Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities Docket No. DG 18-137 Winter 2018/2019 Cost of Gas & Summer 2019 Cost of Gas Technical Statement of David B. Simek and Catherine A McNamara Attachment 1

2019 EE Budget Included in ENNG COG

Included in filing 9/4/18

	<u>Residential Original Budget</u>	<u>C&i Originai Budget</u>	<u>rotai</u>
2019 Program Budget	\$4,381,186	\$4,625,642	\$9,006,828
2019 Portion of Low Income Program Budget	<u>\$468,703</u>	\$841,63 <u>9</u>	\$1,310,342
	\$4,849,889	\$5,467,281	\$10,317,170

What the 9/4/18 filing should have been

	Revised Residential	C&I Original Budget	<u>Total</u>
2019 Program Budget	\$3,070,844	\$4,625,642	\$7,696,486
2019 Low Income Program Budget	\$1,310,342	\$0	\$1,310,342
2019 Low Income Program Budget	(\$1,310,342)	\$0	(\$1,310,342)
2019 Portion of Low Income Program Budget Allocation	<u>\$468,703</u>	<u>\$841,639</u>	\$1,310,34 <u>2</u>
	\$3,539,547	\$5,467,281	\$9,006,828

Liberty Utilities (EnergyNorth Natural Gas) Corp.

1 d/b/a Liberty Utilities

2 Peak 2018 - 2019 Winter Cost of Gas Filing

3 Annual Bill Comparisons, Nov 17 - Apr 18 vs Nov 18 - Apr 19 - Residential Heating Rate R-3

4

6 November 1, 2018 - April 30, 2019

7 Residential Heating (R3) 8 PROPOSED Winter Nov-18 Dec-18 Jan-19 Feb-19 Mar-19 Apr-19 Nov-Apr 10 average Usage (Therms) 95 139 107 100 636 11 5/1/2018 7/1/2018 12 Winter: 13 Cust. Chg \$24.43 \$15.02 \$15.02 \$15.02 \$15.02 \$15.02 \$15.02 \$15.02 \$90.12 14 Headblock \$0.3863 \$0.5631 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 15 Tailblock \$0.3197 \$0.5631 \$21.33 \$53.70 \$88.19 \$78.12 \$60.12 \$56.40 \$357.86 16 HB Threshold 100 17 18 **Summer**: 19 Cust. Chg \$14.88 \$15.02 \$0.5580 20 Headblock \$0.5631 21 Tailblock \$0.5580 \$0.5631 22 HB Threshold 24 Total Base Rate Amount \$103.21 \$75.14 \$71.42 \$447.98 \$36.35 \$68.72 \$93.14 26 COG Rate - (Seasonal) \$0.7411 \$0.7411 \$0.7411 \$0.7411 \$0.7411 \$0.7411 \$0.7411 27 COG amount \$28.07 \$70.68 \$116.07 \$102.82 \$79.12 \$74.23 \$470.98 29 LDAC \$0.0673 \$0.0673 \$0.0673 \$0.0673 \$0.0673 \$0.0673 \$0.0673 30 LDAC amount \$2.55 \$6.42 \$10.55 \$9.34 \$7.19 \$6.74 \$42.79 31 32 Total Bill \$66.96 \$145.82 \$229.82 \$205.31 \$161.45 \$152.40 \$961.76

34 November 1, 2017 - April 30, 2018

35 Residential Heating (R3)

36 CURRENT									Winter
37			Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	Nov-Apr
38 average Usage (Thern	ns)		38	95	157	139	107	100	636
39									
40 Winter:	5/1/2017	7/1/2017							
41 Cust. Chg	\$22.10	\$24.43	\$24.43	\$24.43	\$24.43	\$24.43	\$24.43	\$24.43	\$146.58
42 Headblock	\$0.3495	\$0.3863	\$14.63	\$36.84	\$38.63	\$38.63	\$38.63	\$38.63	\$205.99
43 Tailblock	\$0.2892	\$0.3197	\$0.00	\$0.00	\$18.10	\$12.39	\$2.16	\$0.05	\$32.70
44 HB Threshold	100	100							
45									
46 Summer:									
47 Cust. Chg	\$22.10	\$24.43							
48 Headblock	\$0.3495	\$0.3863							
49 Tailblock	\$0.2892	\$0.3197							
50 HB Threshold	20	20							
51									
52 Total Base Rate Amour	nt		\$39.06	\$61.27	\$81.16	\$75.45	\$65.22	\$63.11	\$385.27
53								_	_
54 COG Rate - (Seasonal)			\$0.6445	\$0.6445	\$0.6445	\$0.8056	\$0.8056	\$0.8056	\$0.7321
55 COG amount			\$24.41	\$61.46	\$100.94	\$111.77	\$86.01	\$80.69	\$465.28
56								_	
57 LDAC			\$0.0856	\$0.0856	\$0.0856	\$0.0856	\$0.0856	\$0.0856	0.0856
58 LDAC amount			\$3.24	\$8.16	\$13.41	\$11.88	\$9.14	\$8.57	\$54.40
59									
60 Total Bill			\$66.71	\$130.90	\$195.50	\$199.09	\$160.37	\$152.38	\$904.95
61									
62 DIFFERENCE: 63 Total Bill		1	\$0.25	\$14.92	\$34.32	\$6.22	\$1.08	\$0.02	\$56.81
64 % Change			\$0.25 0.38%	\$14.92 11.40%	\$34.32 17.55%	3.12%	\$1.06 0.67%	\$0.02 0.01%	6.28%
65 Change			0.36%	11.40%	17.55%	3.12%	0.67%	0.01%	0.20%
66 Base Rate			(\$2.71)	\$7.45	\$22.05	\$17.70	\$9.92	\$8.31	\$62.71
67 % Change			(\$2.71) -6.95%	\$7.45 12.16%	\$22.05 27.17%	23.46%	φ9.92 15.20%	پەرى 13.17%	16.28%
68 Change			-0.95%	12.10%	21.1170	23.40%	13.20%	13.17%	10.26%
69 COG & LDAC			\$2.97	\$7.47	\$12.27	(\$11.48)	(\$8.84)	(\$8.29)	(\$5.90)
70 % Change			12.15%	12.15%	12.15%	-10.27%	-10.27%	-10.27%	-1.27%
check		· ·	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

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

Docket No. DG 18-137

Winter 2018/2019 Cost of Gas & Summer 2019 Cost of Gas Technical Statement of David B. Simek and Catherine A McNamara

Attachment 2 Page 1 of 2

May 1, 2018 - October 31, 2018

May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Summer May-Oct	Total Nov-Oct
56	21	17	15	16	18	142	778
\$14.88 \$0.00	\$14.88 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$89.84 \$0.00	\$179.96 \$0.00
\$30.99	\$11.84	\$9.43	\$8.47	\$8.80	\$10.15	\$79.67	\$437.53
\$45.87	\$26.72	\$24.45	\$23.49	\$23.82	\$25.17	\$169.51	\$617.49
\$0.3133	\$0.3916	\$0.3127	\$0.3665	\$0.3916	\$0.3916	\$0.3491	\$0.6694
\$17.40	\$8.31	\$5.24	\$5.51	\$6.12	\$7.06	\$49.63	\$520.62
\$0.0945	\$0.0945	\$0.0945	\$0.0945	\$0.0945	\$0.0945	\$0.0945	\$0.0723
\$5.25	\$2.00	\$1.58	\$1.42	\$1.48	\$1.70	\$13.44	\$56.23
\$68.51	\$37.03	\$31.27	\$30.42	\$31.42	\$33.93	\$232.58	\$1,194.34

May 1, 2017 - October 31, 2017

May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Summer May-Oct	Tota Nov-0
56	21	17	15	16	18	142	778
\$22.10	\$22.10	\$24.43	\$24.43	\$24.43	\$24.43	\$141.92	\$288.5
\$6.99	\$6.99	\$6.47	\$5.81	\$6.04	\$6.96	\$39.26	\$245.2
\$10.27	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$10.63	\$43.3
\$39.36	\$29.44	\$30.90	\$30.24	\$30.47	\$31.39	\$191.81	\$577.0
\$0.4368	\$0.4368	\$0.4368	\$0.4725	\$0.4725	\$0.4725	\$0.4490	\$0.680
\$24.26	\$9.27	\$7.31	\$7.11	\$7.39	\$8.52	\$63.84	\$529.
\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.081
\$3.55	\$1.36	\$1.07	\$0.96	\$1.00	\$1.15	\$9.10	\$63.5
\$67.17	\$40.07	\$39.28	\$38.31	\$38.85	\$41.07	\$264.75	\$1,169
\$1.34	(\$3.04)	(\$8.02)	(\$7.89)	(\$7.43)	(\$7.13)	(\$32.17)	\$24.6
1.99%	-7.58%	-20.41%	-20.59%	-19.13%	-17.37%	-12.15%	2.11%
\$6.50	(\$2.72)	(\$6.45)	(\$6.75)	(\$6.65)	(\$6.22)	(\$22.29)	\$40.4
16.51%	-9.25%	-20.87%	-22.33%	-21.81%	-19.82%	-11.62%	7.00%
(\$5.16)	(\$0.31)	(\$1.57)	(\$1.14)	(\$0.79)	(\$0.91)	(\$9.88)	(\$15.7
-21.29%	-3.37%	-21.43%	-15.98%	-10.67%	-10.67%	-15.47%	-2.98
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Liberty Utilities (EnergyNorth Natural Gas) Corp.

2 Off Peak 2019 Summer Cost of Gas Filing 3 Annual Bill Comparisons, May 18 - Oct 18 vs May 19 - Oct 19 - Residential Heating Rate R-3

May 1, 2019 - October 31, 2019

Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities Docket No. DG 18-137 Winter 2018/2019 Cost of Gas & Summer 2019 Cost of Gas Technical Statement of David B. Simek and Catherine A McNamara Attachment 2 Page 2 of 2

6 November 1, 2018 - April 30, 2019			
7 Residential Heating (R3)			
0		Minter	ı

8									Winter
9			Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	Nov-Apr
10	Typical Usage (Therms)		38	95	157	139	107	100	636
11		7/1/2018							
12	Winter:								
13	Cust. Chg	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$15.02	\$90.12
14	Headblock	\$0.5631	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Tailblock	\$0.5631	\$21.33	\$53.70	\$88.19	\$78.12	\$60.12	\$56.40	\$357.86
	HB Threshold	-							
17									
	Summer:								
	Cust. Chg	\$15.02							
	Headblock	\$0.5631							
21	Tailblock	\$0.5631							
	HB Threshold	-							
23									
	Total Base Rate Amount		\$36.35	\$68.72	\$103.21	\$93.14	\$75.14	\$71.42	\$447.98
25									
	COG Rate - (Seasonal)		\$0.7411	\$0.7411	\$0.7411	\$0.7411	\$0.7411	\$0.7411	\$0.7411
	COG amount		\$28.07	\$70.68	\$116.07	\$102.82	\$79.12	\$74.23	\$470.98
28									
	LDAC		\$0.0673	\$0.0673	\$0.0673	\$0.0673	\$0.0673	\$0.0673	0.0673
30	LDAC amount		\$2.55	\$6.42	\$10.55	\$9.34	\$7.19	\$6.74	\$42.79
31									
	Total Bill		\$66.96	\$145.82	\$229.82	\$205.31	\$161.45	\$152.40	\$961.76
33									

	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Summer May-Oct	Total Nov-Oct
	56	21	17	15	16	18	142	778
0.4445 0.3133	£45.00	£4E 00	£4E 00	£45.00	£45.00	£45.00	COO 42	£100.04
0.3133	\$15.02 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$15.02 \$0.00	\$90.12 \$0.00	\$180.24 \$0.00
0.1312	\$31.27	\$0.00 \$11.95	\$9.43	\$8.47	\$8.80	\$10.15	\$80.06	\$0.00 \$437.92
0.418768	ψ31.27	Ψ11.95	ψ5.45	Ψ0.47	ψ0.00	ψ10.13	Ψ00.00	ψ437.32
0.110700								
	\$46.29	\$26.97	\$24.45	\$23.49	\$23.82	\$25.17	\$170.18	\$618.16
	\$0.4445	\$0.4445	\$0.4445	\$0.4445	\$0.4445	\$0.4445	\$0.4445	\$0.6869
	\$24.68	\$9.43	\$7.44	\$6.68	\$6.95	\$8.01	\$63.20	\$534.18
	\$0.0673	\$0.0673	\$0.0673	\$0.0673	\$0.0673	\$0.0673	\$0.0673	\$0.0673
	\$3.74	\$1.43	\$1.13	\$1.01	\$1.05	\$1.21	\$9.57	\$52.37
	ψ0.14	ψτυ	ψιο	ψ	ψσ	ΨΣ1	ψο.στ	Ψ02.07
	\$74.71	\$37.82	\$33.02	\$31.18	\$31.82	\$34.40	\$242.96	\$1,204.72

34 November 1, 2017 - April 30, 2018 35 Residential Heating (R3)

)	Residential	Heating	(R3)	
٠.				

36 37	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	Winter Nov-Apr
38 Typical Usage (Therms)	38	95	157	139	107	100	636
39							
40 Winter:							
41 Cust. Chg	\$24.43	\$24.43	\$24.43	\$24.43	\$24.43	\$24.43	\$146.58
42 Headblock	\$14.63	\$36.84	\$38.63	\$38.63	\$38.63	\$38.63	\$205.99
43 Tailblock	\$0.00	\$0.00	\$18.10	\$12.39	\$2.16	\$0.05	\$32.70
44 HB Threshold	, , , , ,	• • • • • • • • • • • • • • • • • • • •	•	•		*****	**
45							
46 Summer:							
47 Cust. Chg							
48 Headblock							
49 Tailblock							
50 HB Threshold							
51							
52 Total Base Rate Amount	\$39.06	\$61.27	\$81.16	\$75.45	\$65.22	\$63.11	\$385.27
53							
54 COG Rate - (Seasonal)	\$0.6445	\$0.6445	\$0.6445	\$0.8056	\$0.8056	\$0.8056	\$0.7321
55 COG amount	\$24.41	\$61.46	\$100.94	\$111.77	\$86.01	\$80.69	\$465.28
56							
57 LDAC	\$0.0856	\$0.0856	\$0.0856	\$0.0856	\$0.0856	\$0.0856	0.0856
58 LDAC amount	\$3.24	\$8.16	\$13.41	\$11.88	\$9.14	\$8.57	\$54.40
59	l						
60 Total Bill	\$66.71	\$130.90	\$195.50	\$199.09	\$160.37	\$152.38	\$904.95
61							

May 1	2018.	October	31	2018

May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Summer May-Oct	Total Nov-Oc
56	21	17	15	16	18	142	778
\$24.43 \$7.73 \$8.99	\$24.43 \$7.73 \$2.23	\$24.43 \$6.26 \$0.00	\$24.43 \$5.45 \$0.00	\$24.43 \$5.43 \$0.00	\$24.43 \$7.73 \$0.52	\$146.58 \$40.33 \$11.74	\$293.10 \$246.32 \$44.44
\$41.15 \$0.3133	\$34.39 \$0.3916	\$30.69 \$0.3127	\$29.88 \$0.3665	\$29.86 \$0.3916	\$32.68 \$0.3916	\$198.65 \$0.3491	\$583.92 \$0.6621
\$17.40	\$8.31	\$5.24	\$5.51	\$6.12	\$7.06	\$49.63	\$514.9
\$0.0945 \$5.25	\$0.0945 \$2.00	\$0.0945 \$1.58	\$0.0945 \$1.42	\$0.0945 \$1.48	\$0.0945 \$1.70	\$0.0945 \$13.44	\$0.0872 \$67.84
\$63.79	\$44.70	\$37.51	\$36.81	\$37.46	\$41.44	\$261.72	\$1,166.6
\$10.92	(\$6.88)	(\$4.49)	(\$5.63)	(\$5.64)	(\$7.04)	(\$18.76)	\$38.05
17.11%	-15.39%	-11.97%	-15.29%	-15.05%	-17.00%	-7.17%	3.26%
\$5.14 12.49%	(\$7.42) -21.59%	(\$6.24) -20.33%	(\$6.39) -21.39%	(\$6.04) -20.22%	(\$7.51) -22.98%	(\$28.47) -14.33%	\$34.25 5.86%
\$5.78 25.51%	\$0.55 5.29%	\$1.75 25.70%	\$0.76 11.03%	\$0.40 5.29%	\$0.46 5.29%	\$9.71 15.39%	\$3.80 0.65%
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

59							İ	
60 Total Bill	\$66.71	\$130.90	\$195.50	\$199.09	\$160.37	\$152.38	\$904.95	
61								-
62 DIFFERENCE:								_
63 Total Bill	\$0.25	\$14.92	\$34.32	\$6.22	\$1.08	\$0.02	\$56.81	1
64 % Change	0.38%	11.40%	17.55%	3.12%	0.67%	0.01%	6.28%	
65							Ì	
66 Base Rate	(\$2.71)	\$7.45	\$22.05	\$17.70	\$9.92	\$8.31	\$62.71	
67 % Change	-6.95%	12.16%	27.17%	23.46%	15.20%	13.17%	16.28%	
68							İ	
69 COG & LDAC	\$2.97	\$7.47	\$12.27	(\$11.48)	(\$8.84)	(\$8.29)	(\$5.90)	
70 % Change	10.73%	10.73%	10.73%	-9.29%	-9.29%	-9.29%	-1.14%	
check	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	