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Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Base Distribution Rates

Line No.	Rate			c	Current	o 1 Increase Recoupment 2021	s	itep 1 Increase for 2022	F	Rates Effective 8/1/22	ep 1 Decrease r Recoupment 2021	Rat	es Effective 8/1/23
1	R1	Customer Charg	le	\$	15.39	\$ -	\$	-	\$	15.39	\$ -	\$	15.39
2		<u>Winter</u>	Charge for 1st Therms	\$	0.3844	\$ 0.0515	\$	0.0515	\$	0.4873	\$ (0.0515)	\$	0.4358
3		LDAC Charge	-	\$	0.1318						. ,		
4		Energy Charge	Charge for Therms over 1st	\$	0.3844	\$ 0.0515	\$	0.0515	\$	0.4873	\$ (0.0515)	\$	0.4358
5		Block Size	Cutoff for First Block		-				1	-			-
6		Cost of Gas	Cost of Gas Rate	\$	1.1747								
7		<u>Summer</u>	Charge for 1st Therms	\$	0.3844	\$ 0.0515	\$	0.0515	\$	0.4873	\$ (0.0515)	\$	0.4358
8		LDAC Charge		\$	0.1318								
9		Energy Charge	Charge for Therms over 1st	\$	0.3844	\$ 0.0515	\$	0.0515	\$	0.4873	\$ (0.0515)	\$	0.4358
10		Block Size	Cutoff for First Block		-				1	-			-
11		Cost of Gas	Cost of Gas Rate	\$	1.2295								
12	R3	Customer Charg	je	\$	15.39	\$ -	\$	-	\$	15.39	\$ -	\$	15.39
13		Winter	Charge for 1st Therms	\$	0.5632	\$ 0.0352	\$	0.0352	\$	0.6337	\$ (0.0352)	\$	0.5985
14		LDAC Charge		\$	0.1318								
15		Energy Charge	Charge for Therms over 1st	\$	0.5632	\$ 0.0352	\$	0.0352	\$	0.6337	\$ (0.0352)	\$	0.5985
16		Block Size	Cutoff for First Block		-					-			-
17		Cost of Gas	Cost of Gas Rate	\$	1.1747								
18		<u>Summer</u>	Charge for 1st Therms	\$	0.5632	\$ 0.0352	\$	0.0352	\$	0.6337	\$ (0.0352)	\$	0.5985
19		LDAC Charge		\$	0.1318								
20		Energy Charge	Charge for Therms over 1st	\$	0.5632	\$ 0.0352	\$	0.0352	\$	0.6337	\$ (0.0352)	\$	0.5985
21		Block Size	Cutoff for First Block		-					-			-
22		Cost of Gas	Cost of Gas Rate	\$	1.2295								
23	R4	Winter Custome	r Charge	\$	8.47	\$ -	\$	-	\$	8.47	\$ -	\$	8.47
24		Summer Custon	ner Charge	\$	15.39	-	\$	-	\$	15.39	\$ -	\$	15.39
25		<u>Winter</u>	Charge for 1st Therms	\$	0.3098	\$ 0.0194	\$	0.0194	\$	0.3485	\$ (0.0194)	\$	0.3292
26		LDAC Charge		\$	0.1318								
27		Energy Charge	Charge for Therms over 1st	\$	0.3098	\$ 0.0194	\$	0.0194	\$	0.3485	\$ (0.0194)	\$	0.3292
28		Block Size	Cutoff for First Block		-					-			-
29		Cost of Gas	Cost of Gas Rate	\$	0.6461								
30		<u>Summer</u>	Charge for 1st Therms	\$	0.5632	\$ 0.0352	\$	0.0352	\$	0.6337	\$ (0.0352)	\$	0.5985
31		LDAC Charge		\$	0.1318								
32		Energy Charge	Charge for Therms over 1st	\$	0.5632	\$ 0.0352	\$	0.0352	\$	0.6337	\$ (0.0352)	\$	0.5985
33		Block Size	Cutoff for First Block		-					-			-
34		Cost of Gas	Cost of Gas Rate	\$	1.2295								

						Step 1 Increas for Recoupmer 2021		Step 1 Increase for 2022	Rates Effective 8/1/22	Step 1 Decrease for Recoupment 2021	Rates Effective 8/1/23
Line No.	Rate 41	Ourstans an Obarr			Current		0 0		-		
35	41	Customer Charg		\$ \$	57.06 0.4688	\$ 2.4 \$ 0.016			\$ 62.0 \$ 0.500	, , ,	
36 37		<u>Winter</u> LDAC Charge	Charge for 1st Therms	ծ \$	0.4666	φ 0.010	ψ	S 0.0160	\$ 0.500	7 \$ (0.0160) \$ 0.4848
38		Energy Charge	Charge for Therms over 1st	э \$	0.0991	\$ 0.016	0 \$	5 0.0160	\$ 0.346	9 \$ (0.0160) \$ 0.3309
38 39		Block Size	Charge for Therms over 1st Cutoff for First Block	Φ	0.3149	φ 0.010	ψ	0.0100	\$ 0.346 10	, , , , , , , , , , , , , , , , , , , ,	100
39 40		Cost of Gas	Cost of Gas Rate	\$	1.1749				10		100
40 41		Summer	Cost of Gas Rate Charge for 1st Therms	э \$	0.4688	\$ 0.016	0 \$	5 0.0160	\$ 0.500	7 \$ (0.0160) \$ 0.4848
41		LDAC Charge	Charge for 1st menns	э \$	0.4000	φ 0.010	U \$	0.0700	ъ 0.500	\$ (0.0700) > 0.4646
42		Energy Charge	Charge for Therms over 1st	э \$	0.0991	\$ 0.016	0 \$	5 0.0160	\$ 0.346	9 \$ (0.0160) \$ 0.3309
43		Block Size	Cutoff for First Block	φ	20	φ 0.010	φ	0.0700	\$ 0.340 2	, , , , , , , , , , , , , , , , , , , ,	20
44		Cost of Gas	Cost of Gas Rate	\$	1.2303				2	,	20
46	42	Customer Charg		Ψ \$	171.19	\$ 7.4	2 \$	5 7.42	\$ 186.0	3 \$ (7.42) \$ 178.61
40	72	Winter	Charge for 1st Therms	φ \$		\$ 0.014				, ,	
48		LDAC Charge	onarge for 1st mennis	\$	0.0991	φ 0.014	J ¢	0.0140	φ 0.400	φ (0.0743	, , ,,
49		Energy Charge	Charge for Therms over 1st	\$	0.2839	\$ 0.014	9 \$	0.0149	\$ 0.313	6 \$ (0.0149) \$ 0.2988
50		Block Size	Cutoff for First Block	Ŷ	1,000	• • • • • •	Ű		1,00	, , , , , ,	1,000
51		Cost of Gas	Cost of Gas Rate	\$	1.1749				.,		_,
52		Summer	Charge for 1st Therms	\$	0.4261	\$ 0.014	9 \$	5 0.0149	\$ 0.455	3 \$ (0.0149) \$ 0.4409
53		LDAC Charge	5	\$	0.0991	•			•	, , , , , , , , , , , , , , , , , , , ,	
54		Energy Charge	Charge for Therms over 1st	\$	0.2839	\$ 0.014	9 \$	0.0149	\$ 0.313	6 \$ (0.0149) \$ 0.2988
55		Block Size	Cutoff for First Block		400				40		400
56		Cost of Gas	Cost of Gas Rate	\$	1.2303						
57	43	Customer Charg	e	\$	734.69	\$ 30.8	2 \$	30.82	\$ 796.3	2 \$ (30.82) \$ 765.51
58		Winter	Charge for 1st Therms	\$	0.2620	\$ 0.009	7 \$	0.0097	\$ 0.281	4 \$ (0.0097)\$ 0.2717
59		LDAC Charge		\$	0.0991						
60		Energy Charge	Charge for Therms over 1st	\$	0.2620	\$ 0.009	7 \$	0.0097	\$ 0.281	4 \$ (0.0097) \$ 0.2717
61		Block Size	Cutoff for First Block		-					-	-
62		Cost of Gas	Cost of Gas Rate	\$	1.1749						
63		Summer	Charge for 1st Therms	\$	0.1198	\$ 0.009	7 \$	0.0097	\$ 0.139	2 \$ (0.0097) \$ 0.1295
64		LDAC Charge		\$	0.0991						
65		Energy Charge	Charge for Therms over 1st	\$	0.1198	\$ 0.009	7 \$	0.0097	\$ 0.139	2 \$ (0.0097)\$ 0.1295
66		Block Size	Cutoff for First Block		-					-	
67		Cost of Gas	Cost of Gas Rate	\$	1.2303						

Line No.	Rate			Current	for Reco	ncrease oupment 121	Ste	ep 1 Increase for 2022	R	ates Effective 8/1/22	Step 1 Decrease for Recoupment 2021	 s Effective 8/1/23
68	51	Customer Charg	e	\$ 57.06	\$	2.51	\$	2.51	\$	62.08	\$ (2.51)	\$ 59.57
69		Winter	Charge for 1st Therms	\$ 0.2819	\$	0.0101	\$	0.0101	\$	0.3020	\$ (0.0101)	\$ 0.2920
70		LDAC Charge		\$ 0.0991								I
71		Energy Charge	Charge for Therms over 1st	\$ 0.1833	\$	0.0101	\$	0.0101	\$	0.2034	\$ (0.0101)	\$ 0.1934
72		Block Size	Cutoff for First Block	100						100		100
73		Cost of Gas	Cost of Gas Rate	\$ 1.1732								I
74		Summer	Charge for 1st Therms	\$ 0.2819	\$	0.0101	\$	0.0101	\$	0.3020	\$ (0.0101)	\$ 0.2920
75		LDAC Charge		\$ 0.0991								I
76		Energy Charge	Charge for Therms over 1st	\$ 0.1833	\$	0.0101	\$	0.0101	\$	0.2034	\$ (0.0101)	\$ 0.1934
77		Block Size	Cutoff for First Block	100						100		100
78		Cost of Gas	Cost of Gas Rate	\$ 1.2284								
79	52	Customer Charg	e	\$ 171.19	\$	7.30	\$	7.30	\$	185.80	\$ (7.30)	\$ 178.49
80		<u>Winter</u>	Charge for 1st Therms	\$ 0.2428	\$	0.0087	\$	0.0087	\$	0.2602	\$ (0.0087)	\$ 0.2515
81		LDAC Charge		\$ 0.0991								I
82		Energy Charge	Charge for Therms over 1st	\$ 0.1617	\$	0.0087	\$	0.0087	\$	0.1791	\$ (0.0087)	\$ 0.1704
83		Block Size	Cutoff for First Block	1,000						1,000		1,000
84		Cost of Gas	Cost of Gas Rate	\$ 1.1732								I
85		<u>Summer</u>	Charge for 1st Therms	\$ 0.1759	\$	0.0087	\$	0.0087	\$	0.1933	\$ (0.0087)	\$ 0.1846
86		LDAC Charge		\$ 0.0991								I
87		Energy Charge	Charge for Therms over 1st	\$ 0.1000	\$	0.0087	\$	0.0087	\$	0.1174	\$ (0.0087)	\$ 0.1087
88		Block Size	Cutoff for First Block	1,000						1,000		1,000
89		Cost of Gas	Cost of Gas Rate	\$ 1.2284								
90	53	Customer Charg		\$ 756.10	-	32.77	\$	32.77	\$	821.64		788.87
91		<u>Winter</u>	Charge for 1st Therms	\$ 0.1697	\$	0.0061	\$	0.0061	\$	0.1819	\$ (0.0061)	\$ 0.1758
92		LDAC Charge		\$ 0.0991								
93		Energy Charge	Charge for Therms over 1st	\$ 0.1697	\$	0.0061	\$	0.0061	\$	0.1819	\$ (0.0061)	\$ 0.1758
94		Block Size	Cutoff for First Block	-						-		-
95		Cost of Gas	Cost of Gas Rate	\$ 1.1732								I
96		<u>Summer</u>	Charge for 1st Therms	\$ 0.0814	\$	0.0061	\$	0.0061	\$	0.0936	\$ (0.0061)	\$ 0.0875
97		LDAC Charge		\$ 0.0991								I
98		Energy Charge	Charge for Therms over 1st	\$ 0.0814	\$	0.0061	\$	0.0061	\$	0.0936	\$ (0.0061)	\$ 0.0875
99		Block Size	Cutoff for First Block	-						-		-
100		Cost of Gas	Cost of Gas Rate	\$ 1.2284								

							o 1 Increase						ep 1 Decrease		
Line No.	Rate				Current	for F	Recoupment 2021	St	tep 1 Increase for 2022	R	ates Effective 8/1/22	fo	r Recoupment 2021		Effective 3/1/23
	54	Customer Charg	e	\$	756.10	\$	32.77	\$	32.77	\$	821.64	\$	(32.77)	Ś	788.87
102		Winter	Charge for 1st Therms	\$	0.0648	\$	0.0023	\$	0.0023	\$	0.0693	\$	(0.0023)		0.0670
103		LDAC Charge	-	\$	0.0991										
104		Energy Charge	Charge for Therms over 1st	\$	0.0648	\$	0.0023	\$	0.0023	\$	0.0693	\$	(0.0023)	\$	0.0670
105		Block Size	Cutoff for First Block		-						-				-
106		Cost of Gas	Cost of Gas Rate	\$	1.1732										
107		Summer	Charge for 1st Therms	\$	0.0352	\$	0.0023	\$	0.0023	\$	0.0397	\$	(0.0023)	\$	0.0374
108		LDAC Charge	5	\$	0.0991			-							
109		Energy Charge	Charge for Therms over 1st	\$	0.0352	\$	0.0023	\$	0.0023	\$	0.0397	\$	(0.0023)	\$	0.0374
110		Block Size	Cutoff for First Block	-	-			-			-				-
111		Cost of Gas	Cost of Gas Rate	\$	1.2284										
112	R5	Customer Charg	e	\$	20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01
113		Winter	Charge for 1st Therms	\$	0.4997	\$	0.0669	\$	0.0669	\$	0.6335	\$	(0.0669)	\$	0.5666
114		LDAC Charge		\$	0.1318										
115		Energy Charge	Charge for Therms over 1st	\$	0.4997	\$	0.0669	\$	0.0669	\$	0.6335	\$	(0.0669)	\$	0.5666
116		Block Size	Cutoff for First Block		-						-				-
117		Cost of Gas	Cost of Gas Rate	\$	1.1747										
118		<u>Summer</u>	Charge for 1st Therms	\$	0.4997	\$	0.0669	\$	0.0669	\$	0.6335	\$	(0.0669)	\$	0.5666
119		LDAC Charge		\$	0.1318										
120		Energy Charge	Charge for Therms over 1st	\$	0.4997	\$	0.0669	\$	0.0669	\$	0.6335	\$	(0.0669)	\$	0.5666
121		Block Size	Cutoff for First Block		-						-				-
122		Cost of Gas	Cost of Gas Rate	\$	1.2295										
	R6	Customer Charg		\$	20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01
124		<u>Winter</u>	Charge for 1st Therms	\$	0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	(0.0458)	\$	0.7780
125		LDAC Charge		\$	0.1318										
126		Energy Charge	Charge for Therms over 1st	\$	0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	(0.0458)	\$	0.7780
127		Block Size	Cutoff for First Block		-						-				-
128		Cost of Gas	Cost of Gas Rate	\$	1.1747										
129		Summer	Charge for 1st Therms	\$	0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	(0.0458)	Ş	0.7780
130		LDAC Charge		\$	0.1318	•	0.0450		0.0.150	•			(0.0.(50)		
131		Energy Charge	Charge for Therms over 1st	\$	0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	(0.0458)	Ş	0.7780
132		Block Size	Cutoff for First Block	¢	-						-				-
133		Cost of Gas	Cost of Gas Rate	\$	1.2295										

Line No.	Rate			Current	Step 1 Ind for Recou 202	pment	Ste	p 1 Increase for 2022	R	ates Effective 8/1/22	Step 1 Decrease for Recoupment 2021	Rat	es Effective 8/1/23
134	R7	Winter Custome	r Charge	\$ 11.01	\$	-	\$	-	\$	11.01	\$-	\$	11.01
135		Summer Custor	ner Charge	\$ 20.01					\$	20.01		\$	20.01
136		Winter	Charge for 1st Therms	\$ 0.4027	\$	0.0252	\$	0.0252	\$	0.4531	\$ (0.0252)	\$	0.4279
137		LDAC Charge		\$ 0.1318									
138		Energy Charge	Charge for Therms over 1st	\$ 0.4027	\$	0.0252	\$	0.0252	\$	0.4531	\$ (0.0252)	\$	0.4279
139		Block Size	Cutoff for First Block	-						-			-
140		Cost of Gas	Cost of Gas Rate	\$ 0.6461									
141		<u>Summer</u>	Charge for 1st Therms	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$ (0.0458)	\$	0.7780
142		LDAC Charge		\$ 0.1318									
143		Energy Charge	Charge for Therms over 1st	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$ (0.0458)	\$	0.7780
144		Block Size	Cutoff for First Block	-						-			-
145		Cost of Gas	Cost of Gas Rate	\$ 1.2295									
146	44	Customer Charg		\$ 74.18	•		\$	3.23		80.64	\$ (3.23)		77.41
147		Winter	Charge for 1st Therms	\$ 0.6094	\$	0.0208	\$	0.0208	\$	0.6509	\$ (0.0208)	\$	0.6302
148		LDAC Charge		\$ 0.0991									
149		Energy Charge	Charge for Therms over 1st	\$ 0.4094	\$	0.0208	\$	0.0208	\$	0.4510	\$ (0.0208)	\$	0.4302
150		Block Size	Cutoff for First Block	100						100			100
151		Cost of Gas	Cost of Gas Rate	\$ 1.1749									
152		<u>Summer</u>	Charge for 1st Therms	\$ 0.6094	\$	0.0208	\$	0.0208	\$	0.6509	\$ (0.0208)	\$	0.6302
153		LDAC Charge		\$ 0.0991									
154		Energy Charge	Charge for Therms over 1st	\$ 0.4094	\$	0.0208	\$	0.0208	\$	0.4510	\$ (0.0208)	\$	0.4302
155		Block Size	Cutoff for First Block	20						20			20
156		Cost of Gas	Cost of Gas Rate	\$ 1.2303									
157	45	Customer Charg		\$ 222.55			\$	9.64		241.83	\$ (9.64)		232.19
158		<u>Winter</u>	Charge for 1st Therms	\$ 0.5539	\$	0.0193	\$	0.0193	\$	0.5925	\$ (0.0193)	\$	0.5732
159		LDAC Charge		\$ 0.0991			-						
160		Energy Charge	Charge for Therms over 1st	\$ 0.3691	\$	0.0193	\$	0.0193	\$	0.4077	\$ (0.0193)	Ş	0.3884
161		Block Size	Cutoff for First Block	1,000						1,000			1,000
162		Cost of Gas	Cost of Gas Rate	\$ 1.1749			_						
163		<u>Summer</u>	Charge for 1st Therms	\$ 0.5539	\$	0.0193	\$	0.0193	\$	0.5925	\$ (0.0193)	Ş	0.5732
164		LDAC Charge		\$ 0.0991			-						
165		Energy Charge	Charge for Therms over 1st	\$ 0.3691	\$	0.0193	\$	0.0193	\$	0.4077	\$ (0.0193)	Ş	0.3884
166		Block Size	Cutoff for First Block	400						400			400
167		Cost of Gas	Cost of Gas Rate	\$ 1.2303									

Line No.	Rate				Current	Step 1 Increase for Recoupment 2021	tep 1 Increase for 2022	Rates Effective 8/1/22	Step 1 Decrease for Recoupment 2021	Rates Effective 8/1/23
168	46	Customer Charg	e	\$	955.10	\$ 40.06	\$ 40.06	\$ 1,035.22	\$ (40.06)	\$ 995.16
169		Winter	Charge for 1st Therms	\$	0.3406	\$ 0.0127	\$ 0.0127	\$ 0.3658	\$ (0.0127)	\$ 0.3532
170		LDAC Charge	, and the second s	\$	0.0991				. ,	
171		Energy Charge	Charge for Therms over 1st	\$	0.3406	\$ 0.0127	\$ 0.0127	\$ 0.3658	\$ (0.0127)	\$ 0.3532
172		Block Size	Cutoff for First Block		-			-		-
173		Cost of Gas	Cost of Gas Rate	\$	1.1749					
174		Summer	Charge for 1st Therms	\$	0.1557	\$ 0.0126	\$ 0.0126	\$ 0.1810	\$ (0.0126)	\$ 0.1684
175		LDAC Charge		\$	0.0991					
176		Energy Charge	Charge for Therms over 1st	\$	0.1557	\$ 0.0126	\$ 0.0126	\$ 0.1810	\$ (0.0126)	\$ 0.1684
177		Block Size	Cutoff for First Block		-			-		-
178		Cost of Gas	Cost of Gas Rate	\$	1.2303					
179	55	Customer Charg	e	\$	74.18	\$ 3.26	3.26	\$ 80.70	\$ (3.26)	\$ 77.44
180		Winter	Charge for 1st Therms	\$	0.3665	\$ 0.0131	\$ 0.0131	\$ 0.3927	\$ (0.0131)	\$ 0.3796
181		LDAC Charge		\$	0.0991					
182		Energy Charge	Charge for Therms over 1st	\$	0.2383	\$ 0.0131	\$ 0.0131	• • • • •	\$ (0.0131)	
183		Block Size	Cutoff for First Block		100			100		100
184		Cost of Gas	Cost of Gas Rate	\$	1.1732					
185		<u>Summer</u>	Charge for 1st Therms	\$	0.3665	\$ 0.0131	\$ 0.0131	\$ 0.3927	\$ (0.0131)	\$ 0.3796
186		LDAC Charge		\$	0.0991					
187		Energy Charge	Charge for Therms over 1st	\$	0.2383	\$ 0.0131	\$ 0.0131		\$ (0.0131)	
188		Block Size	Cutoff for First Block		100			100		100
189		Cost of Gas	Cost of Gas Rate	\$	1.2284					
190	56	Customer Charg		\$	222.55	•	9.49	\$ 241.54	\$ (9.49)	
191		Winter	Charge for 1st Therms	\$	0.3157	\$ 0.0113	\$ 0.0113	\$ 0.3383	\$ (0.0113)	\$ 0.3270
192		LDAC Charge		\$	0.0991					
193		Energy Charge	Charge for Therms over 1st	\$	0.2102	\$ 0.0113	\$ 0.0113		\$ (0.0113)	
194		Block Size	Cutoff for First Block		1,000			1,000		1,000
195		Cost of Gas	Cost of Gas Rate	\$	1.1732					
196		Summer	Charge for 1st Therms	\$	0.2287	\$ 0.0113	\$ 0.0113	\$ 0.2513	\$ (0.0113)	\$ 0.2400
197		LDAC Charge		\$	0.0991	• • • • • • • •		• • • • • • • • • • • • • • • • • • •		
198		Energy Charge	Charge for Therms over 1st	\$	0.1300	\$ 0.0113	\$ 0.0113		\$ (0.0113)	
199		Block Size	Cutoff for First Block	<i>•</i>	1,000			1,000		1,000
200		Cost of Gas	Cost of Gas Rate	\$	1.2284					

Line No.	Rate			Current	Step 1 Inc for Recoup 2021	oment	Ste	ep 1 Increase for 2022	Ra	ates Effective 8/1/22	Step 1 Dec for Recou 2021	oment	Rat	es Effective 8/1/23
201	57	Customer Charg	e	\$ 982.93	\$	42.60	\$	42.60	\$	1,068.14	\$	(42.60)	\$	1,025.54
202		Winter	Charge for 1st Therms	\$ 0.2207	\$ C	0.0079	\$	0.0079	\$	0.2365	\$	(0.0079)	\$	0.2286
203		LDAC Charge		\$ 0.0991										ļ
204		Energy Charge	Charge for Therms over 1st	\$ 0.2207	\$ C	0.0079	\$	0.0079	\$	0.2365	\$	(0.0079)	\$	0.2286
205		Block Size	Cutoff for First Block	-						-				-
206		Cost of Gas	Cost of Gas Rate	\$ 1.1732										ļ
207		<u>Summer</u>	Charge for 1st Therms	\$ 0.1059	\$ C	0.0079	\$	0.0079	\$	0.1217	\$	(0.0079)	\$	0.1138
208		LDAC Charge		\$ 0.0991										ļ
209		Energy Charge	Charge for Therms over 1st	\$ 0.1059	\$ C	0.0079	\$	0.0079	\$	0.1217	\$	(0.0079)	\$	0.1138
210		Block Size	Cutoff for First Block	-						-				_
211		Cost of Gas	Cost of Gas Rate	\$ 1.2284										ļ
212	58	Customer Charg	e	\$ 982.93	\$	42.61	\$	42.61	\$	1,068.14	\$	(42.61)	\$	1,025.54
213		Winter	Charge for 1st Therms	\$ 0.0842	\$ C	0.0029	\$	0.0029	\$	0.0901	\$	(0.0029)	\$	0.0871
214		LDAC Charge		\$ 0.0991										ļ
215		Energy Charge	Charge for Therms over 1st	\$ 0.0842	\$ C	0.0029	\$	0.0029	\$	0.0901	\$	(0.0029)	\$	0.0871
216		Block Size	Cutoff for First Block	-						-				_
217		Cost of Gas	Cost of Gas Rate	\$ 1.1732										ļ
218		Summer	Charge for 1st Therms	\$ 0.0457	\$ C	0.0029	\$	0.0029	\$	0.0516	\$	(0.0029)	\$	0.0487
219		LDAC Charge		\$ 0.0991										ļ
220		Energy Charge	Charge for Therms over 1st	\$ 0.0457	\$ C	0.0029	\$	0.0029	\$	0.0516	\$	(0.0029)	\$	0.0487
221		Block Size	Cutoff for First Block	-					1	-				_
222		Cost of Gas	Cost of Gas Rate	\$ 1.2284										ļ

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

Winter Season (Jan. - Apr., Nov. - Dec.) 1

2	Residential Non-Heating (R1)							
3	PROPOSED							
4		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
5	average Usage (Therms)	20	26	27	26	23	19	140
6								
7	Winter:							
8	Cust. Chg \$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.35
9	Headblock \$0.4873	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	Tailblock \$0.4873	\$9.57	\$12.49	\$13.27	\$12.71	\$11.18	\$9.11	\$68.33
11	HB Threshold -							
12								
13	Summer:							
14	Cust. Chg \$15.39							
15	Headblock \$0.4873							
16	Tailblock \$0.4873							
17	HB Threshold -							
18								
19	Total Base Rate Amount	\$24.96	\$27.88	\$28.67	\$28.10	\$26.57	\$24.50	\$160.68
20								
21	COG Rate - (Winter) \$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747
22	COG amount - Winter	\$23.06	\$30.11	\$32.00	\$30.63	\$26.95	\$21.97	\$164.71
23								
24	COG Rate - (Summer) \$1.2295							
25	COG amount - Summer							
26								
27	LDAC \$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318
28	LDAC amount	\$2.59	\$3.38	\$3.59	\$3.44	\$3.02	\$2.46	\$18.48
29								
30	Total Bill	\$50.60	\$61.36	\$64.25	\$62.17	\$56.55	\$48.94	\$343.87

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
14	11	9	9	11	13	69	209
\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.35	\$184.71
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$7.05	\$5.57	\$4.51	\$4.62	\$5.15	\$6.52	\$33.42	\$101.75
\$22.45	\$20.96	\$19.91	\$20.01	\$20.54	\$21.91	\$125.78	\$286.46
\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.1927
\$17.80	\$14.04	\$11.39	\$11.66	\$12.99	\$16.45	\$84.33	\$249.04
\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318
\$1.91	\$1.51	\$1.22	\$1.25	\$1.39	\$1.76	\$9.04	\$27.52
\$42.15	\$36.50	\$32.52	\$32.92	\$34.93	\$40.12	\$219.14	\$563.01

31Winter Season (Jan. - Apr., Nov. - Dec.)32Residential Non-Heating (R1)

012

32	Residential Non-Reading (KT)															
33	CURRENT															
34		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-22	Aug-21	Sep-21	Oct-21	Summer	Total
35	average Usage (Therms)	20	26	27	26	23	19	140	14	11	9	9	11	13	69	209
36																
37	Winter:															
38	Cust. Chg \$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34								
39	Headblock \$0.3844	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
40	Tailblock \$0.3844	\$7.55	\$9.85	\$10.47	\$10.02	\$8.82	\$7.19	\$53.90								
41	HB Threshold -															
42																
43	Summer:															
44	Cust. Chg \$15.39								\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34	\$184.68
45	Headblock \$0.3844								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
46	Tailblock \$0.3844								\$5.56	\$4.39	\$3.56	\$3.65	\$4.06	\$5.14	\$26.36	\$80.26
47	HB Threshold -															
48																
49	Total Base Rate Amount	\$22.94	\$25.24	\$25.86	\$25.41	\$24.21	\$22.58	\$146.24	\$20.95	\$19.78	\$18.95	\$19.04	\$19.45	\$20.53	\$118.70	\$264.94
50																
51	COG Rate - (Winter) \$1.1829		\$1.0173	\$0.7246	\$0.5956	\$0.7743	\$1.1747	\$0.8796								
52	COG amount - Winter	\$22.26	\$26.07	\$19.74	\$15.53	\$17.76	\$21.97	\$123.33								
53																
54	COG Rate - (Summer) \$1.2295								\$1.2295	\$1.2295	\$1.2295	\$0.3935	\$0.3935	\$1.1339	\$0.9665	\$0.9081
55	COG amount - Summer								\$17.80	\$14.04	\$11.39	\$3.73	\$4.16	\$15.17	\$66.28	\$189.61
56																
57	LDAC \$0.1318	\$0.1397	\$0.1517	\$0.1012	\$0.1154	\$0.1539	\$0.1318	\$0.1312	\$0.1318	\$0.1318	\$0.1318	\$0.0589	\$0.0589	\$0.0589	\$0.0963	\$0.1197
58	LDAC amount	\$2.74	\$3.89	\$2.76	\$3.01	\$3.53	\$2.46	\$18.39	\$1.91	\$1.51	\$1.22	\$0.56	\$0.62	\$0.79	\$6.60	\$24.99
59																
60	Total Bill	\$47.94	\$55.20	\$48.35	\$43.95	\$45.50	\$47.01	\$287.96	\$40.66	\$35.33	\$31.56	\$23.32	\$24.23	\$36.49	\$191.59	\$479.55
61	DIFFEDENCE															
	DIFFERENCE:	<u> </u>							A 4 4A						AA	AAA (A
63	Total Bill	\$2.67	\$6.16	\$15.90	\$18.21	\$11.04	\$1.93	\$55.91	\$1.49	\$1.18	\$0.96	\$9.60	\$10.69	\$3.63	\$27.55	\$83.46
64	% Change	5.57%	11.17%	32.88%	41.44%	24.27%	4.10%	19.42%	3.67%	3.33%	3.03%	41.14%	44.13%	9.96%	14.38%	17.40%
65		AO OO	*• • • •	** • • • •					0 4 40	A 4 40	* *				A7 07	004.54
66	Base Rate	\$2.02	\$2.64	\$2.81	\$2.69	\$2.36	\$1.93	\$14.44	\$1.49	\$1.18	\$0.96	\$0.98	\$1.09	\$1.38	\$7.07	\$21.51
) 67	% Change	8.82%	10.46%	10.85%	10.57%	9.76%	8.53%	9.88%	7.12%	5.95%	5.04%	5.14%	5.60%	6.72%	5.96%	8.12%
68	COC 8 1 DAC	¢0.65	¢0 50	¢12.00	¢15 50	* 0 c 0	¢0.00	\$41.47	\$0.00	¢0.00	¢0.00	¢9.60	\$9.60	¢0.05	¢20.49	\$61.95
69	COG & LDAC	\$0.65	\$3.52	\$13.09	\$15.53	\$8.68	\$0.00			\$0.00	\$0.00	\$8.62		\$2.25	\$20.48	
70	% Change	2.58%	11.76%	58.21%	83.76%	40.76%	0.00%	29.26%	0.00%	0.00%	0.00%	200.91%	200.91%	14.13%	28.09%	28.87%

Summer Season (May - Oct.)

Summer Season (May - Oct.)

Line

No

013

71 Winter Season (Jan. - Apr., Nov. - Dec.)

72	Residential Heating (R3)							
73	PROPOSED							
74		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
75	average Usage (Therms)	83	122	145	139	105	62	657
76								
77	Winter:							
78	Cust. Chg \$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.35
79	Headblock \$0.6337	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
80	Tailblock \$0.6337	\$52.77	\$77.26	\$92.13	\$87.78	\$66.80	\$39.58	\$416.32
81	HB Threshold -							
82								
83	Summer:							
84	Cust. Chg \$15.39							
85	Headblock \$0.6337							
86	Tailblock \$0.6337							
87	HB Threshold -							
88								
89	Total Base Rate Amount	\$68.16	\$92.65	\$107.52	\$103.18	\$82.19	\$54.97	\$508.67
90								
91	COG Rate - (Winter) \$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747	\$1.1747
92	COG amount - Winter	\$97.82	\$143.22	\$170.79	\$162.72	\$123.83	\$73.36	\$771.74
93								
94	COG Rate - (Summer) \$1.2295							
95	COG amount - Summer							
96								
97	LDAC \$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318	\$0.1318
98	LDAC amount	\$10.98	\$16.07	\$19.16	\$18.26	\$13.89	\$8.23	\$86.59
99								
100	Total Bill	\$176.96	\$251.94	\$297.47	\$284.16	\$219.92	\$136.56	\$1,367.00

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23 Jun-23 Jul-23 Aug-22 Sep-22 Oct-22 Summer Total 18 13 134 791 33 18 38 14 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$92.35 \$184.71 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$20.97 \$11.32 \$8.48 \$8.64 \$11.20 \$24.36 \$84.96 \$501.28 \$36.36 \$177.32 \$685.99 \$26.71 \$23.87 \$24.03 \$26.60 \$39.75 \$1.2295 \$1.2295 \$1.2295 \$1.2295 \$1.2295 \$1.2295 \$1.2295 \$1.1840 \$164.85 \$40.68 \$21.95 \$16.45 \$16.75 \$21.74 \$47.26 \$936.59 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$104.26 \$4.36 \$2.35 \$1.76 \$1.80 \$2.33 \$5.07 \$17.67 \$81.41 \$51.02 \$42.09 \$42.58 \$50.66 \$92.08 \$359.83 \$1,726.84

101 Winter Season (Jan. - Apr., Nov. - Dec.) 102 Residential Heating (R3)

105 average Usage (Therms) 83 122 145 139 105 62 657 33 18 13 14 106 14	Sep-21 Oct-21 18 38	Summer 134	Total 791
105 average Usage (Therms) 83 122 145 139 105 62 657 33 18 13 14 106 14			
106	18 38	134	791
107 Winter:			
108 Cust. Chg \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39			
109 Headblock \$0.5632 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00			
110 Tailblock \$0.5632 \$46.90 \$68.67 \$81.88 \$78.02 \$59.37 \$35.17 \$370.00			
111 HB Threshold -			
112			
113 Summer:			
114 Cust. Chg \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$	\$15.39 \$15.39	\$92.34	\$184.68
115 Headblock \$0.5632 \$0.00 \$0.00 \$0.00 \$0.00 \$	\$0.00 \$0.00	\$0.00	\$0.00
116 Tailblock \$0.5632 \$18.64 \$10.06 \$7.54 \$7.67	\$9.96 \$21.65	\$75.51	\$445.52
117 HB Threshold -			-
118			
119 Total Base Rate Amount \$62.29 \$84.06 \$97.27 \$93.41 \$74.76 \$50.56 \$462.34 \$34.03 \$25.45 \$22.93 \$23.06 \$	\$25.35 \$37.04	\$167.85	\$630.20
120			-
121 COG Rate - (Winter) \$1.1339 \$1.0173 \$0.7246 \$0.5956 \$0.7743 \$1.1747 \$0.8544			
122 COG amount - Winter \$94.42 \$124.03 \$105.35 \$82.50 \$81.62 \$73.36 \$561.29			
123			
124 COG Rate - (Summer) \$0.6984 \$0.6984 \$0.6984 \$0.3935 \$0	0.3935 \$1.1339	\$0.7521	\$0.8370
125 COG amount - Summer \$23.11 \$12.47 \$9.35 \$5.36 \$	\$6.96 \$43.59	\$100.83	\$662.12
126			
127 LDAC \$0.1397 \$0.1517 \$0.1012 \$0.1154 \$0.1539 \$0.1318 \$0.1298 \$0.1318 \$0.13	0.0589 \$0.0589	\$0.0939	\$0.1237
128 LDAC amount \$11.63 \$18.50 \$14.71 \$15.99 \$16.22 \$8.23 \$85.28 \$4.36 \$2.35 \$1.76 \$0.80 \$	\$1.04 \$2.26	\$12.59	\$97.87
129			
130 Total Bill \$168.34 \$226.58 \$217.33 \$191.90 \$172.60 \$132.15 \$1,108.91 \$61.50 \$40.27 \$34.04 \$29.23 \$3	33.35 \$82.89	\$281.27	\$1,390.19
131			
132 DIFFERENCE:			
	17.32 \$9.19	\$78.56	\$336.65
	1.93% 11.09%	27.93%	24.22%
135			
	\$1.25 \$2.71	\$9.46	\$55.79
	4.93% 7.32%	5.64%	8.85%
b 138			
	16.07 \$6.48	\$69.10	\$280.86
140 % Change 2.58% 11.76% 58.21% 83.76% 40.76% 0.00% 32.75% 63.97% 63.97% 63.97% 200.91% 200	0.91% 14.13%	60.92%	36.96%

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

Docket No. DG 20-105 Attachment CAM-2 (Revised)

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No

143

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146 147 Winter:

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166 167 LDAC

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169 170 Total Bill

014

141 Winter Season (Jan. - Apr., Nov. - Dec.)

142 Low Income Residential Heating (R4) PROPOSED Dec-22 Jan-23 Feb-23 Mar-23 Apr-23 Nov-22 average Usage (Therms) 118 140 103 81 62 \$8.47 \$8.47 \$8.47 \$8.47 \$8.47 \$8.47 \$8.47 Cust. Chg Headblock \$0.3485 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 Failblock \$0.3485 \$28.06 \$41.10 \$48.95 \$46.34 \$35.74 \$21.50 HB Threshold Summer: \$15.39 Cust. Chg Headblock \$0.6337 Failblock \$0.6337 HB Threshold -\$36.53 \$49.56 \$57.41 \$54.81 \$44.21 \$29.97 Total Base Rate Amount

\$0.6461

\$76.19

\$0.1318

\$15.54

\$141.30

\$0.6461

\$90.75

\$0.1318

\$18.51

\$166.67

\$0.6461

\$85.91

\$0.1318

\$17.53

\$158.24

\$0.6461

\$66.26

\$0.1318

\$13.52

\$123.99

\$0.6461

\$39.86

\$0.1318

\$8.13

\$77.96

\$0.6461

\$1.2295

\$0.1318

\$0.6461

\$52.02

\$0.1318

\$10.61

\$99.16

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Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
33	18	14	14	18	38	134	770
\$15.39 \$0.00 \$20.80	\$15.39 \$0.00 \$11.66	\$15.39 \$0.00 \$8.76	\$15.39 \$0.00 \$8.90	\$15.39 \$0.00 \$11.18	\$15.39 \$0.00 \$23.79	\$92.35 \$0.00 \$85.08	\$143.1 \$0.00 \$306.7
\$20.80	\$27.06	\$24.15	\$8.90 \$24.29	\$26.57	\$23.79	\$05.00	\$449.9
\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$1.2295	\$0.747
\$40.35 \$0.1318 \$4.33	\$22.63 \$0.1318 \$2.43	\$17.00 \$0.1318 \$1.82	\$17.26 \$0.1318 \$1.85	\$21.68 \$0.1318 \$2.32	\$46.15 \$0.1318 \$4.95	\$165.08 \$0.1318 \$17.70	\$576.0 \$0.131 \$101.5
\$80.87	\$52.11	\$42.97	\$43.40	\$50.58	\$90.27	\$360.21	\$1,127.

171 Winter Season (Jan. - Apr., Nov. - Dec.) 172 Low Income Residential Heating (R4)

COG Rate - (Winter)

COG amount - Winter

COG Rate - (Summer)

COG amount - Summer

LDAC amount

173 CURRENT 174 Nov-21 Dec-21 Jan-22 Feb-22 Mar-22 Apr-22 Winter May-22 Jun-22 Jul-23 <u>Aug-</u>21 Sep-21 Oct-21 Summer Total average Usage (Therms) 175 81 118 140 133 103 62 636 33 18 14 14 18 38 134 770 176 177 Winter: 178 Cust. Chg \$8.47 \$8.47 \$8.47 \$8.47 \$8.47 \$8.47 \$8.47 \$50.82 179 Headblock \$0.3098 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 180 Tailblock \$0.3098 \$24.94 \$36.53 \$43.51 \$41 19 \$31 77 \$19.11 \$197.07 181 HB Threshold -182 183 Summer: \$15.39 \$143.16 184 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$15.39 \$92.34 Cust. Chg 185 Headblock \$0.5632 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 186 Tailblock \$0.5632 \$18.49 \$10.37 \$7.79 \$7.91 \$9.93 \$21.14 \$75.62 \$272.69 187 HB Threshold -188 189 \$247.89 \$23.18 Fotal Base Rate Amount \$33.41 \$45.00 \$51.98 \$49.66 \$40.24 \$27.58 \$33.88 \$25.76 \$23.30 \$25.32 \$36.53 \$167.96 \$415.85 190 191 COG Rate - (Winter) \$0.6506 \$0.6506 \$0.6506 \$0.6506 \$0.6506 \$0.6506 \$0.6506 \$0.6506 192 COG amount - Winter \$52.38 \$76.72 \$91.38 \$86.51 \$66.73 \$40.14 \$413.87 193 \$0.6984 \$0.6984 \$0.6984 \$0.6984 \$0.6984 \$0.6984 \$0 6984 194 COG Rate - (Summer) \$0.6984 \$0.6589 195 COG amount - Summer \$22.92 \$12.85 \$9.66 \$9.81 \$12.32 \$26.21 \$93.77 \$507.64 196 197 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 DAC \$0.1318 \$0.1318 0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 \$0.1318 198 LDAC amount \$10.61 \$15.54 \$18.51 \$17.53 \$13.52 \$8.13 \$83.84 \$4.33 \$2.43 \$1.82 \$1.85 \$2.32 \$4.95 \$17.70 \$101.54 199 \$161.88 200 Total Bill \$96.41 \$137.27 \$153.70 \$120.49 \$75.86 \$745.60 \$61.12 \$41.04 \$34.65 \$34.95 \$39.96 \$67.69 \$279.42 \$1,025.02 201 202 DIFFERENCE: \$2.75 \$4.03 \$4.80 \$3.50 \$22.58 \$80.79 \$102.51 203 \$4 54 \$2.10 \$19.75 \$11.08 \$8.32 \$8.45 \$10.61 Total Bill \$21.72 204 % Change 2.85% 2.93% 2.96% 2.95% 2.91% 2.77% 2.91% 32.31% 26.99% 24.01% 24.17% 26.55% 33.36% 28.91% 10.00% 205 206 Base Rate \$3.11 \$4.56 \$5.43 \$5.14 \$3.96 \$2.38 \$24.59 \$2.32 \$1.30 \$0.98 \$0.99 \$1.25 \$2.65 \$9.48 \$34.07 207 % Change 9.31% 10.13% 10.45% 10.35% 9.85% 8.64% 9.92% 6.84% 5.05% 4.22% 4.26% 4.92% 7.25% 5.64% 8.19% 208 COG & LDAC (\$0.36) (\$2.87) \$68.44 209 (\$0.53) (\$0.63) (\$0.60) (\$0.46)(\$0.28) \$17.43 \$9.78 \$7.34 \$7.46 \$9.37 \$19.93 \$71.31 210 % Change -0.58% -0.58% -0.58% -0.58% -0.58% -0.58% -0.58% 63.97% 63.97% 63.97% 63.97% 63.97% 63.97% 11.23% 63.97%

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

Bill Impact Analysis - Cost of Gas Filing Methodology

Winter

636

\$50.79

\$0.00

\$221.69

\$272.49

\$0.6461

\$410.99

\$0.1318

\$83.84

\$767.32

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Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 211
 Winter Season (Jan. - Apr., Nov. - Dec.)

 212
 Commercial/Industrial - Low Annual Use, High Winter Use (G-41)

212	Commercial/madstrial - Eow Annual Ose, right wind							
213	PROPOSED							
214		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
215	average Usage (Therms)	272	423	521	496	364	196	2,273
216								
217	Winter:							
218	Cust. Chg \$62.03	\$62.03	\$62.03	\$62.03	\$62.03	\$62.03	\$62.03	\$372.18
219	Headblock \$0.5007	\$50.07	\$50.07	\$50.07	\$50.07	\$50.07	\$50.07	\$300.42
220	Tailblock \$0.3469	\$59.73	\$112.03	\$146.19	\$137.35	\$91.72	\$33.27	\$580.27
221	HB Threshold 100							
222								
223	Summer:							
224	Cust. Chg \$62.03							
225	Headblock \$0.5007							
226	Tailblock \$0.3469							
227	HB Threshold 20							
228								
229	Total Base Rate Amount	\$171.83	\$224.13	\$258.29	\$249.45	\$203.82	\$145.37	\$1,252.87
230								
231	COG Rate - (Winter) \$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749
232	COG amount - Winter	\$319.78	\$496.90	\$612.61	\$582.66	\$428.13	\$230.16	\$2,670.24
233								
234	COG Rate - (Summer) \$1.2303							
235	COG amount - Summer							
236								
237	LDAC \$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
238	LDAC amount	\$26.97	\$41.91	\$51.67	\$49.15	\$36.11	\$19.41	\$225.23
239								
240	Total Bill	\$518.59	\$762.94	\$922.57	\$881.25	\$668.06	\$394.93	\$4,148.35

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
91	39	26	26	40	108	330	2,603
\$62.03	\$62.03	\$62.03	\$62.03	\$62.03	\$62.03	\$372.18	\$744.36
\$10.01	\$10.01	\$10.01	\$10.01	\$10.01	\$10.01	\$60.08	\$360.50
\$24.55	\$6.61	\$1.97	\$2.25	\$6.89	\$30.50	\$72.77	\$653.04
\$96.59	\$78.65	\$74.02	\$74.29	\$78.94	\$102.55	\$505.03	\$1,757.91
\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.1819
\$111.66	\$48.05	\$31.60	\$32.58	\$49.05	\$132.78	\$405.71	\$3,075.95
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$8.99	\$3.87	\$2.55	\$2.62	\$3.95	\$10.70	\$32.68	\$257.91
\$217.25	\$130.57	\$108.16	\$109.49	\$131.94	\$246.02	\$943.42	\$5,091.77

 241
 Winter Season (Jan. - Apr., Nov. - Dec.)

 242
 Commercial/Industrial - Low Annual Use, High Winter Use (G-41)

123 Concert Nov-21 Jan-22 Feb-22 Mar -23 Apr-23 Winter 124 sering Usage (Therms) 2/2 4.23 52/1 4.06 364 196 2.273 124 usi-0:0 557.06 557.06 557.06 557.06 557.06 547.06 557.06	242	Commercial/Industrial - Low Annual Use, Figh Wir	101 036 (0-4	·)													
245 werage Usage (Therms) 272 423 521 496 364 196 2.273 247 Winter: 272 423 521 496 364 196 2.273 248 Minter: 557.06 557.0	243	CURRENT															
144 245 246 247 246 244 244 244 244 256 256 256 257.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 <th< td=""><td>244</td><td></td><td>Nov-21</td><td>Dec-21</td><td>Jan-22</td><td>Feb-22</td><td>Mar-22</td><td>Apr-22</td><td>Winter</td><td>May-22</td><td>Jun-22</td><td>Jul-23</td><td>Aug-21</td><td>Sep-21</td><td>Oct-21</td><td>Summer</td><td>Total</td></th<>	244		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-23	Aug-21	Sep-21	Oct-21	Summer	Total
248 Winter: S57.06 S57.06 <td>245</td> <td>average Usage (Therms)</td> <td>272</td> <td>423</td> <td>521</td> <td>496</td> <td>364</td> <td>196</td> <td>2,273</td> <td>91</td> <td>39</td> <td>26</td> <td>26</td> <td>40</td> <td>108</td> <td>330</td> <td>2,603</td>	245	average Usage (Therms)	272	423	521	496	364	196	2,273	91	39	26	26	40	108	330	2,603
424 best Cut. Chg \$57.06 <td></td>																	
248 Headblock \$ 546.88 \$ 546.88 \$ 546.88 \$ 546.88 \$ 546.88 \$ 547.88 \$ 557.06	247	Winter:															
248 Headblock \$ 546.88 \$ 546.88 \$ 546.88 \$ 546.88 \$ 546.88 \$ 547.88 \$ 557.06	248	Cust Cha \$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36								
200 205 14B Tublock Threshold \$0.3449 100 \$54.22 \$10.169 \$132.70 \$124.68 \$83.26 \$30.20 \$52.675 225 225 Summer: Liblock Stor.06 \$57.06 \$5																	
251 HB Threshold 100				\$101.69	\$132.70	\$124.68		\$30.20	\$526.75								
225 Summer: Cust. Chg \$57.06\$																	
258 Summer: Str.06 S57.06 S57.06 <td></td>																	
2255 Headblock \$0.3469 \$0.3149 \$0.3149 \$0.3149 \$0.3149 \$0.3149 \$0.3169 \$0.391 \$0.091		Summer:															
2255 Headblock \$0.3469 \$0.3149 \$0.3149 \$0.3149 \$0.3149 \$0.3149 \$0.3169 \$0.391 \$0.091	254	Cust Cha \$57.06								\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36	\$684.72
256 74 Taliblock \$0.3449 20 \$227 75 File Solution \$1.79 \$2.04 \$6.26 \$27.69 \$60.60 \$592.80 257 75 HB Threshold 20 \$1.831 \$2.888.81 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303																	
257 HB Threshold 20 258 Total Base Rate Amount \$158.16 \$205.63 \$236.64 \$228.62 \$187.20 \$134.14 \$1,150.39 256 COG Rate - (Winter) \$1.1831 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 \$1.203 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																	
258 259 250 250 250 250 250 250 250 250 250 250										+		• · · · •		+			
260 COG Rate - (Winter) \$1.1831 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.230	258																
221 COG Rate - (Winter) \$1.1831 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.2303 \$1.230	259	Total Base Rate Amount	\$158.16	\$205.63	\$236.64	\$228.62	\$187.20	\$134.14	\$1,150.39	\$88.72	\$72.44	\$68.23	\$68.48	\$72.69	\$94.12	\$464.67	\$1,615.06
222 COG amount - Winter \$322.02 \$500.37 \$616.89 \$586.73 \$431.12 \$231.76 \$2,688.88 \$1,2303 \$1,2	260		-														
263 264 COG Rate - (Summer) \$1.2303	261	COG Rate - (Winter) \$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831								
264 COG Rate - (Summer) \$1.2303 \$1.230	262	COG amount - Winter	\$322.02	\$500.37	\$616.89	\$586.73	\$431.12	\$231.76	\$2,688.88								
265 COG amount - Summer \$111.66 \$48.05 \$31.60 \$32.58 \$49.05 \$132.78 \$405.71 \$3,094.59 266 LDAC \$0.0991	263																
266 LDAC \$0.0991 <t< td=""><td>264</td><td>COG Rate - (Summer) \$1.2303</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$1.2303</td><td>\$1.2303</td><td>\$1.2303</td><td>\$1.2303</td><td>\$1.2303</td><td>\$1.2303</td><td>\$1.2303</td><td>\$1.1891</td></t<>	264	COG Rate - (Summer) \$1.2303								\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.1891
267 LDAC \$0.0991 <t< td=""><td></td><td>COG amount - Summer</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$111.66</td><td>\$48.05</td><td>\$31.60</td><td>\$32.58</td><td>\$49.05</td><td>\$132.78</td><td>\$405.71</td><td>\$3,094.59</td></t<>		COG amount - Summer								\$111.66	\$48.05	\$31.60	\$32.58	\$49.05	\$132.78	\$405.71	\$3,094.59
268 LDAC amount \$26.97 \$41.91 \$51.67 \$49.15 \$36.11 \$19.41 \$225.23 269 rotal Bill \$507.15 \$747.92 \$905.20 \$864.49 \$6654.43 \$385.31 \$4,064.49 \$209.37 \$124.35 \$102.37 \$103.68 \$125.69 \$237.60 \$903.06 \$4,967.56 270 Total Bill \$11.44 \$15.03 \$17.37 \$16.76 \$13.63 \$9.62 \$83.85 \$37.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$124.21 274 % Change 2.26% 2.01% 1.92% 1.94% 2.08% 2.50% 2.06% 3.76% 5.66% 5.61% 4.97% 3.54% 4.47% 2.50% 277 % Change \$13.67 \$18.49 \$21.65 \$20.83 \$10.249 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$8.87% 8.86% 8.89% 8.89% 8.86% <td></td>																	
269 Total Bill \$507.15 \$747.92 \$905.20 \$864.49 \$654.43 \$385.31 \$4,064.49 271 271 DIFFEENCE: 273 Total Bill \$11.44 \$15.03 \$17.37 \$16.76 \$13.63 \$9.62 \$83.85 \$37.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$124.21 274 % Change 2.26% 2.01% 1.92% 1.94% 2.08% 2.50% 2.06% 3.76% 5.00% 5.61% 4.97% 3.54% 4.47% 2.50% 276 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% 8.65%											\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	
270 Total Bill \$507.15 \$747.92 \$905.20 \$864.49 \$654.43 \$385.31 \$4,064.49 271 Total Bill 507.15 \$747.92 \$905.20 \$864.49 \$654.43 \$385.31 \$4,064.49 \$209.37 \$102.37 \$103.68 \$125.69 \$237.60 \$903.06 \$4,967.56 271 DiFFERNCE: 5 5 \$102.37 \$102.37 \$103.68 \$126.59 \$237.60 \$903.06 \$4,967.56 273 Total Bill \$11.44 \$15.03 \$17.37 \$16.76 \$13.63 \$9.62 \$83.85 \$376% \$5.09% \$5.68% \$6.24 \$8.42 \$40.36 \$124.21 274 % Change \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.44 \$8.42 \$40.36 \$142.85 277 % Change \$1.64% \$9.11% \$8.88% \$3.37% \$8.91% \$8.91% \$8.69% \$8.69% \$8.69% \$8.69% \$8.69% \$8.69% \$8.69% \$8.69% \$8.69% \$8.69% </td <td></td> <td>LDAC amount</td> <td>\$26.97</td> <td>\$41.91</td> <td>\$51.67</td> <td>\$49.15</td> <td>\$36.11</td> <td>\$19.41</td> <td>\$225.23</td> <td>\$8.99</td> <td>\$3.87</td> <td>\$2.55</td> <td>\$2.62</td> <td>\$3.95</td> <td>\$10.70</td> <td>\$32.68</td> <td>\$257.91</td>		LDAC amount	\$26.97	\$41.91	\$51.67	\$49.15	\$36.11	\$19.41	\$225.23	\$8.99	\$3.87	\$2.55	\$2.62	\$3.95	\$10.70	\$32.68	\$257.91
271 Difference: 273 Difference: 273 Total Bill \$11.44 \$15.03 \$17.37 \$16.76 \$13.63 \$9.62 \$83.85 274 % Change 2.26% 2.01% 1.92% 1.94% 2.08% 2.50% 2.06% 275 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 276 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% 8.49% 8.49% 8.49% 8.69% 8.69% 8.84% 278 COG & LDAC (\$2.23) (\$3.47) (\$4.07) (\$2.99)																	
272 DIFFERNCE: 273 Total Bill \$11.44 \$15.03 \$17.37 \$16.76 \$13.63 \$9.62 \$83.85 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$124.21 274 % Change 2.66% 2.01% 1.92% 1.94% 2.08% 2.06% 3.76% 5.00% 5.61% 4.97% 3.54% 4.47% 2.50% 276 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 \$14.285 277 % Change \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 \$142.85 277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% 8.86% 8.49% 8.49% 8.49% 8.49% 8.49% 8.69% 8.69% 8.84% 278 <td></td> <td>Total Bill</td> <td>\$507.15</td> <td>\$747.92</td> <td>\$905.20</td> <td>\$864.49</td> <td>\$654.43</td> <td>\$385.31</td> <td>\$4,064.49</td> <td>\$209.37</td> <td>\$124.35</td> <td>\$102.37</td> <td>\$103.68</td> <td>\$125.69</td> <td>\$237.60</td> <td>\$903.06</td> <td>\$4,967.56</td>		Total Bill	\$507.15	\$747.92	\$905.20	\$864.49	\$654.43	\$385.31	\$4,064.49	\$209.37	\$124.35	\$102.37	\$103.68	\$125.69	\$237.60	\$903.06	\$4,967.56
273 Total Bill \$11.44 \$15.03 \$17.37 \$16.76 \$13.63 \$9.62 \$83.85 274 % Change 2.26% 2.01% 1.92% 1.94% 2.08% 2.50% 2.06% 3.76% 5.00% 5.66% 5.61% 4.97% 3.54% 4.47% 2.50% 275 8ase Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$124.21 276 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change \$8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% \$8.87% 8.64% 8.49% 8.59% 8.69% 8.84% 278 COG & LDAC (\$2.23) (\$3.47) (\$4.07) (\$2.99) (\$1.61) (\$18.64) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>																	
274 % Change 2.6% 2.01% 1.92% 1.94% 2.08% 2.50% 2.06% 3.76% 5.00% 5.66% 5.61% 4.97% 3.54% 4.47% 2.50% 275 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 \$20.83 \$102.49 \$8.07% \$8.87% \$8.58% \$8.49% \$8.49% \$8.59% \$8.95% \$8.69% \$8.84% \$8.84% \$8.91% \$102.49 \$8.7% \$8.58% \$8.49% \$8.49% \$8.59% \$8.95% \$8.69% \$8.84% \$8.84% \$8.91% \$8.7% \$8.58% \$8.49% \$8.99% \$8.95% \$8.69% \$8.84% \$8.84% \$8.84% \$8.84% \$8.84% \$8.94% \$8.99% \$8.95% \$8.69% \$8.84% \$8.84% \$8.84% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95% \$8.95%																	
275 3 3 3 3 3 3 16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% 8.88% 8.87% 8.81% 8.49% 8.49% 8.49% 8.49% 8.99% 8.95% 8.69% 8.84% 278 279 COG & LDAC (\$2.23) (\$3.47) (\$4.07) (\$2.99) (\$1.61) (\$18.64) \$0.00 <td></td>																	
276 Base Rate \$13.67 \$18.49 \$21.65 \$20.83 \$16.62 \$11.23 \$102.49 \$7.87 \$6.22 \$5.79 \$5.82 \$6.24 \$8.42 \$40.36 \$142.85 277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% 8.87% 8.58% 8.49% <td></td> <td>% Change</td> <td>2.26%</td> <td>2.01%</td> <td>1.92%</td> <td>1.94%</td> <td>2.08%</td> <td>2.50%</td> <td>2.06%</td> <td>3.76%</td> <td>5.00%</td> <td>5.66%</td> <td>5.61%</td> <td>4.97%</td> <td>3.54%</td> <td>4.47%</td> <td>2.50%</td>		% Change	2.26%	2.01%	1.92%	1.94%	2.08%	2.50%	2.06%	3.76%	5.00%	5.66%	5.61%	4.97%	3.54%	4.47%	2.50%
277 % Change 8.64% 8.99% 9.15% 9.11% 8.88% 8.37% 8.91% 8.87% 8.58% 8.49% 8.59% 8.59% 8.69% 8.84% 1 278 279 COG & LDAC (\$2.23) (\$3.47) (\$4.28) (\$4.07) (\$2.99) (\$1.61) (\$18.64) \$0.00 \$0.																	
1 278 279 COG & LDAC (\$2.23) (\$3.47) (\$4.28) (\$4.07) (\$2.99) (\$1.61) (\$18.64) \$0.00																	
279 COG & LDAC (\$2.23) (\$3.47) (\$4.28) (\$4.07) (\$2.99) (\$1.61) (\$18.64) \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 (\$18.64)		% Change	8.64%	8.99%	9.15%	9.11%	8.88%	8.37%	8.91%	8.87%	8.58%	8.49%	8.49%	8.59%	8.95%	8.69%	8.84%
280 % Change -0.64% -0.64% -0.64% -0.64% 0.00%																	
	280	% Change	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.56%

015

016

Docket No. DG 20-105 Attachment CAM-2 (Revised) Page 5 of 10

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 Winter Season (Jan. - Apr., Nov. - Dec.)

 282
 Commercial/Industrial - Medium Annual Use, High Winter Use (G-42)

283	PROPOSED							
284		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter
285	average Usage (Therms)	2,568	3,796	4,442	4,284	3,296	2,004	20,390
286								
287	Winter:							
288	Cust. Chg \$186.03	\$186.03	\$186.03	\$186.03	\$186.03	\$186.03	\$186.03	\$1,116.18
289	Headblock \$0.4558	\$455.80	\$455.80	\$455.80	\$455.80	\$455.80	\$455.80	\$2,734.80
290	Tailblock \$0.3136	\$491.64	\$876.94	\$1,079.55	\$1,029.75	\$719.89	\$315.01	\$4,512.78
291	HB Threshold 1,000							
292								
293	Summer:							
294	Cust. Chg \$186.03							
295	Headblock \$0.4558							
296	Tailblock \$0.3136							
297	HB Threshold 400							
298								
299	Total Base Rate Amount	\$1,133.47	\$1,518.77	\$1,721.38	\$1,671.58	\$1,361.72	\$956.84	\$8,363.76
300								
301	COG Rate - (Winter) \$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749
302	COG amount - Winter	\$3,016.82	\$4,460.34	\$5,219.44	\$5,032.85	\$3,871.96	\$2,355.09	\$23,956.50
303								
304	COG Rate - (Summer) \$1.2303							
305	COG amount - Summer							
306								
307	LDAC \$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
308	LDAC amount	\$254.46	\$376.22	\$440.25	\$424.51	\$326.59	\$198.65	\$2,020.67
309								
310	Total Bill	\$4,404.76	\$6,355.33	\$7,381.07	\$7,128.94	\$5,560.27	\$3,510.57	\$34,340.94

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-22	Jun-22	Feb-00	Aug-21	Sep-21	Oct-21	Dec-00	685
1,039	507	4,284	368	548	1,203	7,948	28,338
\$186.03	\$186.03	\$186.03	\$186.03	\$186.03	\$186.03	\$1,116.18	\$2,232.36
\$182.32	\$182.32	\$182.32	\$167.84	\$182.32	\$182.32	\$1,079.44	\$3,814.24
\$200.41	\$33.44	\$1,217.91	\$0.00	\$46.26	\$251.81	\$1,749.84	\$6,262.62
\$568.76	\$401.79	\$1,586.26	\$353.87	\$414.61	\$620.16	\$3,945.45	\$12,309.22
\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.1904
\$1,278.36	\$623.33	\$5,270.16	\$453.03	\$673.62	\$1,480.00	\$9,778.50	\$33,735.00
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$102.97	\$50.21	\$424.51	\$36.49	\$54.26	\$119.21	\$787.65	\$2,808.33
\$1.950.09	\$1.075.33	\$7.280.93	\$843.39	\$1,142.50	\$2,219.37	\$14,511.60	\$48,852.54

311 Winter Season (Jan. - Apr., Nov. - Dec.) 312 Commercial/Industrial - Medium Annual Use, High Winter Use (G-42)

	Commercial/Industrial - Medium Annual Use,	, пign w	inter use (G	·42)													
313	CURRENT																
314			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Feb-00	Aug-21	Sep-21	Oct-21	Dec-00	685
315	average Usage (Therms)	Γ	2,568	3,796	4,442	4,284	3,296	2,004	20,390	1,039	507	4,284	368	548	1,203	7,948	28,338
316																	
317	Winter:																
318	Cust. Chg \$	171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$1,027.14								
319	Headblock \$	0.4261	\$426.10	\$426.10	\$426.10	\$426.10	\$426.10	\$426.10	\$2,556.60								
320	Tailblock \$	0.2839	\$445.08	\$793.89	\$977.31	\$932.23	\$651.71	\$285.18	\$4,085.39								
321	HB Threshold	1,000															
322																	
323	Summer:																
324	Cust. Chg \$	171.19								\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$1,027.14	\$2,054.28
325	Headblock \$	0.4261								\$170.44	\$170.44	\$170.44	\$156.90	\$170.44	\$170.44	\$1,009.10	\$3,565.70
326	Tailblock \$	0.2839								\$181.43	\$30.28	\$1,102.57	\$0.00	\$41.88	\$227.96	\$1,584.12	\$5,669.51
327	HB Threshold	400															
328																	
329	Total Base Rate Amount		\$1,042.37	\$1,391.18	\$1,574.60	\$1,529.52	\$1,249.00	\$882.47	\$7,669.13	\$523.06	\$371.91	\$1,444.20	\$328.09	\$383.51	\$569.59	\$3,620.36	\$11,289.49
330																	
331		1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831								
	COG amount - Winter		\$3,037.88	\$4,491.47	\$5,255.87	\$5,067.98	\$3,898.98	\$2,371.52	\$24,123.70								
333																	
		1.2303								\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.1963
335	COG amount - Summer									\$1,278.36	\$623.33	\$5,270.16	\$453.03	\$673.62	\$1,480.00	\$9,778.50	\$33,902.20
336																	
		0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
338	LDAC amount		\$254.46	\$376.22	\$440.25	\$424.51	\$326.59	\$198.65	\$2,020.67	\$102.97	\$50.21	\$424.51	\$36.49	\$54.26	\$119.21	\$787.65	\$2,808.33
339																	
340	Total Bill		\$4,334.71	\$6,258.87	\$7,270.72	\$7,022.00	\$5,474.58	\$3,452.64	\$33,813.51	\$1,904.39	\$1,045.44	\$7,138.87	\$817.61	\$1,111.40	\$2,168.80	\$14,186.51	\$48,000.01
341	DIFFEDENCE																
	DIFFERENCE:								A-0- (A	A 45 50						AAA - 4A	A050 50
	Total Bill % Change		\$70.05 1.62%	\$96.46 1.54%	\$110.35	\$106.94	\$85.69 1.57%	\$57.94 1.68%	\$527.43	\$45.70 2.40%	\$29.89 2.86%	\$142.06 1.99%	\$25.78	\$31.10 2.80%	\$50.57 2.33%	\$325.10	\$852.53 1.78%
344	% Change		1.62%	1.54%	1.52%	1.52%	1.57%	1.68%	1.56%	2.40%	2.86%	1.99%	3.15%	2.80%	2.33%	2.29%	1.78%
345	Base Bate		¢04.40	\$407 FO	¢440.70	¢140.00	¢440.70	¢74.07	\$004.00	¢ 45 70	¢00.00	£4.40.00	¢05 70	604 40	* 50.57	\$205 40	¢4.040.70
	Base Rate % Change		\$91.10 8.74%	\$127.59 9.17%	\$146.78	\$142.06	\$112.72	\$74.37 8.43%	\$694.63 9.06%	\$45.70 8.74%	\$29.89 8.04%	\$142.06 9.84%	\$25.78 7.86%	\$31.10 8.11%	\$50.57	\$325.10 8.98%	\$1,019.73
347 348 a	% Change		8.74%	9.17%	9.32%	9.29%	9.02%	8.43%	9.00%	8.74%	8.04%	9.84%	1.80%	8.11%	8.88%	8.98%	9.03%
	COG & LDAC		(\$21.06)	(\$31.13)	(\$36.43)	(\$35.13)	(\$27.02)	(\$16.44)	(\$167.20)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$167.20)
			(\$21.06) -0.64%							\$0.00 0.00%	\$0.00 0.00%			\$0.00 0.00%	\$0.00 0.00%	\$0.00 0.00%	-0.46%
350	% Change		-0.04%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.46%

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Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 Winter Season (Jan. - Apr., Nov. - Dec.)

 352
 Commercial/Industrial - High Annual Use, High Winter Use (G-43)

353	PROPOSED							
354	FROFOSED	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
355	average Usage (Therms)	23.661	31,955	31,276	29,903	24,765	17,078	158,638
356	aronago obago (monito)	20,001	01,000	01,210	20,000	21,700	,010	100,000
	Winter:							
358	Cust. Chg \$796.32	\$796.32	\$796.32	\$796.32	\$796.32	\$796.32	\$796.32	\$4,777.92
359	Headblock \$0.2814	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
360	Tailblock \$0.2814	\$6,658.24	\$8,992.19	\$8,801.03	\$8,414.59	\$6,968.88	\$4,805.75	\$44,640.67
361	HB Threshold -							+,
362								
363	Summer:							
364	Cust. Chg \$796.32							
365	Headblock \$0.1392							
366	Tailblock \$1.3920							
367	HB Threshold -							
368								
369	Total Base Rate Amount	\$7,454.56	\$9,788.51	\$9,597.35	\$9,210.91	\$7,765.20	\$5,602.07	\$49,418.59
370								
371	COG Rate - (Winter) \$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749	\$1.1749
372	COG amount - Winter	\$27,799.47	\$37,544.14	\$36,746.00	\$35,132.55	\$29,096.42	\$20,064.96	\$186,383.54
373								
374	COG Rate - (Summer) \$1.2303							
375	COG amount - Summer							
376								
	LDAC \$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
378	LDAC amount	\$2,344.82	\$3,166.76	\$3,099.44	\$2,963.35	\$2,454.21	\$1,692.43	\$15,721.01
379								
380	Total Bill	\$37,598.85	\$50,499.41	\$49,442.78	\$47,306.80	\$39,315.83	\$27,359.46	\$251,523.14

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
11,030	6,524	5,278	6,059	7,044	12,595	48,531	207,169
\$796.32	\$796.32	\$796.32	\$796.32	\$796.32	\$796.32	\$4.777.92	\$9,555.84
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$15,353.28	\$9,081.89	\$7,347.09	\$8,434.41	\$9,805.90	\$17,532.37	\$67,554.95	\$112,195.6
\$16,149.60	\$9,878.21	\$8,143.41	\$9,230.73	\$10,602.22	\$18,328.69	\$72,332.87	\$121,751.4
\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.1879
\$13,569.79	\$8,026.90	\$6,493.63	\$7,454.64	\$8,666.81	\$15,495.75	\$59,707.51	\$246,091.0
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$1,093.04	\$646.56	\$523.06	\$600.47	\$698.11	\$1,248.17	\$4,809.41	\$20,530.4
\$30.812.43	\$18,551.67	\$15,160.09	\$17,285.84	\$19,967.13	\$35,072.61	\$136,849.78	\$388,372.9

Winter Season (Jan. - Apr., Nov. - Dec.)
 Commercial/Industrial - High Annual Use, High Winter Use (G-43)

382	Commercial/Industrial - High Annual Use, Hig	gh Wint	er Use (G-43)														
383	CURRENT																
384			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-23	Aug-21	Sep-21	Oct-21	Summer	Total
385	average Usage (Therms)		23,661	31,955	31,276	29,903	24,765	17,078	158,638	11,030	6,524	5,278	6,059	7,044	12,595	48,531	207,169
386																	
387	Winter:																
388	Cust. Chg \$7	734.69	\$734.69	\$734.69	\$734.69	\$734.69	\$734.69	\$734.69	\$4,408.14								
389		0.2620	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
390		0.2620	\$6,199.22	\$8,372.26	\$8,194.27	\$7,834.48	\$6,488.43	\$4,474.44	\$41,563.10								
391	HB Threshold	_															
392																	
393	Summer:																
394	Cust. Chg \$7	734.69								\$734.69	\$734.69	\$734.69	\$734.69	\$734.69	\$734.69	\$4,408.14	\$8,816.28
395		0.1198								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
396	Tailblock \$0	0.1198								\$1,321.35	\$781.62	\$632.31	\$725.89	\$843.93	\$1,508.89	\$5,814.00	\$47,377.10
397	HB Threshold	-															
398																	
399	Total Base Rate Amount		\$6,933.91	\$9,106.95	\$8,928.96	\$8,569.17	\$7,223.12	\$5,209.13	\$45,971.24	\$2,056.04	\$1,516.31	\$1,367.00	\$1,460.58	\$1,578.62	\$2,243.58	\$10,222.14	\$56,193.38
400																	
401	COG Rate - (Winter) \$7	1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831	\$1.1831								
402	COG amount - Winter		\$27,993.49	\$37,806.18	\$37,002.46	\$35,377.75	\$29,299.49	\$20,205.00	\$187,684.37								
403																	
404	COG Rate - (Summer) \$7	1.2303								\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.2303	\$1.1942
405	COG amount - Summer									\$13,569.79	\$8,026.90	\$6,493.63	\$7,454.64	\$8,666.81	\$15,495.75	\$59,707.51	\$247,391.88
406																	
407		0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
408	LDAC amount		\$2,344.82	\$3,166.76	\$3,099.44	\$2,963.35	\$2,454.21	\$1,692.43	\$15,721.01	\$1,093.04	\$646.56	\$523.06	\$600.47	\$698.11	\$1,248.17	\$4,809.41	\$20,530.41
409																	
	Total Bill		\$37,272.22	\$50,079.88	\$49,030.86	\$46,910.27	\$38,976.83	\$27,106.56	\$249,376.62	\$16,718.87	\$10,189.77	\$8,383.69	\$9,515.69	\$10,943.53	\$18,987.50	\$74,739.05	\$324,115.67
411	DIFFERENCE:																
	Total Bill		\$326.63	\$419.53	\$411.92	\$000 F4	6000.00	\$252.90	60 4 40 50	\$14,093.56	£0.004.00	AC 770 44	AT 770 45	£0.000.00	640.005.44	600 440 70	\$04 0F7 0F
			\$326.63 0.88%	\$419.53 0.84%	\$411.92 0.84%	\$396.54 0.85%	\$339.00 0.87%	\$252.90 0.93%	\$2,146.52 0.86%	\$14,093.56 84.30%	\$8,361.90 82.06%	\$6,776.41 80.83%	\$7,770.15 81.66%	\$9,023.60 82.46%	\$16,085.11 84.71%	\$62,110.73 83.10%	\$64,257.25 19.83%
414	% Change		0.00%	0.64%	0.04%	0.05%	0.07%	0.93%	0.00%	04.30%	02.00%	00.03%	01.00%	02.40%	04.71%	03.10%	19.03%
	Base Rate		\$520.66	\$681.56	\$668.38	\$641.74	\$542.07	\$392.94	\$3.447.35	\$14,093.56	\$8.361.90	\$6,776.41	\$7,770.15	\$9,023.60	\$16,085.11	\$62,110.73	\$65,558.08
	% Change		320.00 7.51%	7.48%	7.49%	7.49%	7.50%	7.54%	7.50%	685.47%	551.47%	495.71%	531.99%	571.61%	716.94%	607.61%	116.67%
417 J 418	// Unange		1.5170	1.40/0	1.43/0	1.43/0	7.50%	1.34 /0	1.50 /0	000.47 70	331.47 /0	495.7170	331.99/0	5/1.01/0	/ 10.94 /0	007.0170	110.07 /0
	COG & LDAC		(\$194.02)	(\$262.03)	(\$256.46)	(\$245.20)	(\$203.07)	(\$140.04)	(\$1,300.83)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$1,300.83)
	% Change		-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.49%
	··· -·····g-		0.0170	0.01/3	0.0175	0.01.0	0.01/0	0.0175	0.0170	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.1070

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Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 421
 Winter Season (Jan. - Apr., Nov. - Dec.)

 422
 Commercial/Industrial - Low Annual Use, Low Winter Use (G-51)

423	PROPOSED							
424		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
425	average Usage (Therms)	279	339	379	366	317	261	1,942
426								
427	Winter:							
428	Cust. Chg \$62.08	\$62.08	\$62.08	\$62.08	\$62.08	\$62.08	\$62.08	\$372.48
429	Headblock \$0.3020	\$30.20	\$30.20	\$30.20	\$30.20	\$30.20	\$30.20	\$181.20
430	Tailblock \$0.2034	\$36.48	\$48.64	\$56.84	\$54.10	\$44.16	\$32.80	\$273.02
431	HB Threshold 100							
432								
433	Summer:							
434	Cust. Chg \$62.08	3						
435	Headblock \$0.3020							
436	Tailblock \$0.2034	1						
437	HB Threshold 100							
438								
439	Total Base Rate Amount	\$128.76	\$140.92	\$149.12	\$146.38	\$136.44	\$125.08	\$826.70
440								
441	COG Rate - (Winter) \$1.1732		\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732
442	COG amount - Winter	\$327.72	\$397.90	\$445.15	\$429.34	\$372.04	\$306.51	\$2,278.66
443								
444	COG Rate - (Summer) \$1.2284	1						
445	COG amount - Summer							
446								
447	LDAC \$0.099		\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
448	LDAC amount	\$27.68	\$33.61	\$37.60	\$36.27	\$31.43	\$25.89	\$192.48
449			A 10				·· ··	
450	Total Bill	\$484.16	\$572.43	\$631.87	\$611.98	\$539.91	\$457.48	\$3,297.84

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
225	194	173	191	195	212	1,190	3,133
\$62.08	\$62.08	\$62.08	\$62.08	\$62.08	\$62.08	\$372.48	\$744.96
\$30.20	\$30.20	\$30.20	\$30.20	\$30.20	\$30.20	\$181.20	\$362.40
\$25.40	\$19.20	\$14.85	\$18.54	\$19.36	\$22.73	\$120.09	\$393.10
\$117.68	\$111.48	\$107.13	\$110.82	\$111.64	\$115.01	\$673.77	\$1,500.46
\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.1942
\$276.25	\$238.79	\$212.50	\$234.83	\$239.79	\$260.12	\$1,462.28	\$3,740.9
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$22.29	\$19.26	\$17.14	\$18.94	\$19.34	\$20.98	\$117.97	\$310.45
\$416.22	\$369.54	\$336.77	\$364.60	\$370.77	\$396.11	\$2.254.02	\$5,551.86

451 Winter Season (Jan. - Apr., Nov. - Dec.) 452 Commercial/Industrial - Low Annual Use, Low Winter Use (G-51)

6 CVRRENT Nov.21 Jun.22 Jun.22 Apr.22 Winter 466 Average Usage (Therms) 279 339 379 366 317 201 1,942 467 Marrier 507.06 557.0	452		ter Use (G-51)														
456 average Usage (Therms) 279 339 379 366 317 261 1.942 456 Wints: 457 557.06 557.06 557.06 557.06 557.06 5342.36 456 Cust. Chg 50.2119 528.18 538.24.85 510.	453	CURRENT															
467 Winer: 557.06 <td>454</td> <td></td> <td>Nov-21</td> <td>Dec-21</td> <td>Jan-22</td> <td>Feb-22</td> <td>Mar-22</td> <td>Apr-22</td> <td>Winter</td> <td>May-22</td> <td>Jun-22</td> <td>Jul-23</td> <td>Aug-21</td> <td>Sep-21</td> <td>Oct-21</td> <td>Summer</td> <td>Total</td>	454		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-23	Aug-21	Sep-21	Oct-21	Summer	Total
4	455	average Usage (Therms)	279	339	379	366	317	261	1,942	225	194	173	191	195	212	1,190	3,133
4 56 4 56 4 56 4 56 4 56 4 56 5 0 58 5 0 50 1 58 5 2 6 1 58 5 7 0 6 5 57 0 6 5	456																
4 headbook 50 2819 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.19 528.50 527.06 55	457	Winter:															
460 Taiblock \$0.1833 \$32.87 \$43.84 \$51.22 \$48.75 \$39.80 \$29.56 \$246.04 461 HTmeshold 100 100 527.16 \$57.06 <th< td=""><td>458</td><td>Cust. Chg \$57.06</td><td>\$57.06</td><td>\$57.06</td><td>\$57.06</td><td>\$57.06</td><td>\$57.06</td><td>\$57.06</td><td>\$342.36</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	458	Cust. Chg \$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$57.06	\$342.36								
461 462 464 464 465 100 His Threshold 100 464 466 100 His Threshold 100 466 100 His Threshold 100 466 His Threshold 100 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 557.06 528.19 528.12 51.2284 51.2284 51.2284 51.2284 <th< td=""><td>459</td><td>Headblock \$0.2819</td><td>\$28.19</td><td>\$28.19</td><td>\$28.19</td><td>\$28.19</td><td>\$28.19</td><td>\$28.19</td><td>\$169.14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	459	Headblock \$0.2819	\$28.19	\$28.19	\$28.19	\$28.19	\$28.19	\$28.19	\$169.14								
462 463 464 465 466 466 466 466 466 466 466 466	460		\$32.87	\$43.84	\$51.22	\$48.75	\$39.80	\$29.56	\$246.04								
463 Summer: 557.06 S57.06 S57.06 <td></td> <td>HB Threshold 100</td> <td></td>		HB Threshold 100															
464 Coat. Chg \$57.06																	
465 Headblock \$0.2819 \$28.19																	
466 476 476 477 Tailblock \$0.1833 100 \$118.12 \$12.09 \$136.47 \$134.00 \$125.05 \$114.81 \$757.54 \$108.14 \$102.70 \$105.73 \$619.72 \$1,377.26 470 470 COG Rate - (Winter) \$1.1814 \$1.284 \$1.2284 \$1.482.28 \$3.10.45 476 COG amount - Winter \$2.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991<																	
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468 Total Base Rate Amount \$118.12 \$129.09 \$136.47 \$136.40 \$125.05 \$114.81 \$757.54 469 COG Rate - (Winter) \$1.1814 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.462.28 \$3.0.91 \$0.										\$22.89	\$17.30	\$13.38	\$16.71	\$17.45	\$20.48	\$108.22	\$354.26
469 Total Base Rate Amount \$118.12 \$129.09 \$136.47 \$134.00 \$125.05 \$114.81 \$757.54 477 COG Rate - (Winter) \$1.1814 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284		HB Threshold 100															
470 Annum Finance <																	
471 COG Rate - (Winter) \$1.1814 COG amount - Winter \$1.1814 \$330.01 \$1.1814 \$448.26 \$1.1814 \$448.26 \$1.1814 \$448.26 \$1.1814 \$374.64 \$1.1814 \$308.65 \$1.1814 \$2.294.59 \$1.284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.2284 \$1.462.28 \$1.2284 \$1.462.28 \$1.2284 \$1.462.28 \$1.2284 \$1.462.28 \$1.2284 \$1.462.28 \$1.2284 \$1.462.28 \$3.766.87 477 LDAC S0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.0991 \$0.099		Total Base Rate Amount	\$118.12	\$129.09	\$136.47	\$134.00	\$125.05	\$114.81	\$757.54	\$108.14	\$102.55	\$98.63	\$101.96	\$102.70	\$105.73	\$619.72	\$1,377.26
472 COG amount - Winter \$330.01 \$400.68 \$448.26 \$432.34 \$374.64 \$308.65 \$2,294.59 473 COG Rate - (Summer) \$1.2284 \$1.462.28 \$3.766.87 477 LDAC \$0.0991		000 Data (Mistar)	64 4044	64 4044	£4.4044	¢4 4044	¢4 4044	¢4 4044	¢1 1011								
473 474 COG Rate - (Summer) 475 \$1.2284 \$1.462.28 \$3.758.87 \$3.758.87 \$3.758.87 \$3.0991 \$0.0991																	
474 COG Rate - (Summer) \$1.2284 \$1.228		COG allount - Wilter	\$330.01	φ400.08	φ440.20	φ 4 32.34	φ374.04	\$308.05	φ2,294.39								
475 476 476 476 476 476 477 LDAC COG amount - Summer 476 476 LDAC amount \$0.0991 \$0.		COG Rate - (Summer) \$1 228/	1							\$1 2284	\$1 2284	\$1 2284	\$1 2284	\$1 2284	\$1 2284	\$1 2284	\$1 1993
476 477 478 477 478 480 LDAC LDAC amount \$0.0991 \$27.68 \$0.0991 \$33.61 \$0.0991 \$36.27 \$0.0991 \$31.43 \$0.0991 \$25.89 \$0.0991 \$192.48 \$0.0991 \$192.48 \$0.0991 \$192.48 \$0.0991 \$12.29 \$0.0991 \$17.14 \$0.0991 \$18.94 \$0.0991 \$18.94 \$0.0991 \$22.29 \$0.0991 \$18.94 \$0.0991 \$22.29 \$0.0991 \$17.14 \$0.0991 \$18.94 \$0.0991 \$22.29 \$0.0991 \$12.27 \$0.0991 \$22.29 \$0.0991 \$12.27 \$0.0991 \$22.29 \$0.0991 \$12.27 \$0.0991 \$22.29 \$0.0991 \$12.27 \$0.0991 \$22.29 \$0.0991 \$12.27 \$0.0991 \$22.29 \$0.0991 \$12.27 \$0.091 \$22.29 \$0.091 \$12.35% \$0.0991 \$12.27 \$0.091 \$22.29 \$0.00			·														
477 LDAC \$0.0991 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ψ270.20</td><td><i>\</i>200.70</td><td><i>4212.00</i></td><td>¢201.00</td><td>¢200.70</td><td>\$200.12</td><td>\$1,10<u>2</u>.20</td><td>\$0,700.07</td></t<>										ψ 2 70.20	<i>\</i> 200.70	<i>4212.00</i>	¢201.00	¢200.70	\$200.12	\$1,10 <u>2</u> .20	\$0,700.07
478 479 470 479 480 LDAC amount \$27.68 \$33.61 \$37.60 \$36.27 \$31.43 \$25.89 \$192.48 \$22.29 \$19.26 \$17.14 \$18.94 \$19.34 \$20.98 \$117.97 \$310.45 479 480 Total Bill \$475.82 \$563.37 \$622.33 \$602.61 \$531.12 \$449.35 \$3,244.61 \$406.68 \$360.61 \$328.27 \$355.73 \$361.83 \$386.84 \$2,199.97 \$5,444.58 481 Difference: Bill \$6.33 \$1.61% 1.56% 1.66% 1.81% 1.64% \$53.23 \$50.51 \$2.48% \$2.9% \$2.49% \$2.47% \$2.40% \$2.46% \$10.728 483 Total Bill \$6.33 \$11.84 \$12.65 \$12.38 \$11.39 \$10.27 \$69.16 \$9.54 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$123.21 486 \$0.06 \$0.07% 9.17% 9.27% 9.24% 9.11% 8.95% 9.13% 8.82% 8.71% 8.82% 8.93% 8.71% 8.72% 8.92% 8.72% 8.92% 8.92% </td <td></td> <td></td> <td>\$0.0991</td>			\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
479 480 Total Bill \$475.82 \$563.37 \$622.33 \$602.61 \$531.12 \$449.35 \$3,244.61 481 DIFFERENCE: 483 Total Bill \$8.34 \$9.06 \$9.54 \$9.37 \$8.79 \$8.13 \$53.23 \$6.60 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$107.28 483 Total Bill \$6.63 \$10.63 \$11.84 \$12.65 \$12.38 \$11.39 \$10.27 \$69.16 \$9.54 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$12.321 486 487 % Change \$10.63 \$11.84 \$12.65 \$12.38 \$11.39 \$10.27 \$69.16 \$9.54 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$12.321 487 % Change 9.00% 9.17% 9.24% 9.11% 8.95% 9.13% \$8.60 \$8.94 \$9.28 \$54.05 \$12.321 488 GOG & LDAC (\$2.29) (\$2.78) (\$3.11) (\$3.00) (\$2.60) (\$2.14) (\$15.93) \$0.00 \$0.00																	
481 482 DIFFERENCE: 483 Total Bill 484 % Change 485 1.75% 486 1.75% 487 1.66% 488 % Change 489 % Change 900% 9.17% 9.00% 9.17% 9.00% 9.17% 9.00% 9.17% 9.27% 9.24% 9.11% 8.95% 9.13% \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	479																
482 DIFFERENCE: 483 Total Bill \$8.34 \$9.06 \$9.54 \$9.37 \$8.79 \$8.13 \$53.23 \$9.54 \$8.93 \$8.60 \$8.86 \$8.94 \$9.28 \$54.05 \$107.28 483 Total Bill 1.56% 1.66% 1.81% 1.64% 2.35% 2.48% 2.59% 2.49% 2.47% 2.40% 2.46% 1.97% 486 Base Rate \$10.63 \$11.84 \$12.65 \$12.38 \$11.39 \$10.27 \$69.16 \$9.54 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$12.321 487 % Change 9.00% 9.17% 9.24% 9.11% 8.95% 9.13% \$0.00 \$	480	Total Bill	\$475.82	\$563.37	\$622.33	\$602.61	\$531.12	\$449.35	\$3,244.61	\$406.68	\$360.61	\$328.27	\$355.73	\$361.83	\$386.84	\$2,199.97	\$5,444.58
483 Total Bill \$8.34 \$9.06 \$9.54 \$9.37 \$8.79 \$8.13 \$53.23 484 % Change 1.75% 1.61% 1.53% 1.56% 1.66% 1.81% 1.64% 2.35% 2.48% 2.59% 2.49% 2.47% 2.40% 2.46% 1.97% 485 486 % Change \$10.63 \$11.84 \$12.65 \$12.38 \$10.27 \$69.16 \$9.54 \$8.80 \$8.80 \$8.94 \$9.28 \$54.05 \$12.321 487 % Change 9.00% 9.17% 9.27% 9.24% 9.11% 8.95% 9.13% \$8.80 \$8.80 \$8.94 \$9.28 \$54.05 \$12.321 488 489 COG & LDAC (\$2.29) (\$2.78) (\$3.11) (\$3.00) (\$2.60) (\$2.14) (\$15.93) \$0.00	481																
484 % Change 1.75% 1.61% 1.53% 1.56% 1.81% 1.64% 2.35% 2.48% 2.59% 2.49% 2.47% 2.40% 2.46% 1.97% 485 486 Base Rate \$10.63 \$11.84 \$12.65 \$12.38 \$11.39 \$10.27 \$69.16 \$9.54 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$12.31 487 % Change 9.00% 9.17% 9.27% 9.24% 9.11% 8.95% 9.13% 8.82% 8.71% 8.62% 8.69% 8.71% 8.77% 8.72% 8.95% 489 COG & LDAC (\$2.29) (\$2.78) (\$3.11) (\$3.00) (\$2.60) (\$2.14) (\$15.93) \$0.00 <	482																
485 -																	
486 Base Rate \$10.63 \$11.84 \$12.65 \$12.38 \$11.39 \$10.27 \$69.16 \$9.54 \$8.93 \$8.50 \$8.86 \$8.94 \$9.28 \$54.05 \$12.31 9 487 % Change 9.00% 9.17% 9.27% 9.24% 9.11% 8.95% 9.13% 8.82% 8.71% 8.62% 8.69% 8.71% 8.72% 8.93% 488 489 Cog & LDAC (\$2.29) (\$2.78) (\$3.11) (\$3.00) (\$2.60) (\$2.14) (\$15.93) \$0.00		% Change	1.75%	1.61%	1.53%	1.56%	1.66%	1.81%	1.64%	2.35%	2.48%	2.59%	2.49%	2.47%	2.40%	2.46%	1.97%
Q 487 % Change 9.00% 9.17% 9.27% 9.24% 9.11% 8.95% 9.13% 8.82% 8.71% 8.62% 8.69% 8.71% 8.77% 8.72% 8.95% 489 COG & LDAC (\$2.29) (\$2.78) (\$3.11) (\$3.00) (\$2.60) (\$2.14) (\$15.93) \$0.00 </td <td></td> <td></td> <td>1</td> <td></td>			1														
²																	
489 COG & LDAC (\$2.29) (\$2.78) (\$3.11) (\$3.00) (\$2.60) (\$2.14) (\$15.93) \$0.00		% Change	9.00%	9.17%	9.27%	9.24%	9.11%	8.95%	9.13%	8.82%	8.71%	8.62%	8.69%	8.71%	8.77%	8.72%	8.95%
49U % Change -0.64% -0.64% -0.64% -0.64% -0.64% -0.64% -0.64% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% -0.39%																	
	490	% Change	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.39%

019

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Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 491
 Winter Season (Jan. - Apr., Nov. - Dec.)

 492
 Commercial/Industrial - Medium Annual Use, Low Winter Use (G-52)

493	PROPOSED							
494		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
495	average Usage (Therms)	2,236	2,594	2,953	2,830	2,492	2,049	15,155
496								
497	Winter:							
498	Cust. Chg \$185.80	\$185.80	\$185.80	\$185.80	\$185.80	\$185.80	\$185.80	\$1,114.80
499	Headblock \$0.2602	\$260.20	\$260.20	\$260.20	\$260.20	\$260.20	\$260.20	\$1,561.20
500	Tailblock \$0.1791	\$221.35	\$285.50	\$349.80	\$327.83	\$267.26	\$187.84	\$1,639.58
501	HB Threshold 1,000							
502								
503	Summer:							
504	Cust. Chg \$185.80							
505	Headblock \$0.1933							
506	Tailblock \$0.1174							
507	HB Threshold 1,000							
508								
509	Total Base Rate Amount	\$667.35	\$731.50	\$795.80	\$773.83	\$713.26	\$633.84	\$4,315.58
510								
511	COG Rate - (Winter) \$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732
512	COG amount - Winter	\$2,623.18	\$3,043.39	\$3,464.57	\$3,320.63	\$2,923.92	\$2,403.63	\$17,779.32
513								
514	COG Rate - (Summer) \$1.2284							
515	COG amount - Summer							
516								
517	LDAC \$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
518	LDAC amount	\$221.58	\$257.07	\$292.65	\$280.49	\$246.98	\$203.03	\$1,501.82
519								
520	Total Bill	\$3,512.11	\$4,031.97	\$4,553.02	\$4,374.95	\$3,884.16	\$3,240.50	\$23,596.72

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
1,655	1,433	1,349	1,430	1,501	1,720	9,088	24,242
\$185.80	\$185.80	\$185.80	\$185.80	\$185.80	\$185.80	\$1,114.80	\$2,229.6
\$193.30	\$193.30	\$193.30	\$193.30	\$193.30	\$193.30	\$1,159.80	\$2,721.0
\$76.95	\$50.82	\$41.01	\$50.48	\$58.78	\$84.48	\$362.51	\$2,002.0
\$456.05	\$429.92	\$420.11	\$429.58	\$437.88	\$463.58	\$2,637.11	\$6,952.6
\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.1939
\$2,033.51	\$1,760.13	\$1,657.52	\$1,756.60	\$1,843.40	\$2,112.31	\$11,163.47	\$28,942.
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$164.05	\$142.00	\$133.72	\$141.71	\$148.71	\$170.41	\$900.60	\$2,402.4
\$2.653.61	\$2.332.04	\$2,211.35	\$2.327.90	\$2,429.99	\$2,746.29	\$14,701.19	\$38,297.9

521 Winter Season (Jan. - Apr., Nov. - Dec.) 522 Commercial/Industrial - Medium Annual Use, Low Winter Use (G-52)

522	Commercial/Industrial - Medium Annual Use, L	OW W	inter Use (G-	52)													
523	CURRENT																
524			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-23	Aug-21	Sep-21	Oct-21	Summer	Total
525	average Usage (Therms)		2,236	2,594	2,953	2,830	2,492	2,049	15,155	1,655	1,433	1,349	1,430	1,501	1,720	9,088	24,242
526																	
527	Winter:																
528	Cust. Chg \$17	71.19	\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$1.027.14								
529		2428	\$242.80	\$242.80	\$242.80	\$242.80	\$242.80	\$242.80	\$1,456,80								
530	Tailblock \$0.*	1617	\$199.85	\$257.76	\$315.82	\$295.98	\$241.30	\$169.59	\$1,480.29								
531	HB Threshold 1,	000															
532																	
533	Summer:																
534	Cust. Chg \$17	71.19								\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$171.19	\$1,027.14	\$2,054.28
535		1749								\$174.90	\$174.90	\$174.90	\$174.90	\$174.90	\$174.90	\$1,049.40	\$2,506.20
536	Tailblock \$0.*	1000								\$65.54	\$43.29	\$34.93	\$43.00	\$50.07	\$71.96	\$308.78	\$1,789.07
537	HB Threshold 1,	000															
538																	
539	Total Base Rate Amount		\$613.84	\$671.75	\$729.81	\$709.97	\$655.29	\$583.58	\$3,964.23	\$411.63	\$389.38	\$381.02	\$389.09	\$396.16	\$418.05	\$2,385.32	\$6,349.55
540																	
541	COG Rate - (Winter) \$1.7	1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732								
542	COG amount - Winter		\$2,623.18	\$3,043.39	\$3,464.57	\$3,320.63	\$2,923.92	\$2,403.63	\$17,779.32								
543																	
544	COG Rate - (Summer) \$1.2	2284								\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.1939
545	COG amount - Summer									\$2,033.51	\$1,760.13	\$1,657.52	\$1,756.60	\$1,843.40	\$2,112.31	\$11,163.47	\$28,942.79
546																	
547	LDAC \$0.0	0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
548	LDAC amount		\$221.58	\$257.07	\$292.65	\$280.49	\$246.98	\$203.03	\$1,501.82	\$164.05	\$142.00	\$133.72	\$141.71	\$148.71	\$170.41	\$900.60	\$2,402.42
549																	
550	Total Bill		\$3,458.60	\$3,972.22	\$4,487.03	\$4,311.09	\$3,826.19	\$3,190.24	\$23,245.37	\$2,609.20	\$2,291.50	\$2,172.26	\$2,287.40	\$2,388.27	\$2,700.76	\$14,449.40	\$37,694.77
551																	
	DIFFERENCE:																
553			\$53.51	\$59.75	\$65.99	\$63.86	\$57.98	\$50.26	\$351.35	\$44.41	\$40.54	\$39.09	\$40.49	\$41.72	\$45.53	\$251.79	\$603.14
554	% Change		1.55%	1.50%	1.47%	1.48%	1.52%	1.58%	1.51%	1.70%	1.77%	1.80%	1.77%	1.75%	1.69%	1.74%	1.60%
555																	
			\$53.51	\$59.75	\$65.99	\$63.86	\$57.98	\$50.26	\$351.35	\$44.41	\$40.54	\$39.09	\$40.49	\$41.72	\$45.53	\$251.79	\$603.14
2 557	% Change		8.72%	8.89%	9.04%	8.99%	8.85%	8.61%	8.86%	10.79%	10.41%	10.26%	10.41%	10.53%	10.89%	10.56%	9.50%
558																	
559			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
560	% Change		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 561
 Winter Season (Jan. - Apr., Nov. - Dec.)

 562
 Commercial/Industrial - High Annual Use, Load Factor Less Than 90% (G-53)

563	PROPOSED							
564		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
565	average Usage (Therms)	27,160	31,349	35,590	32,054	29,450	24,278	179,882
566								
567	Winter:							
568	Cust. Chg \$821.64	\$821.64	\$821.64	\$821.64	\$821.64	\$821.64	\$821.64	\$4,929.84
569	Headblock \$0.1819	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
570	Tailblock \$0.1819	\$4,940.44	\$5,702.44	\$6,473.83	\$5,830.59	\$5,357.00	\$4,416.18	\$32,720.48
571	HB Threshold -							
572								
573	Summer:							
574	Cust. Chg \$821.64							
575	Headblock \$0.0936							
576	Tailblock \$0.0936							
577	HB Threshold -							
578								
579	Total Base Rate Amount	\$5,762.08	\$6,524.08	\$7,295.47	\$6,652.23	\$6,178.64	\$5,237.82	\$37,650.32
580								
581	COG Rate - (Winter) \$1.1732		\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732
582	COG amount - Winter	\$31,864.35	\$36,779.03	\$41,754.22	\$37,605.55	\$34,551.05	\$28,483.02	\$211,037.22
583								
584	COG Rate - (Summer) \$1.2284							
585	COG amount - Summer							
586	1040	AA AAAA	A A AAA4	* *	* *	* *		
587	LDAC \$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
588 589	LDAC amount	\$2,691.58	\$3,106.72	\$3,526.97	\$3,176.53	\$2,918.52	\$2,405.96	\$17,826.28
	Tetel Dill	640 040 04	¢ 40, 400, 00	***	e 17 10 1 01	e 40 e 40 e 4	eac 400 00	\$000 F40 00
590	Total Bill	\$40,318.01	\$46,409.83	\$52,576.66	\$47,434.31	\$43,648.21	\$36,126.80	\$266,513.82

Summer Season (May - Oct.)

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
21,519	19,047	19,313	21,119	19,654	22,956	123,608	303,490
\$821.64 \$0.00	\$821.64 \$0.00	\$821.64 \$0.00	\$821.64 \$0.00	\$821.64 \$0.00	\$821.64 \$0.00	\$4,929.84 \$0.00	\$9,859.68 \$0.00
\$2.014.13	\$1.782.81	\$1.807.73	\$1.976.78	\$1.839.57	\$0.00 \$2,148.70	\$11.569.73	\$44.290.21
\$2,835.77	\$2,604.45	\$2,629.37	\$2,798.42	\$2,661.21	\$2,970.34	\$16,499.57	\$54,149.89
\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.1957
\$26,433.33	\$23,397.50	\$23,724.51	\$25,943.13	\$24,142.43	\$28,199.45	\$151,840.35	\$362,877.57
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$2,132.48	\$1,887.57	\$1,913.95	\$2,092.94	\$1,947.67	\$2,274.96	\$12,249.58	\$30,075.85
\$31,401.59	\$27,889.52	\$28,267.83	\$30,834.48	\$28,751.32	\$33,444.76	\$180,589.50	\$447,103.32

591 Winter Season (Jan. - Apr., Nov. - Dec.) 592 Commercial/Industrial - High Annual Use, Load Factor Less Than 90% (G-53)

bit CURRENT Nov-21 Dec-21 Jan-22 Mar-22 Minter See average Usage (Therms) 27,160 31,349 35,560 32,054 29,450 24,278 179,882 179,882 21,119 19,047 19,313 21,119 19,654 22,956 123,008 303,490 597 Winter: 27,160 37,56.10 \$756.10 \$756.10 \$756.10 \$576.10	592	Commercial/Industrial - High Annual Use, Load	I Facto	or Less Than	1 90% (G-53)													
595 average Usage (Therms) 27,160 31,349 35,590 32,054 29,450 24,278 179,882 596 Winter: 576 5756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$576.10 \$5756.10 \$576.10 \$50.00 <	593	CURRENT																
596 597 Winter: 598 Cust. Chg 5756.10<	594			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-23	Aug-21	Sep-21	Oct-21	Summer	Total
997 Winter: 998 Winter: 940 Winter: 940 Winter: 940 950<	595	average Usage (Therms)		27,160	31,349	35,590	32,054	29,450	24,278	179,882	21,519	19,047	19,313	21,119	19,654	22,956	123,608	303,490
598 Cust. Chg \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$50.00 \$0.00	596																	
599 Headblock \$0.00 <	597	Winter:																
600 Tailbock \$0.1697 \$4,699.09 \$5,319.98 \$6,030.63 \$5,439.53 \$4,097.71 \$4,119.99 \$30,525.93 601 HB Threshold -	598	Cust. Chg \$756	6.10	\$756.10	\$756.10	\$756.10	\$756.10	\$756.10	\$756.10	\$4,536.60								
601 HB Threshold -	599	Headblock \$0.1	1697	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
602 Summer: 503 Summer: 504 Cust. Chg \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$5750.10 \$50.00 </td <td>600</td> <td>Tailblock \$0.1</td> <td>1697</td> <td>\$4,609.09</td> <td>\$5,319.98</td> <td>\$6,039.63</td> <td>\$5,439.53</td> <td>\$4,997.71</td> <td>\$4,119.99</td> <td>\$30,525.93</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	600	Tailblock \$0.1	1697	\$4,609.09	\$5,319.98	\$6,039.63	\$5,439.53	\$4,997.71	\$4,119.99	\$30,525.93								
603 Summer: 504 Summer: 505 Summer: 506 Summer: 506 Summer: 506 Summer:	601	HB Threshold	-															
604 Cust. Chg \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$756.10 \$50.00 \$50.00 \$0	602																	
665 Headblock \$0.0814 \$0.0814 \$0.0814 \$0.001 \$0.00	603	Summer:																
606 Tailblock \$0.0814 \$1.751.61 \$1,751.61 <t< td=""><td>604</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	604																	
607 608 609 609 609 609 600 HB Threshold - - \$5,365.19 \$6,076.08 \$6,795.73 \$6,195.63 \$5,753.81 \$4,876.09 \$35,062.53 \$2,507.71 \$2,306.54 \$2,328.21 \$2,475.22 \$2,355.90 \$2,624.74 \$14,598.31 \$49,660.84 610 COG Rate - (Winter) \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.284 \$1.2284 <td>605</td> <td></td>	605																	
608 Total Base Rate Amount \$5,365.19 \$6,076.08 \$6,795.73 \$6,195.63 \$5,753.81 \$4,876.09 \$35,062.53 \$2,207.71 \$2,306.54 \$2,328.21 \$2,475.22 \$2,355.90 \$2,624.74 \$14,598.31 \$49,660.84 610 COG Rate - (Winter) \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.1814 \$1.284 \$1.2284			0814								\$1,751.61	\$1,550.44	\$1,572.11	\$1,719.12	\$1,599.80	\$1,868.64	\$10,061.71	\$40,587.64
609 Total Base Rate Amount \$5,365.19 \$6,076.08 \$6,075.73 \$6,195.63 \$5,753.81 \$4,876.09 \$35,062.53 \$2,207.71 \$2,306.54 \$2,328.21 \$2,475.22 \$2,355.90 \$2,624.74 \$14,598.31 \$49,660.84 610 COG Rate - (Winter) \$1.1814 \$1.284 \$1.2284		HB Threshold	-															
610 COG Rate - (Winter) \$1.1814 \$1.284 \$1.2284																		
611 COG Rate - (Winter) \$1.1814 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 <t< td=""><td></td><td>Total Base Rate Amount</td><td></td><td>\$5,365.19</td><td>\$6,076.08</td><td>\$6,795.73</td><td>\$6,195.63</td><td>\$5,753.81</td><td>\$4,876.09</td><td>\$35,062.53</td><td>\$2,507.71</td><td>\$2,306.54</td><td>\$2,328.21</td><td>\$2,475.22</td><td>\$2,355.90</td><td>\$2,624.74</td><td>\$14,598.31</td><td>\$49,660.84</td></t<>		Total Base Rate Amount		\$5,365.19	\$6,076.08	\$6,795.73	\$6,195.63	\$5,753.81	\$4,876.09	\$35,062.53	\$2,507.71	\$2,306.54	\$2,328.21	\$2,475.22	\$2,355.90	\$2,624.74	\$14,598.31	\$49,660.84
612 COG amount - Winter \$32,087.07 \$37,036.09 \$42,046.06 \$37,868.39 \$34,792.54 \$28,682.10 \$212,512.25 613 COG Rate - (Summer) \$1.2284 \$1.																		
613 614 COG Rate - (Summer) \$1.2284 <td></td>																		
614 COG Rate - (Summer) \$1.284 \$1.284 \$1.284 \$1.284 \$1.284 <td></td> <td>COG amount - Winter</td> <td></td> <td>\$32,087.07</td> <td>\$37,036.09</td> <td>\$42,046.06</td> <td>\$37,868.39</td> <td>\$34,792.54</td> <td>\$28,682.10</td> <td>\$212,512.25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		COG amount - Winter		\$32,087.07	\$37,036.09	\$42,046.06	\$37,868.39	\$34,792.54	\$28,682.10	\$212,512.25								
615 COG amount - Summer \$26,433.33 \$23,397.50 \$23,724.51 \$25,943.13 \$24,142.43 \$28,199.45 \$151,840.35 \$364,352.60 616 617 LDAC \$0.0991	613	000 B-ta (0:000000)	2004								¢4.000.4	¢4.0004	¢4.0004	¢4.000.4	¢4.0004	£4.0004	¢4.000.4	¢4.0005
616 \$0.0991	014		2284															
617 LDAC \$0.0991 <t< td=""><td></td><td>COG amount - Summer</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$20,433.33</td><td>\$23,397.50</td><td>\$23,724.51</td><td>\$25,943.13</td><td>\$24,142.43</td><td>\$28,199.45</td><td>\$151,840.35</td><td>\$364,352.60</td></t<>		COG amount - Summer									\$20,433.33	\$23,397.50	\$23,724.51	\$25,943.13	\$24,142.43	\$28,199.45	\$151,840.35	\$364,352.60
618 LDAC amount \$2,691.58 \$3,106.72 \$3,269.7 \$3,176.53 \$2,918.52 \$2,405.96 \$17,826.28 \$2,132.48 \$1,887.57 \$1,913.95 \$2,092.94 \$1,947.67 \$2,274.96 \$12,249.58 \$30,075.85 619 620 Total Bill \$40,143.83 \$46,218.89 \$52,368.76 \$47,240.56 \$43,464.87 \$35,964.14 \$265,401.05 \$31,073.52 \$27,591.61 \$27,966.67 \$30,511.29 \$28,446.00 \$33,099.16 \$178,688.24 \$444,089.25 621 621 621 631,073.52 \$27,591.61 \$27,966.67 \$30,511.29 \$28,446.00 \$33,099.16 \$178,688.24 \$444,089.25		0.02	0001	¢0.0001	\$0,0001	¢0.0001	\$0.0001	\$0.0001	\$0,0001	\$0.0001	\$0,0001	\$0.0001	\$0.0001	\$0.0001	\$0.0001	¢0.0001	¢0.0001	\$0.0001
619 620 Total Bill \$40,143.83 \$46,218.89 \$52,368.76 \$47,240.56 \$43,464.87 \$35,964.14 \$265,401.05 \$31,073.52 \$27,591.61 \$27,966.67 \$30,511.29 \$28,446.00 \$33,099.16 \$178,688.24 \$444,089.29 621																		
620 Total Bill \$40,143.83 \$46,218.89 \$52,368.76 \$47,240.56 \$43,464.87 \$35,964.14 \$265,401.05 \$31,073.52 \$27,591.61 \$27,966.67 \$30,511.29 \$28,446.00 \$33,099.16 \$178,688.24 \$444,089.25 \$621		EDAG amount		φ2,031.00	ψ3,100.72	ψ0,020.07	ψ0,170.00	ψ2,310.32	ψ2,403.30	ψ17,020.20	ψ2,102.40	ψ1,007.07	ψ1,313.35	ψ2,032.34	φ1, 34 7.07	ψ2,274.30	ψ12,2 4 3.30	φ30,073.03
621		Total Bill		\$40 143 83	\$46 218 89	\$52 368 76	\$47 240 56	\$43 464 87	\$35 964 14	\$265 401 05	\$31 073 52	\$27 591 61	\$27 966 67	\$30 511 29	\$28 446 00	\$33,099,16	\$178 688 24	\$444 089 29
					<i>,,</i>	<i>,</i> ,	•••••	<i>••••</i> ,••••••		<i>+</i> ,	+,	+,	+=-;+++++++++++++++++++++++++++++++++++	+,	+==;	+,	• •••••	<i></i>
622 DIFFERENCE:	622	DIFFERENCE:																
623 Total Bill \$174.18 \$190.94 \$207.90 \$193.76 \$183.34 \$162.65 \$1,112.77 \$328.07 \$297.92 \$301.16 \$323.20 \$305.31 \$345.61 \$1,901.26 \$3,014.03	623	Total Bill		\$174.18	\$190.94	\$207.90	\$193.76	\$183.34	\$162.65	\$1,112.77	\$328.07	\$297.92	\$301.16	\$323.20	\$305.31	\$345.61	\$1,901.26	\$3,014.03
624 % Change 0.43% 0.41% 0.40% 0.41% 0.42% 0.45% 0.42% 1.06% 1.08% 1.08% 1.06% 1.07% 1.04% 1.06% 0.68%	624	% Change		0.43%	0.41%	0.40%	0.41%	0.42%	0.45%	0.42%	1.06%	1.08%	1.08%	1.06%	1.07%	1.04%	1.06%	0.68%
625	625																	
626 Base Rate \$396.89 \$448.00 \$499.74 \$456.60 \$424.83 \$361.73 \$2,587.80 \$328.07 \$297.92 \$301.16 \$323.20 \$305.31 \$345.61 \$1,901.26 \$4,489.06	626	Base Rate		\$396.89	\$448.00	\$499.74	\$456.60	\$424.83	\$361.73	\$2,587.80	\$328.07	\$297.92	\$301.16	\$323.20	\$305.31	\$345.61	\$1,901.26	\$4,489.06
Constraint Constra	627	% Change		7.40%	7.37%	7.35%	7.37%	7.38%	7.42%	7.38%	13.08%	12.92%	12.94%	13.06%	12.96%	13.17%	13.02%	9.04%
628	628		1															
			1															(\$1,475.03)
630 % Change -0.64% -0.64% -0.64% -0.64% -0.64% 0.00%	630	% Change		-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.37%

021

Docket No. DG 20-105 Attachment CAM-2 (Revised) Page 10 of 10

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Bill Impact Analysis - Cost of Gas Filing Methodology

 631
 Winter Season (Jan. - Apr., Nov. - Dec.)

 632
 Commercial/Industrial - High Annual Use, Load Factor Greater Than 90% (G-54)

633	PROPOSED							
634		Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter
635	average Usage (Therms)	61,794	48,201	46,759	46,199	40,987	48,188	292,128
636								
637	Winter:							
638	Cust. Chg \$821.65	\$821.65	\$821.65	\$821.65	\$821.65	\$821.65	\$821.65	\$4,929.90
639	Headblock \$0.0693	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
640	Tailblock \$0.0693	\$4,282.29	\$3,340.34	\$3,240.41	\$3,201.61	\$2,840.39	\$3,339.42	\$20,244.46
641	HB Threshold -							
642								
643	Summer:							
644	Cust. Chg \$821.65							
645	Headblock \$0.0397							
646	Tailblock \$0.0397							
647	HB Threshold -							
648								
649	Total Base Rate Amount	\$5,103.94	\$4,161.99	\$4,062.06	\$4,023.26	\$3,662.04	\$4,161.07	\$25,174.36
650								
651	COG Rate - (Winter) \$1.1732		\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732	\$1.1732
652	COG amount - Winter	\$72,496.19	\$56,549.52	\$54,857.86	\$54,201.05	\$48,085.87	\$56,533.94	\$342,724.44
653								
654	COG Rate - (Summer) \$1.2284							
655	COG amount - Summer							
656								
657	LDAC \$0.0991		\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
658	LDAC amount	\$6,123.74	\$4,776.73	\$4,633.83	\$4,578.35	\$4,061.81	\$4,775.41	\$28,949.87
659	L							
660	Total Bill	\$83,723.88	\$65,488.24	\$63,553.76	\$62,802.66	\$55,809.72	\$65,470.42	\$396,848.67

Summer Season (May - Oct.)

May-23	Jun-23	Jul-23	Aug-22	Sep-22	Oct-22	Summer	Total
58,766	61,809	64,600	68,379	65,031	64,466	383,051	675,179
\$821.65 \$0.00	\$821.65 \$0.00	\$821.65 \$0.00	\$821.65 \$0.00	\$821.65 \$0.00	\$821.65 \$0.00	\$4,929.90 \$0.00	\$9,859.80 \$0.00
\$2,332.99	\$2,453.83	\$2,564.61	\$2,714.65	\$2,581.72	\$2,559.31	\$15,207.11	\$35,451.5
\$3,154.64	\$3,275.48	\$3,386.26	\$3,536.30	\$3,403.37	\$3,380.96	\$20,137.01	\$45,311.3
\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2284	\$1.2045
\$72,187.66	\$75,926.55	\$79,354.45	\$83,996.98	\$79,883.66	\$79,190.23	\$470,539.54	\$813,263.9
\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
\$5,823.67	\$6,125.30	\$6,401.84	\$6,776.38	\$6,444.54	\$6,388.60	\$37,960.33	\$66,910.20
\$81,165.97	\$85,327.33	\$89,142.56	\$94,309.66	\$89,731.56	\$88,959.79	\$528,636.88	\$925,485.5

661 Winter Season (Jan. - Apr., Nov. - Dec.) 662 Commercial/Industrial - High Annual Use, Load Factor Greater Than 90% (G-54)

662	Commercial/Industrial - High Annual Use, Load	a Facto	or Greater Tr	nan 90% (G-54	9												
663	CURRENT																
664			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Winter	May-22	Jun-22	Jul-23	Aug-21	Sep-21	Oct-21	Summer	Total
665	average Usage (Therms)		61,794	48,201	46,759	46,199	40,987	48,188	292,128	58,766	61,809	64,600	68,379	65,031	64,466	383,051	675,179
666																	
667	Winter:																
668	Cust. Chg \$75	6.10	\$756.10	\$756.10	\$756.10	\$756.10	\$756.10	\$756.10	\$4,536.60								
669		0648	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
670		0648	\$4,004.22	\$3,123.43	\$3,029.99	\$2,993.72	\$2,655.95	\$3,122.57	\$18,929.89								
671	HB Threshold	-	\$ 1,00 H.EE	<i>\$</i> 0,120.10	\$0,020.00	<i>42,000.12</i>	<i>\</i> 2,000.00	<i>Q</i> 0 , I22 .01	\$10,020.00								
672																	
673	Summer:																
674	Cust. Chg \$75	6.10								\$756.10	\$756.10	\$756.10	\$756.10	\$756.10	\$756.10	\$4,536.60	\$9.073.20
675		0352								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
676		0352								\$2,068.55	\$2,175.69	\$2,273.91	\$2,406.95	\$2,289.08	\$2,269.21	\$13,483.39	\$32,413.27
677	HB Threshold	-								\$2,000.00	<i>Q</i> 2, 110.00	ψ <u>2</u> ,270.01	<i>\\</i> 2,100.00	<i>\$2,200.00</i>	<i>\$2,200.21</i>	¢10,100.00	\$02,110.21
678																	
679	Total Base Rate Amount		\$4,760,32	\$3.879.53	\$3,786.09	\$3.749.82	\$3.412.05	\$3,878.67	\$23,466.49	\$2.824.65	\$2.931.79	\$3.030.01	\$3,163.05	\$3.045.18	\$3.025.31	\$18.019.99	\$41,486,47
680	Total Base Nate Amount		ψ4,700.02	ψ0,070.00	ψ0,700.00	ψ0,140.0 <u>2</u>	ψ0, 4 12.00	ψ0,070.07	φ20,400.40	ψ <u>2</u> ,0 <u>2</u> 4.00	φ2,001.70	φ0,000.01	φ0,100.00	φ0,040.10	ψ0,020.01	φ10,010.00	φ+1,+00.+1
681	COG Rate - (Winter) \$1.1	1814	\$1,1814	\$1.1814	\$1,1814	\$1.1814	\$1.1814	\$1,1814	\$1,1814								
682	COG amount - Winter		\$73,002.90	\$56,944.77	\$55,241.29	\$54,579.88	\$48,421.97	\$56,929.08	\$345,119.89								
683																	
684	COG Rate - (Summer) \$1.2	2284								\$1.2284	\$1,2284	\$1,2284	\$1.2284	\$1.2284	\$1.2284	\$1,2284	\$1,2081
685	COG amount - Summer									\$72,187.66	\$75,926.55	\$79,354.45	\$83,996.98	\$79,883.66	\$79,190.23	\$470,539.54	\$815,659.42
686																	
687	LDAC \$0.0	0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991	\$0.0991
688	LDAC amount		\$6,123.74	\$4,776.73	\$4,633.83	\$4,578.35	\$4,061.81	\$4,775.41	\$28,949.87	\$5,823.67	\$6,125.30	\$6,401.84	\$6,776.38	\$6,444.54	\$6,388.60	\$37,960.33	\$66,910.20
689																	
690	Total Bill		\$83,886.97	\$65,601.03	\$63,661.21	\$62,908.05	\$55,895.83	\$65,583.16	\$397,536.25	\$80,835.98	\$84,983.64	\$88,786.31	\$93,936.40	\$89,373.38	\$88,604.14	\$526,519.85	\$924,056.10
691																	
692	DIFFERENCE:																
693	Total Bill		(\$163.09)	(\$112.79)	(\$107.46)	(\$105.39)	(\$86.10)	(\$112.74)	(\$687.57)	\$330.00	\$343.69	\$356.25	\$373.26	\$358.19	\$355.65	\$2,117.03	\$1,429.46
694	% Change		-0.19%	-0.17%	-0.17%	-0.17%	-0.15%	-0.17%	-0.17%	0.41%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.15%
695																	
696	Base Rate		\$343.62	\$282.45	\$275.97	\$273.45	\$249.99	\$282.40	\$1,707.88	\$330.00	\$343.69	\$356.25	\$373.26	\$358.19	\$355.65	\$2,117.03	\$3,824.90
2 697	% Change		7.22%	7.28%	7.29%	7.29%	7.33%	7.28%	7.28%	11.68%	11.72%	11.76%	11.80%	11.76%	11.76%	11.75%	9.22%
698	-																
699	COG & LDAC		(\$506.71)	(\$395.25)	(\$383.43)	(\$378.83)	(\$336.09)	(\$395.14)	(\$2,395.45)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	(\$2,395.45)
700	% Change		-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	-0.64%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.27%

Summer Season (May - Oct.)