\$ 2.0326	\$ 2.7880	\$ 3.5872	\$ 3.1499	\$ 2.0030	\$ 14.39
12 Environmental	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078
13 Total Environmental	\$ 0.87	\$ 2.13	\$ 2.93	\$ 3.77	\$ 3.31	\$ 2.10	\$ 15.11
14 RDAF	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030
15 RDAF amount	\$ 0.33	\$ 0.82	\$ 1.13	\$ 1.45	\$ 1.27	\$ 0.81	\$ 5.62
16 PTAM	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129
17 PTAM amount	\$ 1.43	\$ 3.53	\$ 4.84	\$ 6.22	\$ 5.46	\$ 3.47	\$ 24.96
18 RCE	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050
19 RCE Amount	\$ 0.56	\$ 1.37	\$ 1.88	\$ 2.42	\$ 2.12	\$ 1.35	\$ 9.69
20 GAP	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202
21 GAP Amount	\$ 2.25	\$ 5.53	\$ 7.59	\$ 9.77	\$ 8.57	\$ 5.45	\$ 39.17
22 LDAC	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915
23 LDAC Amount	\$ 10.19	\$ 25.06	\$ 34.37	\$ 44.22	\$ 38.83	\$ 24.69	\$ 177.35

May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
154	55	24	21	13	44	310	2,249
\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426
\$ 6.56	\$ 2.33	\$ 1.04	\$ 0.87	\$ 0.55	\$ 1.86	\$ 13.21	\$ 95.81
\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004
\$ 0.06	\$ 0.02	\$ 0.01	\$ 0.01	\$ 0.00	\$ 0.02	\$ 0.12	\$ 0.84
\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074
\$ 1.1426	\$ 0.4065	\$ 0.1804	\$ 0.1522	\$ 0.0955	\$ 0.3240	\$ 2.30	\$ 16.69
\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078
\$ 1.20	\$ 0.43	\$ 0.19	\$ 0.16	\$ 0.10	\$ 0.34	\$ 2.42	\$ 17.53
\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030
\$ 0.46	\$ 0.16	\$ 0.07	\$ 0.06	\$ 0.04	\$ 0.13	\$ 0.93	\$ 6.75
\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129
\$ 1.98	\$ 0.71	\$ 0.31	\$ 0.26	\$ 0.17	\$ 0.56	\$ 3.99	\$ 28.95
\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050
\$ 0.77	\$ 0.27	\$ 0.12	\$ 0.10	\$ 0.06	\$ 0.22	\$ 1.55	\$ 11.25
\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202
\$ 3.11	\$ 1.11	\$ 0.49	\$ 0.41	\$ 0.26	\$ 0.88	\$ 6.26	\$ 45.43
\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915
\$ 14.08	\$ 5.01	\$ 2.22	\$ 1.88	\$ 1.18	\$ 3.99	\$ 28.37	\$ 205.71

24 Current LDAC Rates November 1, 2022 – October 31, 2023							
25 Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-41)							
26	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr
27	111	274	376	483	425	270	1,939
28 Typical Usage (Therms)							
29 Energy Efficiency	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426
30 Energy Efficiency Amount	\$ 4.74	\$ 11.66	\$ 15.99	\$ 20.57	\$ 18.06	\$ 11.49	\$ 82.50
31 Gas Holder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32 Gas Holder Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33 MGP	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155
34 MGP Amount	\$ 1.7218	\$ 4.2323	\$ 5.8051	\$ 7.4690	\$ 6.5866	\$ 4.1705	\$ 29.96
35 Environmental	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155
36 Total Environmental	\$ 1.72	\$ 4.23	\$ 5.81	\$ 7.47	\$ 6.56	\$ 4.17	\$ 29.96
37 RDAF	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039
38 RDAF amount	\$ 0.43	\$ 1.07	\$ 1.47	\$ 1.89	\$ 1.66	\$ 1.05	\$ 7.56
39 PTAM	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142
40 PTAM amount	\$ 1.58	\$ 3.89	\$ 5.34	\$ 6.86	\$ 6.03	\$ 3.83	\$ 27.53
41 RCE	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074
42 RCE Amount	\$ 0.82	\$ 2.03	\$ 2.78	\$ 3.58	\$ 3.14	\$ 2.00	\$ 14.35
43 GAP	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156
44 GAP Amount	\$ 1.74	\$ 4.27	\$ 5.86	\$ 7.54	\$ 6.62	\$ 4.21	\$ 30.25
45 Total LDAC	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991
46 Total LDAC Amount	\$ 11.04	\$ 27.15	\$ 37.24	\$ 47.91	\$ 42.07	\$ 26.75	\$ 192.15

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
154	55	24	21	13	44	310	2,249
\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426
\$ 6.55	\$ 2.33	\$ 1.03	\$ 0.87	\$ 0.55	\$ 1.86	\$ 13.20	\$ 95.70
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155
\$ 2.3791	\$ 0.8465	\$ 0.3755	\$ 0.3169	\$ 0.1988	\$ 0.6745	\$ 4.79	\$ 34.75
\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155
\$ 2.38	\$ 0.85	\$ 0.38	\$ 0.32	\$ 0.20	\$ 0.67	\$ 4.79	\$ 34.75
\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039
\$ 0.60	\$ 0.21	\$ 0.09	\$ 0.08	\$ 0.05	\$ 0.17	\$ 1.21	\$ 8.77
\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142
\$ 2.19	\$ 0.78	\$ 0.35	\$ 0.29	\$ 0.18	\$ 0.62	\$ 4.40	\$ 31.94
\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074
\$ 1.14	\$ 0.41	\$ 0.18	\$ 0.15	\$ 0.10	\$ 0.32	\$ 2.29	\$ 16.64
\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156
\$ 2.40	\$ 0.85	\$ 0.38	\$ 0.32	\$ 0.20	\$ 0.68	\$ 4.84	\$ 35.09
\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991
\$ 15.26	\$ 5.43	\$ 2.41	\$ 2.03	\$ 1.28	\$ 4.33	\$ 30.73	\$ 222.89

47 LDAC Bill Impact : Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-41)							
48	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr
49	111	274	376	483	425	270	1,939
50 Energy Efficiency Amount	\$ 4.74	\$ 11.66	\$ 15.99	\$ 20.57	\$ 18.06	\$ 11.49	\$ 82.50
51 Energy Efficiency %	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
52 Environmental Amount	\$ (0.85)	\$ (2.10)	\$ (2.88)	\$ (3.70)	\$ (3.25)	\$ (2.07)	\$ (14.85)
53 Environmental %	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%
54 RDAF amount	\$ (0.10)	\$ (0.25)	\$ (0.34)	\$ (0.44)	\$ (0.38)	\$ (0.24)	\$ (1.75)
55 RDAF %	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%
56 PTAM amount	\$ (0.15)	\$ (0.36)	\$ (0.50)	\$ (0.64)	\$ (0.56)	\$ (0.36)	\$ (2.58)
57 PTAM %	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%
58 RCE Amount	\$ (0.27)	\$ (0.66)	\$ (0.90)	\$ (1.16)	\$ (1.02)	\$ (0.65)	\$ (4.65)
59 RCE %	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%
60 GAP Amount	\$ 0.51	\$ 1.26	\$ 1.73	\$ 2.22	\$ 1.95	\$ 1.24	\$ 8.92
61 GAP %	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%
62 Total LDAC Amount	\$ (0.85)	\$ (2.09)	\$ (2.87)	\$ (3.69)	\$ (3.24)	\$ (2.06)	\$ (14.81)
63 Total LDAC %	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
154	55	24	21	13	44	310	2,249
\$ 6.55	\$ 2.33	\$ 1.03	\$ 0.87	\$ 0.55	\$ 1.86	\$ 13.20	\$ 95.70
100.0%	100%	100%	100%	100%	100%	1.00	1.00
\$ (1.18)	\$ (0.42)	\$ (0.19)	\$ (0.16)	\$ (0.10)	\$ (0.33)	\$ (2.37)	\$ (17.22)
-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%
\$ (0.14)	\$ (0.05)	\$ (0.02)	\$ (0.02)	\$ (0.01)	\$ (0.04)	\$ (0.28)	\$ (2.02)
-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%
\$ (0.20)	\$ (0.07)	\$ (0.03)	\$ (0.03)	\$ (0.02)	\$ (0.06)	\$ (0.41)	\$ (2.99)
-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%
\$ (0.37)	\$ (0.13)	\$ (0.06)	\$ (0.05)	\$ (0.03)	\$ (0.10)	\$ (0.74)	\$ (5.40)
-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%
\$ 0.71	\$ 0.25	\$ 0.11	\$ 0.09	\$ 0.06	\$ 0.20	\$ 1.43	\$ 10.35
29.5%	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%
\$ (1.18)	\$ (0.42)	\$ (0.19)	\$ (0.16)	\$ (0.10)	\$ (0.33)	\$ (2.37)	\$ (17.17)
-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
 LDAC 2022-2023 Filing
 LDAC Bill Comparisons, Proposed LDAC Rates November 1, 2022 – October 31, 2023 vs. Current LDAC Rates

1 Proposed LDAC Rates November 1, 2022 – October 31, 2023							
2 Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-42)							
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr
3							
4							
5	1,369	2,729	3,456	4,165	3,658	2,463	
6	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 759.94
7	\$ 58.31	\$ 116.24	\$ 147.23	\$ 177.41	\$ 155.81	\$ 104.94	
8	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	
9	\$ 0.51	\$ 1.02	\$ 1.29	\$ 1.55	\$ 1.36	\$ 0.92	\$ 6.65
10	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	
11	\$ 10.16	\$ 20.2472	\$ 25.6444	\$ 30.9017	\$ 27.1404	\$ 18.2761	\$ 132.37
12	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	
13	\$ 10.67	\$ 21.27	\$ 26.93	\$ 32.46	\$ 28.50	\$ 19.20	\$ 139.02
14	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	
15	\$ 4.11	\$ 8.19	\$ 10.37	\$ 12.49	\$ 10.97	\$ 7.59	\$ 53.52
16	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	
17	\$ 17.62	\$ 35.12	\$ 44.48	\$ 53.60	\$ 47.08	\$ 31.71	\$ 229.61
18	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	
19	\$ 6.84	\$ 13.64	\$ 17.28	\$ 20.82	\$ 18.29	\$ 12.32	\$ 89.19
20	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	
21	\$ 27.65	\$ 55.12	\$ 69.81	\$ 84.12	\$ 73.88	\$ 49.76	\$ 360.35
22	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	
23	\$ 125.20	\$ 249.57	\$ 316.10	\$ 380.91	\$ 334.54	\$ 225.30	\$ 1,631.63

	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
	1,201	1,412	257	100	(1,437)	978	2,510	20,349
	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 106.91	\$ 866.85
	\$ 51.15	\$ 60.15	\$ 10.93	\$ 4.24	\$ (61.23)	\$ 41.66		
	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.94	\$ 7.59
	\$ 0.45	\$ 0.53	\$ 0.10	\$ 0.04	\$ (0.54)	\$ 0.36		
	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 18.62	\$ 150.99
	\$ 8.9103	\$ 10.4776	\$ 1.9034	\$ 0.7389	\$ (10.6648)	\$ 7.2571		
	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 19.56	\$ 158.58
	\$ 9.36	\$ 11.00	\$ 2.00	\$ 0.78	\$ (11.20)	\$ 7.62		
	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 7.53	\$ 61.05
	\$ 3.60	\$ 4.24	\$ 0.77	\$ 0.30	\$ (4.31)	\$ 2.93		
	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 32.30	\$ 261.91
	\$ 15.46	\$ 18.17	\$ 3.30	\$ 1.28	\$ (18.50)	\$ 12.59		
	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 12.55	\$ 101.74
	\$ 6.00	\$ 7.06	\$ 1.28	\$ 0.50	\$ (7.19)	\$ 4.89		
	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 50.70	\$ 411.04
	\$ 24.26	\$ 28.52	\$ 5.18	\$ 2.01	\$ (29.03)	\$ 19.76		
	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 229.55	\$ 1,861.18
	\$ 109.83	\$ 129.15	\$ 23.46	\$ 9.11	\$ (131.46)	\$ 89.45		

24 Current LDAC Rates November 1, 2022 – October 31, 2023							
25 Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-42)							
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr
26							
27	1,369	2,729	3,456	4,165	3,658	2,463	17,839
28	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 759.05
29	\$ 58.25	\$ 116.10	\$ 147.05	\$ 177.20	\$ 155.63	\$ 104.81	
30	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
31	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
32	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 275.61
33	\$ 21.1490	\$ 42.1576	\$ 53.3954	\$ 64.3419	\$ 56.5103	\$ 38.0577	
34	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	
35	\$ 21.15	\$ 42.16	\$ 53.40	\$ 64.34	\$ 56.51	\$ 38.06	\$ 275.61
36	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	
37	\$ 5.34	\$ 10.64	\$ 13.48	\$ 16.24	\$ 14.26	\$ 9.61	\$ 69.57
38	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	
39	\$ 19.44	\$ 38.75	\$ 49.08	\$ 59.14	\$ 51.94	\$ 34.98	\$ 253.31
40	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	
41	\$ 10.13	\$ 20.19	\$ 25.57	\$ 30.82	\$ 27.07	\$ 18.23	\$ 132.01
42	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	
43	\$ 21.35	\$ 42.57	\$ 53.91	\$ 64.97	\$ 57.06	\$ 38.43	\$ 278.29
44	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	
45	\$ 135.65	\$ 270.41	\$ 342.49	\$ 412.70	\$ 362.47	\$ 244.11	\$ 1,767.84

	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
	1,201	1,412	257	100	(1,437)	978	2,510	20,349
	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 106.79	\$ 865.84
	\$ 51.09	\$ 60.08	\$ 10.91	\$ 4.24	\$ (61.16)	\$ 41.61		
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 38.77	\$ 314.39
	\$ 18.5526	\$ 21.8159	\$ 3.9632	\$ 1.5385	\$ (22.2058)	\$ 15.1103		
	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 38.77	\$ 314.39
	\$ 18.55	\$ 21.82	\$ 3.96	\$ 1.54	\$ (22.21)	\$ 15.11		
	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 9.79	\$ 79.36
	\$ 4.68	\$ 5.51	\$ 1.00	\$ 0.39	\$ (5.61)	\$ 3.81		
	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 35.64	\$ 288.95
	\$ 17.05	\$ 20.05	\$ 3.64	\$ 1.41	\$ (20.41)	\$ 13.89		
	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 18.57	\$ 150.58
	\$ 8.89	\$ 10.45	\$ 1.90	\$ 0.74	\$ (10.64)	\$ 7.24		
	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 39.15	\$ 317.44
	\$ 18.73	\$ 22.03	\$ 4.00	\$ 1.55	\$ (22.42)	\$ 15.26		
	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 248.71	\$ 2,016.55
	\$ 119.00	\$ 139.93	\$ 25.42	\$ 9.87	\$ (142.43)	\$ 96.92		

46 LDAC Bill Impact : Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-42)							
	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr
47							
48							
49	\$ 0.07	\$ 0.1364	\$ 0.1728	\$ 0.2082	\$ 0.1829	\$ 0.1232	\$ 0.8919
50	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
51	\$ (10.48)	\$ (20.8925)	\$ (26.4618)	\$ (31.8866)	\$ (28.0055)	\$ (18.8607)	\$ (136.5882)
52	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%
53	\$ (1.23)	\$ (2.4558)	\$ (3.1104)	\$ (3.7481)	\$ (3.2919)	\$ (2.2170)	\$ (16.0551)
54	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%
55	\$ (1.82)	\$ (3.6259)	\$ (4.5924)	\$ (5.5339)	\$ (4.8603)	\$ (3.2732)	\$ (23.7046)
56	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%
57	\$ (3.29)	\$ (6.5488)	\$ (8.2944)	\$ (9.9949)	\$ (8.7783)	\$ (5.9119)	\$ (42.8135)
58	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%
59	\$ 6.30	\$ 12.5518	\$ 15.8977	\$ 19.1568	\$ 16.8251	\$ 11.3311	\$ 82.0592
60	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%
61	\$ (10.45)	\$ (20.83)	\$ (26.39)	\$ (31.80)	\$ (27.93)	\$ (18.81)	\$ (136.21)
62	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%

	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
	\$ 0.0600	\$ 0.0706	\$ 0.0128	\$ 0.0050	\$ (0.0719)	\$ 0.0489	\$ 0.1255	\$ 1.0174
	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
	\$ (9.1943)	\$ (10.8116)	\$ (1.9641)	\$ (0.7625)	\$ 11.0048	\$ (7.4884)	\$ (19.2160)	\$ (155.8042)
	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%	-49.6%
	\$ (1.0807)	\$ (1.2708)	\$ (0.2309)	\$ (0.0896)	\$ 1.2935	\$ (0.8802)	\$ (2.2587)	\$ (18.3138)
	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%	-23.1%
	\$ (1.5957)	\$ (1.8763)	\$ (0.3409)	\$ (0.1323)	\$ 1.9099	\$ (1.2996)	\$ (3.3349)	\$ (27.0395)
	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%	-9.4%
	\$ (2.8820)	\$ (3.3889)	\$ (0.6156)	\$ (0.2390)	\$ 3.4494	\$ (2.3472)	\$ (6.0233)	\$ (48.8368)
	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%	-32.4%
	\$ 5.5237	\$ 6.4953	\$ 1.1800	\$ 0.4581	\$ (6.6114)	\$ 4.4989	\$ 11.5446	\$ 93.6038
	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%	29.5%
	\$ (9.17)	\$ (10.78)	\$ (1.96)	\$ (0.76)	\$ 10.97	\$ (7.47)	\$ (19.16)	\$ (155.37)
	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%	-7.7%

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty
LDAC 2022-2023 Filing
LDAC Bill Comparisons, Proposed LDAC Rates November 1, 2022 – October 31, 2023 vs. Current LDAC Rates

2 Proposed LDAC Rates November 1, 2022 – October 31, 2023							
3 Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-52)							
4	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr
5 Typical Usage (Therms)	1,340	1,718	1,891	2,207	1,964	1,672	10,793
6 Energy Efficiency	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 459.79
7 Energy Efficiency Amount	\$ 57.08	\$ 73.21	\$ 80.57	\$ 94.02	\$ 83.67	\$ 71.24	\$ 459.79
8 Gas Holder	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 4.03
9 Gas Holder Amount	\$ 0.50	\$ 0.64	\$ 0.71	\$ 0.82	\$ 0.73	\$ 0.62	\$ 4.03
10 MGP	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 80.09
11 MGP Amount	\$ 9.94	\$ 12.7512	\$ 14.0343	\$ 16.3769	\$ 14.5737	\$ 12.4084	\$ 80.09
12 Environmental	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 84.11
13 Total Environmental	\$ 10.44	\$ 13.39	\$ 14.74	\$ 17.20	\$ 15.31	\$ 13.03	\$ 84.11
14 RDAF	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 32.38
15 RDAF amount	\$ 4.02	\$ 5.16	\$ 5.67	\$ 6.62	\$ 5.89	\$ 5.02	\$ 32.38
16 PTAM	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 138.92
17 PTAM amount	\$ 17.25	\$ 22.12	\$ 24.34	\$ 28.41	\$ 25.28	\$ 21.52	\$ 138.92
18 RCE	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 53.97
19 RCE Amount	\$ 6.70	\$ 8.59	\$ 9.46	\$ 11.04	\$ 9.82	\$ 8.36	\$ 53.97
20 GAP	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 218.02
21 GAP Amount	\$ 27.07	\$ 34.71	\$ 38.21	\$ 44.58	\$ 39.67	\$ 33.78	\$ 218.02
22 LDAC	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 987.18
23 LDAC Amount	\$ 122.56	\$ 157.18	\$ 172.99	\$ 201.87	\$ 179.64	\$ 152.95	\$ 987.18

May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
1,339	1,123	1,070	1,088	8,875	1,097	14,592	25,385
\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 621.62	\$ 1,081.41
\$ 57.05	\$ 47.82	\$ 45.60	\$ 46.34	\$ 378.09	\$ 46.71	\$ 5.44	\$ 9.47
\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 0.0004	\$ 108.28	\$ 188.36
\$ 0.50	\$ 0.42	\$ 0.40	\$ 0.41	\$ 3.31	\$ 0.41	\$ 8.55	\$ 113.72
\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 43.78	\$ 76.16
\$ 9.9378	\$ 8.3301	\$ 7.9425	\$ 8.0725	\$ 65.8569	\$ 8.1365	\$ 187.82	\$ 326.74
\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 0.0078	\$ 72.96	\$ 126.93
\$ 10.44	\$ 8.75	\$ 8.34	\$ 8.48	\$ 69.17	\$ 8.55	\$ 294.76	\$ 512.78
\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 0.0030	\$ 1,334.66	\$ 2,321.84
\$ 4.02	\$ 3.37	\$ 3.21	\$ 3.26	\$ 26.63	\$ 3.29		
\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129	\$ 0.0129		
\$ 17.24	\$ 14.45	\$ 13.78	\$ 14.00	\$ 114.24	\$ 14.11		
\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050	\$ 0.0050		
\$ 6.70	\$ 5.61	\$ 5.35	\$ 5.44	\$ 44.38	\$ 5.48		
\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202	\$ 0.0202		
\$ 27.05	\$ 22.68	\$ 21.62	\$ 21.98	\$ 179.28	\$ 22.15		
\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915	\$ 0.0915		
\$ 122.50	\$ 102.68	\$ 97.90	\$ 99.50	\$ 811.78	\$ 100.29		

24 Current LDAC Rates November 1, 2022 – October 31, 2023							
25 Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-52)							
26	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter Nov-Apr
27 Typical Usage (Therms)	1,340	1,718	1,891	2,207	1,964	1,672	10,793
29 Energy Efficiency	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 459.25
30 Energy Efficiency Amount	\$ 57.01	\$ 73.12	\$ 80.48	\$ 93.91	\$ 83.57	\$ 71.15	\$ 459.25
31 Gas Holder	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
32 Gas Holder Amount	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
33 MGP	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 166.75
34 MGP Amount	\$ 20.7021	\$ 26.5499	\$ 29.2214	\$ 34.0991	\$ 30.3446	\$ 25.8360	\$ 166.75
35 Environmental	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 166.75
36 Total Environmental	\$ 20.70	\$ 26.55	\$ 29.22	\$ 34.10	\$ 30.34	\$ 25.84	\$ 166.75
37 RDAF	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 42.09
38 RDAF amount	\$ 5.23	\$ 6.70	\$ 7.38	\$ 8.61	\$ 7.66	\$ 6.52	\$ 42.09
39 PTAM	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 153.26
40 PTAM amount	\$ 19.03	\$ 24.40	\$ 26.86	\$ 31.34	\$ 27.89	\$ 23.75	\$ 153.26
41 RCE	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 79.87
42 RCE Amount	\$ 9.92	\$ 12.72	\$ 14.00	\$ 16.33	\$ 14.53	\$ 12.37	\$ 79.87
43 GAP	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 168.37
44 GAP Amount	\$ 20.90	\$ 26.81	\$ 29.51	\$ 34.43	\$ 30.64	\$ 26.09	\$ 168.37
45 Total LDAC	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 1,069.59
46 Total LDAC Amount	\$ 132.79	\$ 170.30	\$ 187.43	\$ 218.72	\$ 194.64	\$ 165.72	\$ 1,069.59

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Summer May-Oct	Total Nov-Oct
1,339	1,123	1,070	1,088	8,875	1,097	14,592	25,385
\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 0.0426	\$ 620.89	\$ 1,080.14
\$ 56.99	\$ 47.77	\$ 45.55	\$ 46.29	\$ 377.65	\$ 46.66	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 225.45	\$ 392.20
\$ 20.6919	\$ 17.3444	\$ 16.5376	\$ 16.8081	\$ 137.1240	\$ 16.9415	\$ 225.45	\$ 392.20
\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 0.0155	\$ 225.45	\$ 392.20
\$ 20.69	\$ 17.34	\$ 16.54	\$ 16.81	\$ 137.12	\$ 16.94	\$ 225.45	\$ 392.20
\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 0.0039	\$ 56.91	\$ 99.00
\$ 5.22	\$ 4.38	\$ 4.17	\$ 4.24	\$ 34.61	\$ 4.28	\$ 56.91	\$ 99.00
\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 0.0142	\$ 207.21	\$ 360.47
\$ 19.02	\$ 15.94	\$ 15.20	\$ 15.45	\$ 126.03	\$ 15.57	\$ 207.21	\$ 360.47
\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 0.0074	\$ 107.98	\$ 187.85
\$ 9.91	\$ 8.31	\$ 7.92	\$ 8.05	\$ 65.68	\$ 8.11	\$ 107.98	\$ 187.85
\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 0.0156	\$ 227.64	\$ 396.01
\$ 20.89	\$ 17.51	\$ 16.70	\$ 16.97	\$ 138.46	\$ 17.11	\$ 227.64	\$ 396.01
\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 0.0991	\$ 1,446.07	\$ 2,515.67
\$ 132.72	\$ 111.25	\$ 106.08	\$ 107.81	\$ 879.55	\$ 108.67	\$ 1,446.07	\$ 2,515.67

47 LDAC Bill Impact : Commercial/Industrial Sales Customers and Commercial/Industrial Transportation Customers (Rate Codes G-52)							
48	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter Nov-Apr
50 Energy Efficiency	\$ 0.07	\$ 0.0859	\$ 0.0946	\$ 0.1104	\$ 0.0982	\$ 0.0836	\$ 0.01
51 Energy Efficiency Amount	\$ 0.1%	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.01
52 Environmental	\$ (10.26)	\$ (13.1577)	\$ (14.4816)	\$ (16.8989)	\$ (15.0382)	\$ (12.8039)	\$ (2.97)
53 Total Environmental	\$ -49.6%	\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ (2.97)
54 RDAF	\$ (1.21)	\$ (1.5466)	\$ (1.7022)	\$ (1.9864)	\$ (1.7676)	\$ (1.5050)	\$ (1.38)
55 RDAF amount	\$ -23.1%	\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ (1.38)
56 PTAM	\$ (1.78)	\$ (2.2835)	\$ (2.5133)	\$ (2.9328)	\$ (2.6098)	\$ (2.2221)	\$ (0.56)
57 PTAM amount	\$ -9.4%	\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ (0.56)
58 RCE	\$ (3.22)	\$ (4.1243)	\$ (4.5393)	\$ (5.2969)	\$ (4.7137)	\$ (4.0134)	\$ (1.95)
59 RCE Amount	\$ -32.4%	\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ (1.95)
60 GAP	\$ 6.16	\$ 7.9048	\$ 8.7002	\$ 10.1525	\$ 9.0346	\$ 7.6923	\$ 1.77
61 GAP Amount	\$ 29.5%	\$ 0.29	\$ 0.29	\$ 0.29	\$ 0.29	\$ 0.29	\$ 1.77
62 Total LDAC	\$ (10.23)	\$ (13.1212)	\$ (14.4415)	\$ (16.8521)	\$ (14.9966)	\$ (12.7684)	\$ (82.41)
63 Total LDAC Amount	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%

May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Summer May-Oct	Total Nov-Oct
\$ 0.0670	\$ 0.0561	\$ 0.0535	\$ 0.0544	\$ 0.4438	\$ 0.0548	\$ 0.01	\$ 0.01
\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ -	\$ -
\$ (10.2545)	\$ (8.5956)	\$ (8.1957)	\$ (8.3298)	\$ (67.9561)	\$ (8.3959)	\$ (2.97)	\$ (5.95)
\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ (0.50)	\$ -	\$ -
\$ (1.2054)	\$ (1.0104)	\$ (0.9634)	\$ (0.9791)	\$ (7.9878)	\$ (0.9869)	\$ (1.38)	\$ (2.77)
\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ (0.23)	\$ -	\$ -
\$ (1.7796)	\$ (1.4917)	\$ (1.4223)	\$ (1.4456)	\$ (11.7936)	\$ (1.4571)	\$ (0.56)	\$ (1.12)
\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ (0.09)	\$ -	\$ -
\$ (3.2143)	\$ (2.6943)	\$ (2.5689)	\$ (2.6110)	\$ (21.3008)	\$ (2.6317)	\$ (1.95)	\$ (3.89)
\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ (0.32)	\$ -	\$ -
\$ 6.1607	\$ 5.1640	\$ 4.9238	\$ 5.0043	\$ 40.8266	\$ 5.0441	\$ 1.77	\$ 3.54
\$ 0.29	\$ 0.29	\$ 0.29	\$ 0.29	\$ 0.29	\$ 0.29	\$ -	\$ -
\$ (10.23)	\$ (8.57)	\$ (8.17)	\$ (8.31)	\$ (67.77)	\$ (8.37)	\$ (111.42)	\$ (193.83)
\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%	\$ -7.7%