State of New Hampshire Public Utilities Commission

Report of Proposed Rate Changes - Temporary Rates

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

Tariff No. 9 Date Effective: July 1, 2017

							Distribution			
						Proposed	Revenue		Proposed	Percent
				Distribution	1	Temporary	Under	Т	Temporary	Temporary
		Effect of	Average	Revenue		Change in	Proposed		Change in	Change in
		Proposed	Number of	Under	D	istribution	Temporary	D	istribution	Distribution
Line	Rate Class	Change	Customers	Current Rates		Revenue	Rates		Revenue	Revenue
1	R-1 - Residential Non-Heating	Increase	3,036	\$ 694,481	\$	66,378	\$ 760,859	\$	66,378	9.56%
2	R-3 - Residential Heating	Increase	70,646	\$ 36,326,571	\$	3,472,045	\$ 39,798,616	\$	3,472,045	9.56%
3	R-4 - Low Income Residential Heat	Increase	5,447	\$ 2,796,814	\$	267,316	\$ 3,064,129	\$	267,316	9.56%
4	G-41 - C&I Low Annual, High Winter	Increase	8,389	\$ 11,016,982	\$	1,052,988	\$ 12,069,970	\$	1,052,988	9.56%
5	G-42 - C&I Medium Annual, High Winter	Increase	1,679	\$ 12,084,183	\$	1,154,990	\$ 13,239,173	\$	1,154,990	9.56%
6	G-43 - C&I High Annual, High Winter	Increase	49	\$ 2,418,701	\$	231,176	\$ 2,649,877	\$	231,176	9.56%
7	G-51 - C&I Low Annual, Low Winter	Increase	1,252	\$ 1,391,427	\$	132,991	\$ 1,524,418	\$	132,991	9.56%
8	G-52 - C&I Medium Annual, Low Winter	Increase	309	\$ 1,585,741	\$	151,563	\$ 1,737,304	\$	151,563	9.56%
9	G-53 - C&I High Annual, Load Factor <90%	Increase	34	\$ 1,376,073	\$	131,523	\$ 1,507,597	\$	131,523	9.56%
10	G-54 - C&I High Annual, Load Factor >90%	Increase	27	\$ 931,478	\$	89,029	\$ 1,020,507	\$	89,029	9.56%
11	Totals		90,867	\$ 70,622,450 [b]	\$	6,750,000	\$ 77,372,450	\$	6,750,000	9.56%

Signed By: /s/ Stephen R. Hall

Title: Director, Regulatory and Government

[[]a] Temporary rates are not proposed for the Keene division

[[]b] Bates page 231 in Docket No. DG 17-048 total line 15 plus total line 30 (\$68,944,283 + \$1,678,167 = \$70,622,450)

Liberty Utilities (EnergyNorth Natural Gas) Corp.
Docket No. DG 17-048 General Rate Case
Annual Bill Comparisons - June 1, 2017 approved rates v. settled temporary rates - Residential Heating Rate R-3

\$0.00 0.00%

\$0.00 0.00%

November 1 - April 30

Res	iden	tial	He	atin	g (R

Residential Heating	(R-3)							
SETTLED TEMPORA	ARY RATES							Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Usa	ge (Therms)	51	90	117	141	130	89	618
	Temp							
Winter:								
Cust. Chg	\$24.21	\$24.21	\$24.21	\$24.21	\$24.21	\$24.21	\$24.21	\$145.26
Headblock	\$0.3829	\$19.53	\$34.46	\$38.29	\$38.29	\$38.29	\$34.08	\$202.94
Tailblock	\$0.3168	\$0.00	\$0.00	\$5.39	\$12.99	\$9.50	\$0.00	\$27.88
HB Threshold	100							
Summer:								
Cust. Chg	\$24.21							
Headblock	\$0.3829							
Tailblock	\$0.3168							
HB Threshold	20							
Total Base Rate Amo	ount	\$43.74	\$58.67	\$67.89	\$75.49	\$72.00	\$58.29	\$376.08
COG Rate - (Season	al)	\$0.7162	\$0.6439	\$0.7276	\$0.6012	\$0.4841	\$0,4002	\$0.5873
COG amount	,	\$36.53	\$57.95	\$85.13	\$84.77	\$62.93	\$35.62	\$362.93
LDAC		\$0.0553	\$0.0553	\$0.0640	\$0.0640	\$0.0640	\$0.0640	0.0620
LDAC amount		\$2.82	\$4.98	\$7.49	\$9.02	\$8.32	\$5.70	\$38.33
Total Bill		\$83.08	\$121.60	\$160.50	\$169.28	\$143.26	\$99.60	\$777.33

November 1 - April 30

Residential Heating (R-3)	
APPROVED RATES EFFECTIVE NOVEMBER	1. 2016 - MAY 1. 2017

COG & LDAC % Change

APPROVED RATES	EFFECTIVE NOVEMBER	R 1, 2016 - MAY 1, 2017						Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Usa	age (Therms)	51	90	117	141	130	89	618
	6/1/2017							
Winter:								
Cust. Chg	\$22.10	\$22.10	\$22.10	\$22.10	\$22.10	\$22.10	\$22.10	\$132.60
Headblock	\$0.3495	\$17.82	\$31.45	\$34.95	\$34.95	\$34.95	\$31.10	\$185.21
Tailblock	\$0.2892	\$0.00	\$0.00	\$4.92	\$11.86	\$8.68	\$0.00	\$25.45
HB Threshold	100							
Summer:								
Cust. Chg	\$22.10							
Headblock	\$0.3495							
Tailblock	\$0.2892							
HB Threshold	20							
Total Base Rate Am	ount	\$39.92	\$53.55	\$61.96	\$68.90	\$65.72	\$53.20	\$343.26
COG Rate - (Seasor	nal)	\$0.7162	\$0.6439	\$0.7276	\$0.6012	\$0.4841	\$0.4002	\$0.5873
COG amount		\$36.53	\$57.95	\$85.13	\$84.77	\$62.93	\$35.62	\$362.93
LDAC		\$0.0553	\$0.0553	\$0.0640	\$0.0640	\$0.0640	\$0.0640	0.0620
LDAC amount		\$2.82	\$4.98	\$7.49	\$9.02	\$8.32	\$5.70	\$38.33
Total Bill		\$79.27	\$116.48	\$154.58	\$162.70	\$136.97	\$94.51	\$744.51
DIFFERENCE:								
Total Bill		\$3.82	\$5.12	\$5.92	\$6.59	\$6.28	\$5.09	\$32.82
% Change		4.81%	4.40%	3.83%	4.05%	4.59%	5.38%	4.41%
Dana Data		e2 02	ØE 12	®E 02	PC 50	ee 20	85.00	622.02
Base Rate % Change		\$3.82 9.56%	\$5.12 9.56%	\$5.92 9.56%	\$6.59 9.56%	\$6.28 9.56%	\$5.09 9.56%	\$32.82 9.56%
% Change		9.56%	9.30%	9.50%	9.50%	9.50%	9.50%	9.50%

\$0.00 0.00%

\$0.00 0.00%

\$0.00 0.00%

\$0.00 0.00%

\$0.00 0.00%

May 1	- 1	UC	tol	oer	3
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May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct
51	25	16	14	14	22	142	760
\$24.21 \$7.66	\$24.21 \$7.66	\$24.21 \$6.13	\$24.21 \$5.36	\$24.21 \$5.36	\$24.21 \$7.66	\$145.26 \$39.82	\$290.52 \$242.79
\$9.82	\$1.58	\$0.00	\$0.00	\$0.00	\$0.63	\$12.04	\$39.92
\$41.69	\$33.45	\$30.34	\$29.57	\$29.57	\$32.50	\$197.12	\$573.23
\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.5591
\$22.28	\$10.92	\$6.99	\$6.12	\$6.12	\$9.61	\$62.03	\$424.95
\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0624
\$3.26	\$1.60	\$1.02	\$0.90	\$0.90	\$1.41	\$9.09	\$47.41
\$67.23	\$45.97	\$38.35	\$36.58	\$36.58	\$43.52	\$268.23	\$1,045.59

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May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct
51	25	16	14	14	22	142	760
\$22.10	\$22.10	\$22.10	\$22.10	\$22.10	\$22.10	\$132.59	\$265.19
\$6.99	\$6.99	\$5.59	\$4.89	\$4.89	\$6.99	\$36.34	\$221.55
\$8.96	\$1.45	\$0.00	\$0.00	\$0.00	\$0.58	\$10.99	\$36.44
\$38.05	\$30.53	\$27.69	\$26.99	\$26.99	\$29.67	\$179.92	\$523.18
\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.4368	\$0.5591
\$22.28	\$10.92	\$6.99	\$6.12	\$6.12	\$9.61	\$62.03	\$424.95
\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0640	\$0.0624
\$3.26	\$1.60	\$1.02	\$0.90	\$0.90	\$1.41	\$9.09	\$47.41
\$63.59	\$43.05	\$35.70	\$34.00	\$34.00	\$40.68	\$251.03	\$995.56

\$3.64	\$2.92	\$2.65	\$2.58	\$2.58	\$2.84	\$17.20	\$50.03
5.72%	6.78%	7.41%	7.59%	7.59%	6.97%	6.85%	5.03%
\$3.64	\$2.92	\$2.65	\$2.58	\$2.58	\$2.84	\$17.20	\$50.03
9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%
\$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%

November 1 - April 30

SETTLED TEMPOR								Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Us	lvg TY Normal Usage (Therms)		248	345	430	391	246	1,778
Winter:	Temp							
Cust. Chg	\$52.98	\$52.98	\$52.98	\$52.98	\$52.98	\$52.98	\$52.98	\$317.88
Headblock	\$0.4344	\$43.44	\$43.44	\$43.44	\$43.44	\$43.44	\$43.44	\$260.64
Tailblock	\$0.2918	\$5.54	\$43.19	\$71.49	\$96.29	\$84.77	\$42.46	\$343.74
HB Threshold	100							
Summer:								
Cust. Chg	\$52.98							
Headblock	\$0.4344							
Tailblock	\$0.2918							
HB Threshold	20							
Total Base Rate Am	nount	\$101.96	\$139.60	\$167.90	\$192.71	\$181.18	\$138.88	\$922.23
COG Rate - (Seaso	onal)	\$0.7121	\$0.6398	\$0.7235	\$0.5971	\$0.4800	\$0.3961	\$0.5818
COG amount		\$84.74	\$158.67	\$249.61	\$256.75	\$187.44	\$97.24	\$1,034.45
LDAC		\$0.0370	\$0.0370	\$0.0450	\$0.0450	\$0.0450	\$0.0450	0.0433
LDAC amount		\$4.40	\$9.18	\$15.53	\$19.35	\$17.57	\$11.05	\$77.07
Total Bill		\$191.11	\$307.44	\$433.03	\$468.82	\$386.19	\$247.17	\$2.033.76

November 1 - April 30

APPROVED RATE	S EFFECTIVE NOVEMBER							Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Us	age (Therms)	119	248	345	430	391	246	1,778
Winter:	6/1/2017							
Cust. Chg	\$48.36	\$48.36	\$48.36	\$48.36	\$48.36	\$48.36	\$48.36	\$290.16
Headblock	\$0.3965	\$39.65	\$39.65	\$39.65	\$39.65	\$39.65	\$39.65	\$237.89
Tailblock	\$0.2663	\$5.06	\$39.42	\$65.25	\$87.89	\$77.37	\$38.75	\$313.75
HB Threshold	100							
Summer:								
Cust. Chg	\$48.36							
Headblock	\$0.3965							
Tailblock	\$0.2663							
HB Threshold	20							
Total Base Rate Am	nount	\$93.07	\$127.43	\$153.26	\$175.90	\$165.38	\$126.76	\$841.80
COG Rate - (Seaso	nal)	\$0.7121	\$0.6398	\$0.7235	\$0.5971	\$0.4800	\$0.3961	\$0.5818
COG amount	•	\$84.74	\$158.67	\$249.61	\$256.75	\$187.44	\$97.24	\$1,034.45
_DAC		\$0.0370	\$0.0370	\$0.0450	\$0.0450	\$0.0450	\$0.0450	0.0433
LDAC amount		\$4.40	\$9.18	\$15.53	\$19.35	\$17.57	\$11.05	\$77.07
Total Bill		\$182.21	\$295.27	\$418.39	\$452.00	\$370.39	\$235.05	\$1,953.33

DIFFERENCE:							
Total Bill	\$8.89	\$12.17	\$14.64	\$16.81	\$15.80	\$12.12	\$80.43
% Change	4.88%	4.12%	3.50%	3.72%	4.26%	5.15%	4.12%
Base Rate	\$8.89	\$12.17	\$14.65	\$16.80	\$15.80	\$12.12	\$80.43
% Change	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%
COG & LDAC	\$0.00	\$0.00	(\$0.00)	\$0.00	\$0.00	\$0.00	\$0.00
% Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct
127	53	27	24	23	43	297	2,075
\$52.98 \$8.69	\$52.98 \$8.69	\$52.98 \$8.69	\$52.98 \$8.69	\$52.98 \$8.69	\$52.98 \$8.69	\$317.89 \$52.13	\$635.77 \$312.77
\$31.22	\$9.63	\$2.04	\$1.17	\$0.88	\$6.71	\$51.65	\$395.39
\$92.89	\$71.30	\$63.71	\$62.84	\$62.55	\$68.38	\$421.67	\$1,343.90
\$0.4206	\$0.4206	\$0,4206	\$0,4206	\$0,4206	\$0,4206	\$0.4206	\$0.5587
\$53.42	\$22.29	\$11.36	\$10.09	\$9.67	\$18.09	\$124.92	\$1,159.37
\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0436
\$5.72	\$2.39	\$1.22	\$1.08	\$1.04	\$1.94	\$13.37	\$90.44
\$152.02	\$95.98	\$76.28	\$74.01	\$73.25	\$88.40	\$559.95	\$2,593.71

May 1 - October 31

May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct
127	53	27	24	23	43	297	2,075
\$48.36 \$7.93 \$28.50	\$48.36 \$7.93 \$8.79	\$48.36 \$7.93 \$1.86	\$48.36 \$7.93 \$1.07	\$48.36 \$7.93 \$0.80	\$48.36 \$7.93 \$6.13	\$290.16 \$47.58 \$47.14	\$580.32 \$285.48 \$360.89
\$84.79	\$65.08	\$58.16	\$57.36	\$57.09	\$62.42	\$384.89	\$1,226.69
\$0.4206 \$53.42	\$0.4206 \$22.29	\$0.4206 \$11.36	\$0.4206 \$10.09	\$0.4206 \$9.67	\$0.4206 \$18.09	\$0.4206 \$124.92	\$0.5587 \$1,159.37
\$0.0450 \$5.72	\$0.0450 \$2.39	\$0.0450 \$1.22	\$0.0450 \$1.08	\$0.0450 \$1.04	\$0.0450 \$1.94	\$0.0450 \$13.37	\$0.0436 \$90.44
\$143.92	\$89.76	\$70.73	\$68.53	\$67.80	\$82.44	\$523.17	\$2,476.50

\$8.10	\$6.22	\$5.56	\$5.48	\$5.46	\$5.96	\$36.78	\$117.21
5.63%	6.93%	7.86%	8.00%	8.05%	7.24%	7.03%	4.73%
\$8.10	\$6.22	\$5.56	\$5.48	\$5.46	\$5.96	\$36.78	\$117.21
9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%
\$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%

\$1,234.50

\$46.26

3.89%

\$46.26

9.56%

\$0.00

November 1 - April 30

C&I High Winter Use Medium G-42 SETTLED TEMPORARY RATES Winter Feb 2,699 **Nov** 940 **Dec** 1,649 **Jan** 2,259 Nov-Apr 11,632 Avg TY Normal Usage (Therms) Winter: Cust. Chg \$158.95 \$158.95 \$158.95 \$158.95 \$158.95 \$158.95 \$158.95 \$953.70 \$0.3951 \$0.2632 \$371.39 \$395.12 \$170.83 \$395.12 \$331.38 \$395.12 \$447.20 \$395.12 \$380.60 \$395.12 \$168.30 \$2,346.99 \$1,498.30 Headblock Tailblock HB Threshold Summer: Cust. Chg \$158.95 Headblock Tailblock HB Threshold \$0.3951 \$0.2632 400 Total Base Rate Amount \$530.34 \$724.90 \$885.45 \$1,001.27 \$934.67 \$722.37 \$4,798.99 COG Rate - (Seasonal) \$0.7121 \$0.6398 \$0.7235 \$0.5971 \$0.4800 \$0.3961 \$0.5840 COG amount \$669.37 \$1,055.03 \$1,634.39 \$1,611.57 \$1,174.08 \$649.37 \$6,793.81 LDAC LDAC amount \$0.0370 \$0.0370 \$0.0450 \$0.0450 \$0.0450 \$0.0450 0.0432 \$34.78 \$61.01 \$101.66 \$121.46 \$110.07 \$73.77 \$502.75

\$2,621.49

\$77.26

3.04%

\$77.26

9.56%

\$0.00

\$2,734.29

\$87.38

3.30%

\$87.38

9.56%

\$0.00

\$2,218.82

\$81.56

3.82%

\$81.56

9.56%

\$0.00

0.00%

\$1,445.51

\$63.04

4.56%

\$63.04

9.56%

\$0.00

\$12,095.55

\$418.75

\$418.75

9.56%

\$0.00

November 1 - April 30 C&I High Winter Use Medium G-42

Total Bill

DIFFERENCE: Total Bill

% Change

Base Rate

% Change

% Change

COG & LDAC

C&I High Winter Us								
APPROVED RATES	SEFFECTIVE NOVEMBER							Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Usa		940	1,649	2,259	2,699	2,446	1,639	11,632
i	6/1/2017							
Winter:								
Cust. Chg	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$870.50
Headblock	\$0.3606	\$339.00	\$360.64	\$360.64	\$360.64	\$360.64	\$360.64	\$2,142.20
Tailblock	\$0.2402	\$0.00	\$155.92	\$302.46	\$408.17	\$347.39	\$153.61	\$1,367.54
HB Threshold	1,000							
Summer:								
Cust. Chg	\$145.08							
Headblock	\$0.3606							
Tailblock	\$0.2402							
HB Threshold	400							
Total Base Rate Am	ount	\$484.09	\$661.64	\$808.19	\$913.89	\$853.11	\$659.33	\$4,380.25
COG Rate - (Seasor	nal)	\$0.7121	\$0.6398	\$0.7235	\$0.5971	\$0.4800	\$0.3961	\$0.5840
COG amount		\$669.37	\$1,055.03	\$1,634.39	\$1,611.57	\$1,174.08	\$649.37	\$6,793.81
LDAC		\$0.0370	\$0.0370	\$0.0450	\$0.0450	\$0.0450	\$0.0450	0.0432
LDAC amount		\$34.78	\$61.01	\$101.66	\$121.46	\$110.07	\$73.77	\$502.75
Total Bill		\$1,188.24	\$1,777.68	\$2,544.23	\$2,646.92	\$2,137.26	\$1,382.47	\$11,676.80

\$63.26

3.56%

\$63.26

9.56%

(\$0.00)

\$1,840.94

May 1 - October 31

May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct
1,001	491	269	267	264	437	2,729	14,362
\$158.95	\$158.95	\$158.95	\$158.95	\$158.95	\$158.95	\$953.70	\$1,907.40
\$158.04	\$158.04	\$106.28	\$105.49	\$104.31	\$158.04	\$790.20	\$3,137,19
\$158.18	\$23.95	\$0.00	\$0.00	\$0.00	\$9.84	\$191.98	\$1,690.28
\$475.17	\$340.94	\$265.23	\$264.44	\$263.26	\$326.83	\$1,935.88	\$6,734.87
\$0.4206	\$0.4206	\$0.4206	\$0.4206	\$0,4206	\$0.4206	\$0,4206	\$0.5530
\$421.02	\$206.51	\$113.14	\$112.30	\$111.04	\$183.97	\$1,147.99	\$7,941.80
\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0436
\$45.05	\$22.10	\$12.11	\$12.02	\$11.88	\$19.68	\$122.82	\$625.57
\$941.24	\$569.55	\$390.48	\$388.76	\$386.17	\$530.49	\$3,206.69	\$15,302.25

May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oc
1,001	491	269	267	264	437	2,729	14,362
\$145.08 \$144.24 \$144.33	\$145.08 \$144.24 \$21.85	\$145.08 \$97.00 \$0.00	\$145.08 \$96.28 \$0.00	\$145.08 \$95.20 \$0.00	\$145.08 \$144.24 \$8.98	\$870.48 \$721.20	\$1,740.9 \$2,863.4
\$144.33 \$433.65	\$21.85	\$242.08	\$241.36	\$240.28	\$8.98	\$175.17 \$1,766.85	\$1,542.7 \$6,147.0
\$0.4206 \$421.02	\$0.4206 \$206.51	\$0.4206 \$113.14	\$0.4206 \$112.30	\$0.4206 \$111.04	\$0.4206 \$183.97	\$0.4206 \$1,147.99	\$0.5530 \$7,941.8
\$0.0450 \$45.05	\$0.0450 \$22.10	\$0.0450 \$12.11	\$0.0450 \$12.02	\$0.0450 \$11.88	\$0.0450 \$19.68	\$0.0450 \$122.82	\$0.0436 \$625.57
\$899.72	\$539.78	\$367.33	\$365.68	\$363.20	\$501.96	\$3,037.65	\$14,714.4

\$41.52	\$29.77	\$23.15	\$23.08	\$22.98	\$28.53	\$169.03	\$587.79
4.62%	5.51%	6.30%	6.31%	6.33%	5.68%	5.56%	3.99%
\$41.52	\$29.77	\$23.15	\$23.08	\$22.98	\$28.53	\$169.03	\$587.78
9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%
\$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%

November 1 - April 30

Commercial Rate (
SETTLED TEMPOR								Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Us	age (Therms)	1,158	1,463	1,820	1,382	1,954	1,515	9,292
Winter:	Temp							
Cust. Chg	\$158.95	\$158.95	\$158.95	\$158.95	\$158.95	\$158.95	\$158.95	\$953.72
Headblock	\$0.2248	\$224.84	\$224.84	\$224.84	\$224.84	\$224.84	\$224.84	\$1,349.04
Tailblock	\$0.1498	\$23.67	\$69.36	\$122.84	\$57.22	\$142.91	\$77.15	\$493.14
HB Threshold	1,000							
Summer:								
Cust. Chg	\$158.95							
Headblock	\$0.1629							
Tailblock	\$0.0926							
HB Threshold	1,000							
Total Base Rate Am	ount	\$407.46	\$453.15	\$506.63	\$441.02	\$526.70	\$460.94	\$2,795.91
COG Rate - (Seaso	nal)	\$0.7305	\$0.6582	\$0.7419	\$0.6155	\$0.4984	\$0.4145	\$0.6039
COG amount		\$845.92	\$962.95	\$1,350.26	\$850.62	\$973.87	\$627.97	\$5,611.59
LDAC		\$0.0370	\$0.0370	\$0.0450	\$0.0450	\$0.0450	\$0.0450	0.0427
LDAC amount		\$42.85	\$54.13	\$81.90	\$62.19	\$87.93	\$68.18	\$397.17
Total Bill		\$1,296.23	\$1,470.23	\$1,938.79	\$1,353.83	\$1,588.51	\$1,157.08	\$8,804.66

November	1	- Apr	II 3	U
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Commercial Rate								
APPROVED RATE	S EFFECTIVE NOVEMBER	1, 2016 - MAY 1, 2017						Winter
		Nov	Dec	Jan	Feb	Mar	Apr	Nov-Apr
Avg TY Normal Us	sage (Therms)	1,158	1,463	1,820	1,382	1,954	1,515	9,292
Winter:	6/1/2017							
Cust. Chg	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$870.48
Headblock	\$0.2052	\$205.24	\$205.24	\$205.24	\$205.24	\$205.24	\$205.24	\$1,231.44
Tailblock	\$0.1367	\$21.60	\$63.30	\$112.11	\$52.23	\$130.43	\$70.41	\$450.08
HB Threshold	1,000	Ψ21.00	\$55.55	V.12.11	402.20	ψ100.10	Ψ.σ	ψ100.00
Summer:								
Cust. Chg	\$145.08							
Headblock	\$0.1487							
Tailblock	\$0.0845							
HB Threshold	1,000							
Total Base Rate Ar	nount	\$371.92	\$413.62	\$462.43	\$402.55	\$480.75	\$420.73	\$2,552.00
COG Rate - (Seaso	onal)	\$0.7305	\$0.6582	\$0.7419	\$0.6155	\$0.4984	\$0.4145	\$0.6039
COG amount		\$845.92	\$962.95	\$1,350.26	\$850.62	\$973.87	\$627.97	\$5,611.59
LDAC		\$0.0370	\$0.0370	\$0.0450	\$0.0450	\$0.0450	\$0.0450	0.0427
LDAC amount		\$42.85	\$54.13	\$81.90	\$62.19	\$87.93	\$68.18	\$397.17
Total Bill		\$1,260.69	\$1,430.70	\$1,894.59	\$1,315.36	\$1,542.55	\$1,116.87	\$8,560.76

DIFFERENCE:							
Total Bill	\$35.54	\$39.53	\$44.20	\$38.47	\$45.95	\$40.21	\$243.90
% Change	2.82%	2.76%	2.33%	2.92%	2.98%	3.60%	2.85%
Base Rate	\$35.54	\$39.53	\$44.20	\$38.47	\$45.95	\$40.21	\$243.90
% Change	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%
COG & LDAC	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
% Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

May 1 - October 31

May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct
1,188	953	818	759	782	898	5,398	14,690
\$158.95 \$162.90	\$158.95 \$155.24	\$158.95 \$133.25	\$158.95 \$123.64	\$158.95 \$127.39	\$158.95 \$146.28	\$953.70 \$848.71	\$1,907.42 \$2,197.75
\$17.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.41	\$510.55
\$339.26	\$314.19	\$292.20	\$282.59	\$286.34	\$305.23	\$1,819.82	\$4,615.72
\$0.4574	\$0.4574	\$0.4574	\$0.4574	\$0.4574	\$0.4574	\$0.4574	\$0.5501
\$543.39	\$435.90	\$374.15	\$347.17	\$357.69	\$410.75	\$2,469.05	\$8,080.63
\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0436
\$53.46	\$42.89	\$36.81	\$34.16	\$35.19	\$40.41	\$242.91	\$640.08
\$936.11	\$792.98	\$703.17	\$663.91	\$679.21	\$756.39	\$4,531.77	\$13,336.44

May	Jun	Jul	Aug	Sep	Oct	Summer May-Oct	Total Nov-Oct		
1,188	953	818	759	782	898	5,398	14,690		
\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$145.08	\$870.48	\$1,740.96		
\$148.70	\$141.71	\$121.64	\$112.86	\$116.28	\$133.53	\$774.73	\$2,006.17		
\$15.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.89	\$465.97		
\$309.67	\$286.79	\$266.72	\$257.94	\$261.36	\$278.61	\$1,661.09	\$4,213.10		
\$0.4574	\$0.4574	\$0,4574	\$0.4574	\$0.4574	\$0.4574	\$0.4574	\$0.5501		
\$543.39	\$435.90	\$374.15	\$347.17	\$357.69	\$410.75	\$2,469.05	\$8,080.63		
\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0450	\$0.0436		
\$53.46	\$42.89	\$36.81	\$34.16	\$35.19	\$40.41	\$242.91	\$640.08		
\$906.52	\$765.58	\$677.68	\$639.26	\$654.24	\$729.77	\$4.373.05	\$12.933.81		

\$29.59	\$27.40	\$25.49	\$24.65	\$24.97	\$26.62	\$158.72	\$402.63
3.26%	3.58%	3.76%	3.86%	3.82%	3.65%	3.63%	3.11%
\$29.59	\$27.40	\$25.49	\$24.65	\$24.97	\$26.62	\$158.72	\$402.63
9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%	9.56%
\$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%

	Firm Distribution Rates			MEP Firm Distribution Rates				
	Winter Delivery <u>Charge</u>	Summer Delivery <u>Charge</u>			Winter Delivery <u>Charge</u>		Summer Delivery <u>Charge</u>	
Residential Non Heating - R-1 Customer Charge per Month per Meter All therms	\$16.73 \$ 0.2211	\$16.73 \$ 0.2211	Residential Non Heating - R-5 Customer Charge per Month per Meter All therms	\$	\$21.75 0.2874	\$	\$21.75 0.2874	
Residential Heating - R-3 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at		\$24.21 20 therms \$ 0.3829 \$ 0.3168	Residential Heating - R-6 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at	\$	\$31.48 100 therms 0.4978 0.4119	\$	\$31.48 20 therms 0.4978 0.4119	
Residential Heating - R-4 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at		\$9.69 20 therms \$ 0.1532 \$ 0.1267	Residential Heating - R-7 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at	\$	\$12.59 100 therms 0.1991 0.1646	\$	\$12.59 20 therms 0.1991 0.1646	
Commercial/Industrial - G-41 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at		\$52.98 20 therms \$ 0.4344 \$ 0.2918	Commercial/Industrial - G-44 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at	\$	\$68.88 100 therms 0.5647 0.3793	\$	\$68.88 20 therms 0.5647 0.3793	
Commercial/Industrial - G-42 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at		\$158.95 400 therms \$ 0.3951 \$ 0.2632	Commercial/Industrial - G-45 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at	\$	\$206.63 1000 therms 0.5136 0.3421	\$	\$206.63 400 therms 0.5136 0.3421	
Commercial/Industrial - G-43 Customer Charge per Month per Meter All therms over the first block per month at	\$682.13 \$ 0.2428	\$682.13 \$ 0.1110	Commercial/Industrial - G-46 Customer Charge per Month per Meter All therms over the first block per month at	\$	\$886.77 0.3156	\$	\$886.77 0.1443	
Commercial/Industrial - G-51 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at		\$52.98 100 therms \$ 0.2618 \$ 0.1701	Commercial/Industrial - G-55 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at	\$	\$68.88 100 therms 0.3404 0.2212	\$	\$68.88 100 therms 0.3404 0.2212	
Commercial/Industrial - G-52 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at		\$158.95 1000 therms \$ 0.1629 \$ 0.0926	Commercial/Industrial - G-56 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at All therms over the first block per month at	\$	\$206.63 1000 therms 0.2923 0.1947	1 \$ \$	\$206.63 000 therms 0.2118 0.1204	
<u>Commercial/Industrial - G-53</u> Customer Charge per Month per Meter All therms over the first block per month at	\$701.99 \$ 0.1571	\$701.99 \$ 0.0754	Commercial/Industrial - G-57 Customer Charge per Month per Meter All therms over the first block per month at	\$	\$912.59 0.2042	\$	\$912.59 0.0980	
<u>Commercial/Industrial - G-54</u> Customer Charge per Month per Meter All therms over the first block per month at	\$701.99 \$ 0.0599	\$701.99 \$ 0.0325	Commercial/Industrial - G-58 Customer Charge per Month per Meter All therms over the first block per month at	\$	\$912.59 0.0779	\$	\$912.59 0.0423	