

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical Residential Heating Bill - 706 therms/year
Comparison of Winter 2022-2023 vs. Winter 2021-2022

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
1																
2	Typical Usage: therms (*)	51	96	125	121	119	70	582	43	19	14	13	13	24	124	706
3	Winter 2022 - 2023															
4	Customer Charge units @	\$ 22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20								
5	All units @	\$0.9266	\$46.83	\$89.37	\$116.17	\$112.49	\$110.21	\$539.63								
6	COG 1	\$1.1289	\$57.05					\$57.05								
7	COG 2	\$1.1289		\$108.88				\$108.88								
8	COG 3	\$1.1289		\$141.53				\$141.53								
9	COG 4	\$1.1289			\$137.06			\$137.06								
10	COG 5	\$1.1289				\$134.27		\$134.27								
11	COG 6	\$1.1289					\$78.66	\$78.66								
12	LDAC	\$0.1845	\$9.32	\$17.80	\$23.13	\$22.40	\$21.94	\$12.86								
13	Summer 2023															
14	Customer Charge units @	\$ 22.20							\$ 22.20	\$22.20	\$22.20	\$22.20	\$ 22.20	\$22.20	\$133.20	
15	All units @	\$0.9266							\$39.60	\$17.16	\$12.52				\$69.28	
16	All eff. Aug 1, 2023 units @	\$0.9259										\$11.72	\$11.58	\$22.02	\$45.33	
17	COG 1	\$0.6916							\$29.56						\$29.56	
18	COG 2	\$0.6916								\$12.81					\$12.81	
19	COG 3	\$0.6916									\$9.35				\$9.35	
20	COG 4	\$0.6916										\$8.76			\$8.76	
21	COG 5	\$0.6916											\$8.65		\$8.65	
22	COG 6	\$0.6916												\$16.45	\$16.45	
23	Summer Period Weighted Avg. COG	\$0.6916														
24	LDAC	\$ 0.1845							\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83	
25	TOTAL		\$135.41	\$238.25	\$303.02	\$294.15	\$288.62	\$178.27	\$99.24	\$55.59	\$46.56	\$45.01	\$44.75	\$65.06	\$356.21	\$1,793.93
Base Rate Change Winter		\$ Change	\$8.40	\$16.04	\$20.85	\$20.19	\$19.78	\$11.59								
		% Change	7.55%	8.35%	8.75%	8.51%	7.98%	7.51%								
COG Change Winter		\$ Change	\$9.59	\$18.30	\$29.01	\$22.18	\$8.83	\$5.17								
		% Change	8.62%	9.52%	12.17%	9.34%	3.56%	3.35%								
LDAC Change Winter		\$ Change	\$6.14	\$11.71	\$14.88	\$14.41	\$12.24	\$7.17								
		% Change	5.51%	6.09%	6.25%	6.07%	4.94%	4.65%								
26																
27	Typical Usage: therms		51	96	125	121	119	70	43	19	14	13	13	24	124	706
28	Winter 2021 - 2022															
29	Customer Charge units @	\$ 22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20								
30	First 50 units @	\$0.7603	\$38.02	\$38.02	\$38.02	\$38.02	\$38.02	\$228.09								
31	Over 50 units @	\$0.7603	\$0.41	\$35.32	\$57.30	\$54.29	\$52.41	\$214.69								
32	COG 1	\$0.9392	\$47.47					\$47.47								
33	COG 2	\$0.9392		\$90.59				\$90.59								
34	COG 3	\$0.8975		\$112.52				\$112.52								
35	COG 4	\$0.9462			\$114.87			\$114.87								
36	COG 5	\$1.0547				\$125.44		\$125.44								
37	COG 6	\$1.0547					\$73.49	\$73.49								
38	Winter Period Weighted Avg. COG	\$0.9691														
39	LDAC	\$ 0.0631	\$3.19	\$6.09	\$8.25	\$7.99		\$9.28								
40	LDAC 2, January 1	\$ 0.0658						\$16.24								
41	LDAC 3, March 1	\$ 0.0816					\$9.71	\$5.69								
42	Summer 2022															
43	Customer Charge units @	\$ 22.20							\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20	
44	First 50 units @	\$0.6782							\$28.98	\$12.56	\$9.17				\$50.71	
45	Over 50 units @	\$0.6782							\$0.00	\$0.00	\$0.00				\$0.00	
46	Eff. Aug 1, 2022 All @	\$0.8841										\$11.19			\$11.19	
47	Eff. Sept 1, 2022 All @	\$0.9266											\$11.59	\$22.04	\$33.63	
48	COG 1	\$0.6361							\$27.18						\$27.18	
49	COG 2	\$0.9126								\$16.90					\$16.90	
50	COG 3	\$0.9126									\$12.33				\$12.33	
51	COG 4	\$0.9126										\$11.55			\$11.55	
52	COG 5	\$1.1204											\$14.02		\$14.02	
53	COG 6	\$1.1204												\$26.65	\$26.65	
54	Summer Period Weighted Avg. COG	\$0.8781														
55	LDAC	\$ 0.0816							\$3.49	\$1.51	\$1.10	\$1.03	\$1.02	\$1.94	\$10.10	
56	TOTAL		\$111.28	\$192.20	\$238.28	\$237.37	\$247.78	\$154.35	\$81.85	\$53.17	\$44.80	\$45.98	\$48.83	\$72.83	\$347.47	\$1,528.73
57	Change		\$24.13	\$46.05	\$64.74	\$56.78	\$40.84	\$23.93	\$17.38	\$2.41	\$1.76	(\$0.97)	(\$4.09)	(\$7.77)	\$8.74	\$265.20
58	% Chg		21.68%	23.96%	27.17%	23.92%	16.48%	15.50%	21.24%	4.54%	3.93%	-2.10%	-8.37%	-10.67%	2.51%	17.35%

*-Note- Weighted by usage. Most recent 12 months actual Weather Normalized.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-40 Commercial & Industrial Bill - 2,099 therms/year
Comparison of Winter 2022-2023 vs. Winter 2021-2022

Northern Utilities, Inc.
 New Hampshire Division
 REVISED Attachment NUI-SED-3
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		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
1	Typical Usage: therms (*)	138	290	401	397	373	213	1,812	111	40	26	26	26	59	287	2,099
3	Winter 2022 - 2023															
4	Customer Charge units @	\$ 80.00	\$ 80.00	\$ 80.00	\$ 80.00	\$ 80.00	\$ 80.00	\$ 480.00							\$ 480.00	
5	All units @	\$ 35.33	\$ 74.09	\$ 102.44	\$ 101.49	\$ 95.33	\$ 54.36	\$ 463.03							\$ 45.20	
6	COG 1	\$ 157.96						\$ 157.96							\$ 28.21	
7	COG 2		\$ 331.26					\$ 331.26							\$ 81.97	
8	COG 3			\$ 458.00				\$ 458.00							\$ 29.48	
9	COG 4				\$ 453.76			\$ 453.76							\$ 19.11	
10	COG 5					\$ 426.24		\$ 426.24							\$ 19.13	
11	COG 6						\$ 243.03	\$ 243.03					\$ 18.95		\$ 18.95	
12	LDAC	\$ 0.0488	\$ 6.75	\$ 14.15	\$ 19.56	\$ 19.38	\$ 18.20	\$ 10.38	\$ 88.40					\$ 43.47	\$ 43.47	
13	Summer 2023															
14	Customer Charge units @	\$ 80.00							\$ 80.00	\$ 80.00	\$ 80.00	\$ 80.00	\$ 80.00	\$ 80.00	\$ 480.00	
15	All units @	\$ 0.2556							\$ 28.38	\$ 10.21	\$ 6.62				\$ 45.20	
16	All eff. Aug 1, 2023 units @	\$ 0.2554										\$ 6.62	\$ 6.56	\$ 15.04	\$ 28.21	
17	COG 1	\$ 0.7383							\$ 81.97						\$ 81.97	
18	COG 2	\$ 0.7383								\$ 29.48					\$ 29.48	
19	COG 3	\$ 0.7383									\$ 19.11				\$ 19.11	
20	COG 4	\$ 0.7383										\$ 19.13			\$ 19.13	
21	COG 5	\$ 0.7383											\$ 18.95		\$ 18.95	
22	COG 6	\$ 0.7383												\$ 43.47	\$ 43.47	
23	Summer Period Weighted Avg. COG	\$ 0.7383														
24	LDAC	\$ 0.0488							\$ 5.42	\$ 1.95	\$ 1.26	\$ 1.26	\$ 1.25	\$ 2.87	\$ 14.02	
25	TOTAL	\$ 280.03	\$ 499.49	\$ 659.99	\$ 654.62	\$ 619.78	\$ 387.77	\$ 3,101.68	\$ 195.77	\$ 121.64	\$ 106.99	\$ 107.02	\$ 106.76	\$ 141.38	\$ 779.55	\$ 3,881.23
	Base Rate Change Winter	\$ Change	\$ 11.35	\$ 18.42	\$ 23.59	\$ 23.41	\$ 22.29	\$ 14.82	\$ 113.88							
		% Change	5%	4%	4%	4%	4%	4%	4%							
	COG Change Winter	\$ Change	\$ 25.94	\$ 54.41	\$ 91.94	\$ 71.75	\$ 26.93	\$ 15.35	\$ 286.32							
		% Change	11%	13%	17%	13%	5%	4%	11%							
	LDAC Change Winter	\$ Change	\$ 1.77	\$ 3.71	\$ 1.60	\$ 1.59	\$ -0.60	\$ -0.34	\$ 7.73							
		% Change	0.7%	0.9%	0.3%	0.3%	-0.1%	-0.1%	0.3%							
26	Typical Usage: therms	138	290	401	397	373	213	1,812	111	40	26	26	26	59	287	2,099
28	Winter 2021 - 2022															
29	Customer Charge units @	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 450.54							\$ 465.27	
30	First 75 units @	\$ 0.2090	\$ 15.68	\$ 15.68	\$ 15.68	\$ 15.68	\$ 15.68	\$ 94.05							\$ 29.43	
31	Over 75 units @	\$ 0.2090	\$ 13.21	\$ 44.91	\$ 68.09	\$ 67.31	\$ 62.28	\$ 284.56							\$ 7.53	
32	COG 1	\$ 0.9551	\$ 132.01					\$ 132.01							\$ 6.01	
33	COG 2	\$ 0.9551		\$ 276.85				\$ 276.85							\$ 21.61	
34	COG 3	\$ 0.9134			\$ 366.06			\$ 366.06							\$ 73.61	
35	COG 4	\$ 0.9621				\$ 382.01		\$ 382.01							\$ 37.51	
36	COG 5	\$ 1.0706					\$ 399.31	\$ 399.31							\$ 24.32	
37	COG 6	\$ 1.0706						\$ 227.68							\$ 24.35	
38	Winter Period Weighted Avg. COG	\$ 0.9847						\$ 227.68							\$ 29.45	
39	LDAC	\$ 0.0360	\$ 4.98	\$ 10.44				\$ 15.41							\$ 67.55	
40	LDAC 2, January 1	\$ 0.0448			\$ 17.95	\$ 17.79		\$ 35.74							\$ 67.55	
41	LDAC 3, March 1	\$ 0.0504					\$ 18.80	\$ 10.72							\$ 67.55	
42	Summer 2022															
43	Customer Charge** units @	\$ 75.09							\$ 75.09	\$ 75.09	\$ 75.09	\$ 80.00	\$ 80.00	\$ 80.00	\$ 465.27	
44	First 75 units @	\$ 0.2090							\$ 15.68	\$ 8.35	\$ 5.41				\$ 29.43	
45	Over 75 units @	\$ 0.2090							\$ 7.53	\$ 0.00	\$ 0.00				\$ 7.53	
46	Eff. Aug. 1, 2022 All @	\$ 0.2320										\$ 6.01			\$ 6.01	
47	Eff. Sept. 1, 2022 All @	\$ 0.2556											\$ 6.56	\$ 15.05	\$ 21.61	
48	COG 1	\$ 0.6630							\$ 73.61						\$ 73.61	
49	COG 2	\$ 0.9395								\$ 37.51					\$ 37.51	
50	COG 3	\$ 0.9395									\$ 24.32				\$ 24.32	
51	COG 4	\$ 0.9395										\$ 24.35			\$ 24.35	
52	COG 5	\$ 1.1473											\$ 29.45		\$ 29.45	
53	COG 6	\$ 1.1473												\$ 67.55	\$ 67.55	
54	Summer Period Weighted Avg. COG	\$ 0.8938														
55	LDAC	\$ 0.0504							\$ 5.60	\$ 2.01	\$ 1.30	\$ 1.31	\$ 1.29	\$ 2.97	\$ 14.48	
56	TOTAL	\$ 240.97	\$ 422.96	\$ 542.86	\$ 557.87	\$ 571.15	\$ 357.93	\$ 2,693.75	\$ 177.50	\$ 122.96	\$ 106.13	\$ 111.67	\$ 117.31	\$ 165.57	\$ 801.13	\$ 3,494.88
57	Change	\$ 39.06	\$ 76.54	\$ 117.12	\$ 96.75	\$ 48.62	\$ 29.83	\$ 407.93	\$ 18.27	\$ (1.33)	\$ 0.87	\$ (4.65)	\$ (10.55)	\$ (24.19)	\$ (21.58)	\$ 386.35
58	% Chg	16.21%	18.10%	21.58%	17.34%	8.51%	8.34%	15.14%	10.29%	-1.08%	0.82%	-4.16%	-8.99%	-14.61%	-2.69%	11.05%

*-Note- Weighted by usage. Actual Weather Normalized.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-41 Commercial & Industrial Bill - 22,095 therms/year
Comparison of Winter 2022-2023 vs. Winter 2021-2022

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
1																
2	Typical Usage: therms (*)	1,710	3,040	3,954	3,758	3,606	2,229	18,298	1,283	526	391	382	389	825	3,797	22,095
3	Winter 2022 - 2023															
4	Customer Charge units @	\$ 225.00						\$1,350.00								
5	All units @	\$0.2883	\$492.93	\$876.44	\$1,139.97	\$1,083.53	\$1,039.72	\$642.62								
6	COG 1	\$1.1428	\$1,953.94					\$1,953.94								
7	COG 2	\$1.1428		\$3,474.16				\$3,474.16								
8	COG 3	\$1.1428		\$4,518.78				\$4,518.78								
9	COG 4	\$1.1428			\$4,295.04			\$4,295.04								
10	COG 5	\$1.1428				\$4,121.38		\$4,121.38								
11	COG 6	\$1.1428					\$2,547.31	\$2,547.31								
12	LDAC	\$0.0488	\$83.44	\$148.35	\$192.96	\$183.41	\$175.99	\$108.78								
13	Summer 2023															
14	Customer Charge units @	\$ 225.00							\$ 225.00	\$225.00	\$225.00	\$225.00	\$ 225.00	\$225.00	\$225.00	\$1,350.00
15	All units @	\$0.2883							\$370.02	\$151.70	\$112.67					\$634.40
16	All eff. Aug 1, 2023 units @	\$0.2881										\$110.06	\$112.18	\$237.76		\$460.00
17	COG 1	\$0.7383							\$947.58							\$947.58
18	COG 2	\$0.7383								\$388.49						\$388.49
19	COG 3	\$0.7383									\$288.55					\$288.55
20	COG 4	\$0.7383										\$282.04				\$282.04
21	COG 5	\$0.7383											\$287.48			\$287.48
22	COG 6	\$0.7383												\$609.31		\$609.31
23	Summer Period Weighted Avg. COG	\$0.7383														
24	LDAC	\$ 0.0488							\$62.63	\$25.68	\$19.07	\$18.64	\$19.00	\$40.27	\$185.30	
25	TOTAL		\$2,755.30	\$4,723.96	\$6,076.71	\$5,786.98	\$5,562.10	\$3,523.70	\$28,428.76	\$1,605.24	\$790.88	\$645.29	\$635.73	\$643.67	\$1,112.35	\$5,433.15
	Base Rate Change Winter	\$ Change	\$42.20	\$73.19	\$94.49	\$89.93	\$86.39	\$54.30	\$440.50							
		% Change	1.78%	1.81%	1.87%	1.80%	1.65%	1.64%	1.76%							
	COG Change Winter	\$ Change	\$320.93	\$570.62	\$907.08	\$679.13	\$260.38	\$160.93	\$2,899.07							
		% Change	13.54%	14.12%	17.93%	13.57%	4.99%	4.86%	11.59%							
	LDAC Change Winter	\$ Change	\$21.89	\$38.91	\$15.82	\$15.03	-\$5.77	-\$3.57	\$82.31							
		% Change	0.923%	0.963%	0.313%	0.300%	-0.111%	-0.108%	0.33%							
26																
27	Typical Usage: therms	1,710	3,040	3,954	3,758	3,606	2,229	18,298	1,283	526	391	382	389	825	3,797	22,095
28	Winter 2021 - 2022															
29	Customer Charge units @	\$ 222.64						\$1,335.84								
30	All units @	\$0.2650	\$453.09	\$805.61	\$1,047.84	\$995.96	\$959.69	\$4,848.89								
31	COG 1	\$0.9551	\$1,633.01					\$1,633.01								
32	COG 2	\$0.9551		\$2,903.54				\$2,903.54								
33	COG 3	\$0.9134		\$3,611.70				\$3,611.70								
34	COG 4	\$0.9621			\$3,615.91			\$3,615.91								
35	COG 5	\$1.0706				\$3,861.00		\$3,861.00								
36	COG 6	\$1.0706					\$2,386.37	\$2,386.37								
37	Winter Period Weighted Avg. COG	\$0.9844														
38	LDAC	\$ 0.0360	\$61.55	\$109.44				\$170.99								
39	LDAC 2, January 1	\$ 0.0448			\$177.14	\$168.37		\$345.52								
40	LDAC 3, March 1	\$ 0.0504					\$181.76	\$112.34								
41	Summer 2022															
42	Customer Charge** units @	\$ 222.64							\$222.64	\$222.64	\$222.64	\$225.00	\$225.00	\$225.00	\$225.00	\$1,342.92
43	All units @	\$0.2120							\$272.09	\$111.55	\$82.85					\$466.50
44	Eff. Aug. 1, 2022 All @	\$0.2744										\$104.82				\$104.82
45	Eff. Sept. 1, 2022 All @	\$0.2883											\$112.26	\$237.93		\$350.19
46	COG 1	\$0.6630							\$850.94							\$850.94
47	COG 2	\$0.9395								\$494.37						\$494.37
48	COG 3	\$0.9395									\$367.18					\$367.18
49	COG 4	\$0.9395										\$358.90				\$358.90
50	COG 5	\$1.1473											\$446.74			\$446.74
51	COG 6	\$1.1473												\$946.85		\$946.85
52	Summer Period Weighted Avg. COG	\$0.9125														
53	LDAC	\$ 0.0504							\$64.69	\$26.52	\$19.70	\$19.25	\$19.62	\$41.59	\$191.38	
54	TOTAL		\$2,370.29	\$4,041.24	\$5,059.33	\$5,002.88	\$5,221.10	\$3,312.04	\$25,006.88	\$1,410.36	\$855.08	\$692.37	\$707.97	\$803.62	\$1,451.37	\$5,920.78
55	Change		\$385.01	\$682.72	\$1,017.38	\$784.10	\$341.00	\$211.66	\$3,421.87	\$194.88	(\$64.20)	(\$47.08)	(\$72.24)	(\$159.96)	(\$339.03)	(\$487.63)
56	% Chg		16.24%	16.89%	20.11%	15.67%	6.53%	6.39%	13.68%	13.82%	-7.51%	-6.80%	-10.20%	-19.90%	-23.36%	-8.24%

*-Note- Weighted by usage. Actual Weather Normalized.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-51 Commercial & Industrial Bill - 19,136 therms/year
Comparison of Winter 2022-2023 vs. Winter 2021-2022

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual	
1																	
2	Typical Usage: therms (*)	1,484	1,967	2,180	2,139	2,117	1,720	11,606	1,465	1,237	1,134	1,220	1,164	1,310	7,530	19,136	
3	Winter 2022 - 2023																
4	Customer Charge units @	\$ 225.00						\$1,350.00									
5	All units @	\$0.1770						\$2,054.24									
6	COG 1	\$1.0536						\$1,563.64									
7	COG 2	\$1.0536	\$2,072.05					\$2,072.05									
8	COG 3	\$1.0536		\$2,296.50				\$2,296.50									
9	COG 4	\$1.0536			\$2,253.32			\$2,253.32									
10	COG 5	\$1.0536				\$2,230.31		\$2,230.31									
11	COG 6	\$1.0536					\$1,812.11	\$1,812.11									
12	LDAC	\$0.0488	\$72.42	\$95.97	\$106.37	\$104.37	\$103.30	\$83.93	\$566.37								
13	Summer 2023																
14	Customer Charge units @	\$ 225.00						\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$1,350.00	
15	All units @	\$0.1770						\$259.32	\$218.92	\$200.72	\$215.09	\$205.27	\$230.98	\$230.98	\$230.98	\$651.34	
16	All eff. Aug 1, 2023 units @	\$0.1763						\$927.56								\$927.56	
17	COG 1	\$0.6331							\$783.04							\$783.04	
18	COG 2	\$0.6331								\$717.93						\$717.93	
19	COG 3	\$0.6331									\$772.40					\$772.40	
20	COG 4	\$0.6331										\$737.13				\$737.13	
21	COG 5	\$0.6331											\$829.47			\$829.47	
22	COG 6	\$0.6331															
23	Summer Period Weighted Avg. COG	\$0.6331															
24	LDAC	\$ 0.0488							\$71.50	\$60.36	\$55.34	\$59.54	\$56.82	\$63.94	\$63.94	\$367.49	
25	TOTAL		\$2,123.75	\$2,741.11	\$3,013.67	\$2,961.24	\$2,933.29	\$2,425.47	\$16,198.53	\$1,483.38	\$1,287.31	\$1,198.99	\$1,272.03	\$1,224.22	\$1,349.39	\$7,815.31	\$24,013.85
	Base Rate Change Winter	\$ Change	-\$16.66	-\$9.62	-\$6.51	-\$7.11	-\$7.42	-\$13.22	-\$60.53								
		% Change	-0.92%	-0.42%	-0.26%	-0.28%	-0.27%	-0.58%	-0.43%								
	COG Change Winter	\$ Change	\$309.14	\$409.65	\$544.92	\$430.52	\$196.44	\$159.61	\$2,050.27								
		% Change	17.06%	17.69%	22.09%	17.02%	7.15%	6.99%	14.49%								
	LDAC Change Winter	\$ Change	\$19.00	\$25.17	\$8.72	\$8.55	-\$3.39	-\$2.75	\$55.30								
		% Change	1.05%	1.09%	0.35%	0.34%	-0.12%	-0.12%	0.39%								
26																	
27	Typical Usage: therms		1,484	1,967	2,180	2,139	2,117	1,720	11,606	1,465	1,237	1,134	1,220	1,164	1,310	7,530	19,136
28	Winter 2021 - 2022																
29	Customer Charge units @	\$ 222.64						\$1,335.84									
30	First 1,300 units @	\$0.1937						\$1,510.86									
31	Over 1,300 units @	\$0.1624						\$618.07									
32	COG 1	\$0.8453	\$1,254.50					\$1,254.50									
33	COG 2	\$0.8453		\$1,662.40				\$1,662.40									
34	COG 3	\$0.8036			\$1,751.58			\$1,751.58									
35	COG 4	\$0.8523				\$1,822.80		\$1,822.80									
36	COG 5	\$0.9608					\$2,033.87	\$2,033.87									
37	COG 6	\$0.9608					\$1,652.50	\$1,652.50									
38	Winter Period Weighted Avg. COG	\$0.8769															
39	LDAC	\$ 0.0360	\$53.43	\$70.80				\$124.23									
40	LDAC 2, January 1	\$ 0.0448			\$97.65	\$95.81		\$193.46									
41	LDAC 3, March 1	\$ 0.0504					\$106.69	\$86.68									
42	Summer 2022																
43	Customer Charge** units @	\$ 222.64							\$222.64	\$222.64	\$222.64	\$225.00	\$225.00	\$225.00	\$225.00	\$1,342.92	
44	First 1,000 units @	\$0.1562						\$156.20	\$156.20	\$156.20	\$156.20	\$156.20	\$156.20	\$156.20	\$156.20	\$468.60	
45	Over 1,000 units @	\$0.1312						\$61.02	\$31.07	\$17.58	\$17.58	\$17.58	\$17.58	\$17.58	\$17.58	\$109.67	
46	Eff. Aug. 1, 2022 All @	\$0.1656									\$202.04					\$202.04	
47	Eff. Sept. 1, 2022 All @	\$0.1770										\$202.04				\$202.04	
48	COG 1	\$0.5925						\$868.08					\$206.08	\$231.90	\$231.90	\$437.98	
49	COG 2	\$0.8690							\$868.08							\$868.08	
50	COG 3	\$0.8690							\$1,074.80							\$1,074.80	
51	COG 4	\$0.8690								\$985.44						\$985.44	
52	COG 5	\$1.0768									\$1,060.21					\$1,060.21	
53	COG 6	\$1.0768										\$1,253.74				\$1,253.74	
54	Summer Period Weighted Avg. COG	\$0.8835											\$1,253.74	\$1,410.79	\$1,410.79	\$1,410.79	
55	LDAC	\$ 0.0504							\$73.84	\$62.34	\$57.15	\$61.49	\$58.68	\$66.03	\$66.03	\$379.53	
56	TOTAL		\$1,812.28	\$2,315.91	\$2,466.54	\$2,529.27	\$2,747.66	\$2,281.83	\$14,153.49	\$1,381.78	\$1,547.05	\$1,439.01	\$1,548.73	\$1,743.50	\$1,933.72	\$9,593.80	\$23,747.29
57	Change		\$311.47	\$425.21	\$547.13	\$431.97	\$185.63	\$143.64	\$2,045.04	\$101.60	(\$259.74)	(\$240.03)	(\$276.70)	(\$519.28)	(\$584.34)	(\$1,778.49)	\$266.56
58	% Chg		17.19%	18.36%	22.18%	17.08%	6.76%	6.29%	14.45%	7.35%	-16.79%	-16.68%	-17.87%	-29.78%	-30.22%	-18.54%	1.12%

*Note- Weighted by usage. Actual Weather Normalized.

NORTHERN UTILITIES, INC. -- NEW HAMPSHIRE DIVISION

Impact of Rate Changes on Residential Heating Bills by Usage Level

Forecast Winter 2022-2023 vs. Actual Winter 2021-2022

Northern Utilities, Inc.
New Hampshire Division
REVISED Attachment NUI-SED-3
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Residential Heating		
	<u>Winter 2021- 2022</u>	<u>Winter 2022 2023</u>
Customer Charge	\$22.20	\$22.20
First 50 Therms	\$0.7603	\$0.9266
Over 50 therms	\$0.7603	\$0.9266
LDAC**	\$0.0702	\$0.1845
CGA	\$0.9691	\$1.1289

	Usage (Therms)	Winter 2021-2022 Bill Amount	Winter 2022-2023 Bill Amount	Total Bill		Base Rate		CGA		LDAC	
	5	\$31.20	\$33.40	\$2.20	7.1%	\$0.83	2.7%	\$0.80	2.6%	\$0.57	1.8%
	10	\$40.20	\$44.60	\$4.40	11.0%	\$1.66	4.1%	\$1.60	4.0%	\$1.14	2.8%
	20	\$58.19	\$67.00	\$8.81	15.1%	\$3.33	5.7%	\$3.20	5.5%	\$2.29	3.9%
	25	\$67.19	\$78.20	\$11.01	16.4%	\$4.16	6.2%	\$4.00	6.0%	\$2.86	4.3%
	30	\$76.19	\$89.40	\$13.21	17.3%	\$4.99	6.5%	\$4.79	6.3%	\$3.43	4.5%
	45	\$103.18	\$123.00	\$19.82	19.2%	\$7.48	7.2%	\$7.19	7.0%	\$5.14	5.0%
	50	\$112.18	\$134.20	\$22.02	19.6%	\$8.32	7.4%	\$7.99	7.1%	\$5.71	5.1%
	75	\$157.17	\$190.20	\$33.03	21.0%	\$12.48	7.9%	\$11.99	7.6%	\$8.57	5.5%
	Monthly*	\$247.15	\$302.20	\$55.05	22.3%	\$20.79	8.4%	\$19.98	8.1%	\$14.28	5.8%
	150	\$292.14	\$358.20	\$66.06	22.6%	\$24.95	8.5%	\$23.97	8.2%	\$17.14	5.9%
	200	\$382.13	\$470.20	\$88.07	23.0%	\$33.27	8.7%	\$31.96	8.4%	\$22.85	6.0%

* Monthly amount for benchmarking purposes, does not represent the average monthly use of Northern's residential class.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical Residential Heating Bill - 124 therms/Summer
Comparison of Summer 2023 vs. Summer 2022

				May	June	July	August	Sept	October	Summer	
1	Typical Usage: therms(*)			43	19	14	13	13	24	124	
3	Summer 2023										
4	Customer Charge	units @	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20	
5	All	units @	\$0.9266	\$39.60	\$17.16	\$12.52				\$69.28	
6	All eff. Aug 1, 2023	units @	\$0.9259				\$11.72	\$11.58	\$22.02	\$45.33	
7		COG 1	\$0.6916	\$29.56						\$29.56	
8		COG 2	\$0.6916		\$12.81					\$12.81	
9		COG 3	\$0.6916			\$9.35				\$9.35	
10		COG 4	\$0.6916				\$8.76			\$8.76	
11		COG 5	\$0.6916					\$8.65		\$8.65	
12		COG 6	\$0.6916						\$16.45	\$16.45	
13	Summer Period 2021 Avg. COG			\$0.6916*							
14	LDAC			\$0.1845	\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83
15	TOTAL			\$99.24	\$55.59	\$46.56	\$45.01	\$44.75	\$65.06	\$356.21	
Base Rate Change				\$ Change	\$10.62	\$4.60	\$3.36	\$0.00	\$0.00	\$0.00	\$18.57
				% Change	12.97%	8.65%	7.49%	0.00%	0.00%	0.00%	5.35%
COG Change				\$ Change	\$2.37	-\$4.09	-\$2.99	-\$2.80	-\$5.36	-\$10.20	-\$23.07
				% Change	2.90%	-7.70%	-6.67%	-6.09%	-10.99%	-14.00%	-6.64%
LDAC Change				\$ Change	\$4.40	\$1.91	\$1.39	\$1.30	\$1.29	\$2.45	\$12.73
				% Change	5.37%	3.58%	3.10%	2.83%	2.64%	3.36%	3.66%
<hr/>											
					May	June	July	August	Sept	October	Summer
16	Typical Usage: therms			43	19	14	13	13	24	124	
18	Summer 2022										
19	Customer Charge	units @	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20	
20	First	50 units @	\$0.6782	\$28.98	\$12.56	\$9.17				\$50.71	
21	Over	50 units @	\$0.6782	\$0.00	\$0.00	\$0.00				\$0.00	
22	Eff. Aug 1, 2022	All @	\$0.8841				\$11.19			\$11.19	
23	Eff. Sept 1, 2022	All @	\$0.9266					\$11.59	\$22.04	\$33.63	
24		COG 1	\$0.6361	\$27.18						\$27.18	
25		COG 2	\$0.9126		\$16.90					\$16.90	
26		COG 3	\$0.9126			\$12.33				\$12.33	
27		COG 4	\$0.9126				\$11.55			\$11.55	
28		COG 5	\$1.1204					\$14.02		\$14.02	
29		COG 6	\$1.1204						\$26.65	\$26.65	
30	Summer Period 2020 Avg. COG			\$0.8781*							
31	LDAC			\$0.0816	\$3.49	\$1.51	\$1.10	\$1.03	\$1.02	\$1.94	\$10.10
32	TOTAL			\$81.85	\$53.17	\$44.80	\$45.98	\$48.83	\$72.83	\$347.47	
33	Change			\$17.38	\$2.41	\$1.76	-\$0.97	-\$4.09	-\$7.77	\$8.74	
34	% Chg			21.24%	4.54%	3.93%	-2.10%	-8.37%	-10.67%	2.51%	

*-Note- Weighted by usage. Actual Weather Normalized.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-40 Commercial & Industrial Bill - 287 therms/Summer
Comparison of Summer 2023 vs. Summer 2022

			May	June	July	August	Sept	October	Summer
1	Typical Usage: therms(*)		111	40	26	26	26	59	<u>287</u>
2									
3	Summer 2023								
4	Customer Charge	units @ \$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$480.00
5	All	units @ \$0.2556	\$28.38	\$10.21	\$6.62				\$45.20
6	All eff. Aug 1, 2023	units @ \$0.2554				\$6.62	\$6.56	\$15.04	\$28.21
7		COG 1 \$0.7383	\$81.97						\$81.97
8		COG 2 \$0.7383		\$29.48					\$29.48
9		COG 3 \$0.7383			\$19.11				\$19.11
10		COG 4 \$0.7383				\$19.13			\$19.13
11		COG 5 \$0.7383					\$18.95		\$18.95
12		COG 6 \$0.7383						\$43.47	\$43.47
13	Summer Period 2021 Avg. COG \$0.7383*								
14	LDAC \$0.0488		\$5.42	\$1.95	\$1.26	\$1.26	\$1.25	\$2.87	\$14.02
15	TOTAL		\$195.77	\$121.64	\$106.99	\$107.02	\$106.76	\$141.38	\$779.55
	Base Rate Change	\$ Change	\$10.08	\$6.77	\$6.12	\$11.53	\$11.47	\$19.95	\$65.91
		% Change	5.68%	5.51%	5.76%	10.80%	10.20%	12.42%	8.38%
	COG Change	\$ Change	\$8.36	-\$8.03	-\$5.21	-\$5.21	-\$10.50	-\$24.08	-\$44.68
		% Change	4.71%	-6.53%	-4.91%	-4.88%	-9.34%	-14.99%	-5.68%
	LDAC Change	\$ Change	-\$0.18	-\$0.06	-\$0.04	-\$0.04	-\$0.04	-\$0.09	-\$0.46
		% Change	-0.10%	-0.05%	-0.04%	-0.04%	-0.04%	-0.06%	-0.06%
16	Typical Usage: therms		111	40	26	26	26	59	<u>287</u>
17									
18	Summer 2022								
19	Customer Charge	units @ \$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$450.54
20	First	75 units @ \$0.2090	\$15.68	\$8.35	\$5.41				\$29.43
21	Over	75 units @ \$0.2090	\$7.53	\$0.00	\$0.00				\$7.53
22	Eff, Aug. 1, 2022	All @ \$0.2320				\$6.01			\$6.01
23	Eff, Sept. 1, 2022	All @ \$0.2556					\$6.56	\$15.05	\$21.61
24		COG 1 \$0.6630	\$73.61						\$73.61
25		COG 2 \$0.9395		\$37.51					\$37.51
26		COG 3 \$0.9395			\$24.32				\$24.32
27		COG 4 \$0.9395				\$24.35			\$24.35
28		COG 5 \$1.1473					\$29.45		\$29.45
29		COG 6 \$1.1473						\$67.55	\$67.55
30	Summer Period 2020 Avg. COG \$0.8938*								
31	LDAC \$0.0504		\$5.60	\$2.01	\$1.30	\$1.31	\$1.29	\$2.97	\$14.48
32	TOTAL		\$177.50	\$122.96	\$106.13	\$106.76	\$112.40	\$160.66	\$786.40
33	Change		\$18.27	-\$1.33	\$0.87	\$0.26	-\$5.64	-\$19.28	-\$6.85
34	% Chg		10.29%	-1.08%	0.82%	0.24%	-5.01%	-12.00%	-0.87%

*-Note- Weighted by usage. Actual Weather Normalized.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-41 Commercial & Industrial Bill - 3,797 therms/Summer
Comparison of Summer 2023 vs. Summer 2022

			May	June	July	August	Sept	October	Summer
1	Typical Usage: therms(1)		1,283	526	391	382	389	825	3,797
3	Summer 2023								
4	Customer Charge	units @ \$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84
5	All	units @ \$0.1895	\$243.22	\$99.72	\$74.06				\$416.99
6	All eff. Aug 1, 2023	units @ \$0.2881				\$110.06	\$112.18	\$237.76	\$460.00
7		COG 1 \$0.7383	\$947.58						\$947.58
8		COG 2 \$0.7383		\$388.49					\$388.49
9		COG 3 \$0.7383			\$288.55				\$288.55
10		COG 4 \$0.7383				\$282.04			\$282.04
11		COG 5 \$0.7383					\$287.48		\$287.48
12		COG 6 \$0.7383						\$609.31	\$609.31
13	Summer Period 2021 Avg. COG \$0.7383 *								
14	LDAC	\$0.0488	\$62.63	\$25.68	\$19.07	\$18.64	\$19.00	\$40.27	\$185.30
15	TOTAL		\$1,476.07	\$736.53	\$604.32	\$633.37	\$641.31	\$1,109.99	\$5,201.58

Base Rate Change	\$ Change	-\$28.88	-\$11.84	-\$8.79	\$0.00	\$0.00	\$0.00	-\$49.51
	% Change	-2.05%	-1.38%	-1.27%	0.00%	0.00%	0.00%	-0.84%
COG Change	\$ Change	\$96.64	-\$105.87	-\$78.63	-\$76.86	-\$159.26	-\$337.54	-\$661.52
	% Change	6.85%	-12.38%	-11.36%	-10.89%	-19.88%	-23.29%	-11.19%
LDAC Change	\$ Change	-\$2.05	-\$0.84	-\$0.63	-\$0.61	-\$0.62	-\$1.32	-\$6.08
	% Change	-0.15%	-0.10%	-0.09%	-0.09%	-0.08%	-0.09%	-0.10%

			May	June	July	August	Sept	October	Summer
16	Typical Usage: therms		1,283	526	391	382	389	825	3,797
18	Summer 2022								
19	Customer Charge	units @ \$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84
20	All	units @ \$0.2120	\$272.09	\$111.55	\$82.85				\$466.50
21	Eff. Aug. 1, 2022	All @ \$0.2744				\$104.82			\$104.82
22	Eff. Sept. 1, 2022	All @ \$0.2883					\$112.26	\$237.93	\$350.19
23		COG 1 \$0.6630	\$850.94						\$850.94
24		COG 2 \$0.9395		\$494.37					\$494.37
25		COG 3 \$0.9395			\$367.18				\$367.18
26		COG 4 \$0.9395				\$358.90			\$358.90
27		COG 5 \$1.1473					\$446.74		\$446.74
28		COG 6 \$1.1473						\$946.85	\$946.85
29	Summer Period 2020 Avg. COG \$0.9125 *								
30	LDAC	\$0.0504	\$64.69	\$26.52	\$19.70	\$19.25	\$19.62	\$41.59	\$191.38
31	TOTAL		\$1,410.36	\$855.08	\$692.37	\$705.61	\$801.26	\$1,449.01	\$5,913.70
32	Change		\$65.71	-\$118.55	-\$88.05	-\$72.24	-\$159.96	-\$339.03	-\$712.12
33	% Chg		4.66%	-13.86%	-12.72%	-10.24%	-19.96%	-23.40%	-12.04%

*-Note- Weighted by usage. Actual Weather Normalized.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-51 Commercial & Industrial Bill - 7,530 therms/Summer
Comparison of Summer 2023 vs. Summer 2022

			May	June	July	August	Sept	October	Summer
1	Typical Usage: therms(1)		1,465	1,237	1,134	1,220	1,164	1,310	7,530
2	Summer 2023								
3									
4	Customer Charge	units @	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$1,350.00
5	All	units @	\$0.1770	\$218.92	\$200.72				\$678.96
6	All eff. Aug 1, 2023	units @	\$0.1763			\$215.09	\$205.27	\$230.98	\$651.34
7		COG 1	\$0.6331	\$927.56					\$927.56
8		COG 2	\$0.6331	\$783.04					\$783.04
9		COG 3	\$0.6331		\$717.93				\$717.93
10		COG 4	\$0.6331			\$772.40			\$772.40
11		COG 5	\$0.6331				\$737.13		\$737.13
12		COG 6	\$0.6331					\$829.47	\$829.47
13	Summer Period 2021 Avg. COG		\$0.6331*						
14		LDAC	\$0.0488	\$71.50	\$60.36	\$55.34	\$59.54	\$56.82	\$63.94
15	TOTAL			\$1,483.38	\$1,287.31	\$1,198.99	\$1,272.03	\$1,224.22	\$1,349.39
	Base Rate Change	\$ Change	\$44.46	\$34.01	\$29.30	\$2.36	\$2.36	\$2.36	\$114.85
		% Change	3.22%	2.20%	2.60%	0.20%	0.14%	0.12%	1.29%
	COG Change	\$ Change	\$59.48	-\$291.77	\$46.04	\$49.53	-\$516.61	-\$581.32	-\$1,234.64
		% Change	4.30%	-18.86%	4.09%	4.10%	-29.67%	-30.10%	-13.82%
	LDAC Change	\$ Change	-\$2.34	-\$1.98	-\$1.81	-\$1.95	-\$1.86	-\$2.10	-\$12.05
		% Change	-0.17%	-0.13%	-0.16%	-0.16%	-0.11%	-0.11%	-0.13%
16	Summer 2022								
17	Typical Usage: therms		1,465	1,237	1,134	1,220	1,164	1,310	7,530
18									
19	Customer Charge	units @	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84
20	First	1,000 units @	\$0.1562	\$156.20	\$156.20				\$468.60
21	Over	1,000 units @	\$0.1312	\$61.02	\$17.58				\$109.67
22	Eff. Aug. 1, 2022	All @	\$0.1656			\$202.04			\$202.04
23	Eff. Sept. 1, 2022	All @	\$0.1770				\$206.08	\$231.90	\$437.98
24		COG 1	\$0.5925	\$868.08					\$868.08
25		COG 2	\$0.8690	\$1,074.80					\$1,074.80
26		COG 3	\$0.5925		\$671.89				\$671.89
27		COG 4	\$0.5925			\$722.87			\$722.87
28		COG 5	\$1.0768				\$1,253.74		\$1,253.74
29		COG 6	\$1.0768					\$1,410.79	\$1,410.79
30	Summer Period 2020 Avg. COG		\$0.7971*						
31		LDAC	\$0.0504	\$73.84	\$62.34	\$57.15	\$61.49	\$58.68	\$66.03
32	TOTAL			\$1,381.78	\$1,547.05	\$1,125.46	\$1,209.03	\$1,741.14	\$1,931.36
33	Change			\$101.60	-\$259.74	\$73.52	\$63.00	-\$516.92	-\$581.98
34	% Chg			7.35%	-16.79%	6.53%	5.21%	-29.69%	-30.13%

*-Note- Weighted by usage.

NORTHERN UTILITIES, INC. -- NEW HAMPSHIRE DIVISION
Impact of Rate Changes on Residential Heating Bills by Usage Level
Forecast Summer 2023 vs. Actual Summer 2022

Residential Heating		
	<u>Summer 2022</u>	<u>Summer 2023</u>
Customer Charge	\$22.20	\$22.20
First 50 Therms**	\$0.7629	\$0.9264
Over 50 therms**	\$0.7629	\$0.9264
LDAC	\$0.0816	\$0.1845
CGA	\$0.8781	\$0.6916

	Usage (Therms)	Summer 2022 Bill Amount	Summer 2023 Bill Amount	Total Bill		Base Rate		COG		LDAC	
	5	\$30.81	\$31.21	\$0.40	1.3%	\$0.82	2.7%	(\$0.93)	-3.0%	\$0.51	1.7%
	10	\$39.43	\$40.23	\$0.80	2.0%	\$1.64	4.2%	(\$1.86)	-4.7%	\$1.03	2.6%
	20	\$56.65	\$58.25	\$1.60	2.8%	\$3.27	5.8%	(\$3.73)	-6.6%	\$2.06	3.6%
Monthly*	25	\$65.26	\$67.26	\$2.00	3.1%	\$4.09	6.3%	(\$4.66)	-7.1%	\$2.57	3.9%
	30	\$73.88	\$76.28	\$2.40	3.2%	\$4.91	6.6%	(\$5.59)	-7.6%	\$3.09	4.2%
	45	\$99.71	\$103.31	\$3.60	3.6%	\$7.36	7.4%	(\$8.39)	-8.4%	\$4.63	4.6%
	50	\$108.33	\$112.33	\$4.00	3.7%	\$8.18	7.6%	(\$9.32)	-8.6%	\$5.15	4.8%
	75	\$151.39	\$157.39	\$6.00	4.0%	\$12.27	8.1%	(\$13.98)	-9.2%	\$7.72	5.1%
	125	\$237.52	\$247.51	\$9.99	4.2%	\$20.44	8.6%	(\$23.31)	-9.8%	\$12.86	5.4%
	150	\$280.58	\$292.58	\$11.99	4.3%	\$24.53	8.7%	(\$27.97)	-10.0%	\$15.44	5.5%
	200	\$366.71	\$382.70	\$15.99	4.4%	\$32.71	8.9%	(\$37.29)	-10.2%	\$20.58	5.6%

* Monthly amount for benchmarking purposes, does not represent the average monthly use of Northern's residential class.
 ** Average distribution rates.