

**NORTHERN UTILITIES, INC.- NEW HAMPSHIRE DIVISION
 Gas Assistance Program (GAP)**

	Customer Charge	All Therms	Cost of Gas	Total
1 Peak Period				
2 R-10 Base Rates	\$22.20	\$0.9266	\$1.1330	
3 R-10 Rate Discounted 45%	\$12.21	\$0.5096	\$0.6232	
4 Program Subsidy	\$9.99	\$0.4170	\$0.5099	
5 Average Winter Therms		582	582	
6				
7 Peak Period Subsidy	\$59.94	\$242.68	\$296.73	\$599.35
8				
9				
10 Number of Estimated 2022/2023 Participants (1)				647
11				
12 Annual Subsidy times Number of Participants (Ln 7 * Ln 10)				\$387,779
13 Prior Year Ending Balance 10/31/2022 - GAP Page 2				(\$100,872)
14 Estimated Annual Administrative Costs				\$0
15 Total Program Costs				\$286,907
16				
17 Estimated weather normalized firm therms billed for				
18 the twelve months ended 10/31/23 sales and transportation				77,881,226
19 (Attachment NUI-FXW-2, Page 2 of 4, "Total Division"				
20 minus "Special Contracts").				
21 Total Gas Assistance Program Rate				\$0.0037

(1) Based on actual prior winter period participation.

**NORTHERN UTILITIES, INC., NEW HAMPSHIRE DIVISION
 NOVEMBER 2020 THROUGH OCTOBER 2021
 GAS ASSISTANCE PROGRAM AND REGULATORY ASSESSMENT (GAPRA) RECONCILIATION**

	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Estimate	Estimate	Estimate	Total
1 FOR THE MONTH OF:	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Total
2 DAYS IN MONTH	30	31	31	28	31	30	31	30	31	31	30	31	365
3													Average
4 GAPRA Participant Count	331	846	629	640	696	742	749	614	590	599	640	639	643
5													Total
6 Beginning Balance	\$20,554	\$3,742	(\$16,570)	(\$9,813)	\$1,075	\$27,280	\$52,371	\$56,671	\$47,019	\$38,827	(\$77,578)	(\$87,442)	\$20,554
7													
8 Add: Actual Costs	\$6,085	\$49,453	\$59,907	\$65,169	\$69,903	\$49,438	\$23,931	\$0	\$0	\$0	\$0	\$0	\$323,886
9													
10 Add: Regulatory Assessments (1)	\$6,893	(\$17,524)	\$15,279	\$15,279	\$15,279	\$15,279	\$0	\$0	\$0	(\$106,953)	\$0	\$0	(\$56,468)
11													
12 Less: Collected Revenue	\$29,823	\$52,223	\$68,394	\$69,548	\$59,016	\$39,734	\$19,779	\$9,792	\$8,335	\$9,387	\$9,590	\$13,117	(\$388,736)
13													
14 Add: Administrative and Start Up Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15													
16 Ending Balance Pre-Interest	\$3,709	(\$16,552)	(\$9,778)	\$1,087	\$27,242	\$52,263	\$56,523	\$46,879	\$38,684	(\$77,514)	(\$87,168)	(\$100,559)	
17													
18 Month's Average Balance	\$12,131	(\$6,405)	(\$13,174)	(\$4,363)	\$14,159	\$39,772	\$54,447	\$51,775	\$42,852	(\$19,343)	(\$82,373)	(\$94,001)	
19													
20 Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	4.00%	4.00%	4.00%	4.00%	
21													
22 Interest Applied	\$33	(\$17)	(\$36)	(\$12)	\$38	\$108	\$147	\$140	\$143	(\$64)	(\$275)	(\$313)	
23													
24 Ending Balance	\$3,742	(\$16,570)	(\$9,813)	\$1,075	\$27,280	\$52,371	\$56,671	\$47,019	\$38,827	(\$77,578)	(\$87,442)	(\$100,872)	

(1) Over Collection

(1) Regulatory Assessments removed from GAP to RAAM effective May 1, 2022. October 2021 - April 2022 amount reversed per DG 2021-104, distribution portion of Regulatory Assessment is \$552,312. See Attachment NUI-SED-1-RAAM, Page 4.

CALCULATION OF ENVIRONMENTAL RESPONSE COST RATE

November 1, 2022 through October 31, 2023

Total ERC Costs for the Period	\$423,485 (See 2022 ERC Invoice Filing, Schedule 1)
Less Current (Over)/Under Collection (Estimated)	\$27,275 (See page 2 of 2)
Total ERC Cost to be Recovered	<u>\$450,760</u>
Forecasted Firm Sales & Firm Transportation Volumes (Attachment NUI-FXW-2, Page 2 of 4, "Total Division" subtract "Special Contracts").	<u>77,881,226</u>
ERC Recovery Rate	<u>\$0.0058</u>

**Northern Utilities, Inc. - New Hampshire Division
 Environmental Response Cost 12 Month Reconciliation**

Month	Actual or Forecast	Beginning Balance (Over)/Under	Revenue	Prior Period ERC Costs To be recovered	Ending Balance (Over)/Under
November-'21	Actual	\$7,069	\$31,069	\$432,594	\$408,593
December	Actual	\$408,593	\$48,743		\$359,850
January- '22	Actual	\$359,850	\$63,820		\$296,030
February	Actual	\$296,030	\$64,913		\$231,117
March	Actual	\$231,117	\$55,086		\$176,031
April	Actual	\$176,031	\$37,236		\$138,795
May	Actual	\$138,795	\$26,265		\$112,530
June	Actual	\$112,530	\$16,612		\$95,918
July	Actual	\$95,918	\$14,181		\$81,737
August	Est.	\$81,737	\$15,930		\$65,807
September	Est.	\$65,807	\$16,273		\$49,533
October	Est.	\$49,533	\$22,259		\$27,275

NORTHERN UTILITIES, INC.
RATE CASE EXPENSE ("RCE")
NOVEMBER 1, 2022 THROUGH OCTOBER 31, 2023

Line #	Description	Amount	Reference
1	Rate Case Expense to be Recovered	\$338,696	DG 21-104 Rate Case Expense Filing
2	Forecasted Firm Sales & Firm Transportation Volumes (therms) (1)	77,881,226	
3	RCE Rate (\$/therm)	<u><u>\$0.0043</u></u>	

(1) Forecasted sales for November 1, 2022 through October 31, 2023.

Calculation of Recoupment	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Total
	Oct-2021(1)	Summer	Nov Winter												
1 Revenue Drivers:															
2 Customer Units															
3 R6 - Non Heat	723	771	535	1,256	1,252	1,251	1,254	1,256	675	614	1,304	1,324	716	995	
4 R5 - Heat	15,671	14,767	12,152	26,513	26,917	26,944	27,324	26,875	12,927	13,947	26,968	27,001	13,457	20,882	
5 R10 - Low Income Heat	345	191	139	854	653	683	820	802	445	409	605	589	296	525	
6 G/T 40	3,011	2,835	2,343	5,293	5,317	5,319	4,861	5,310	2,509	2,740	5,125	5,057	2,574	4,023	
7 G/T 50	517	463	384	835	834	852	833	838	406	441	860	860	447	659	
8 G/T 41	416	361	318	681	685	687	687	686	314	370	684	674	338	531	
9 G/T 51	155	152	116	271	271	272	273	271	134	138	271	270	141	210	
10 G/T 42	26	6	24	30	30	30	30	30	5	25	29	30	24	25	
11 G/T 52	33	1	33	34	34	34	34	34	1	33	34	34	32	29	
12 Total	20,897	19,546	16,045	35,767	35,993	36,071	36,116	36,102	17,417	18,716	35,881	35,839	18,025	27,878	
13															
14															
15 Thems - Total Delivery															
16 R6	5,609	9,058	7,290	26,265	34,511	36,498	30,291	21,388	9,186	8,302	12,720	11,778	5,543	218,439	
17 R5	220,001	574,781	562,517	2,347,625	3,263,987	3,490,959	2,829,203	1,688,252	537,385	491,814	465,277	341,995	145,976	16,959,772	
18 R10	4,530	6,826	6,142	59,609	71,247	77,445	78,980	51,715	24,469	14,055	9,422	6,625	3,223	414,287	
19 G/T 40	100,617	267,122	321,639	1,397,303	2,062,286	2,249,905	1,743,080	999,954	270,917	265,847	185,874	122,107	50,914	10,037,565	
20 G/T 50	66,057	67,644	60,862	157,058	182,207	190,295	176,747	148,661	66,126	70,715	143,438	132,298	67,858	1,529,966	
21 G/T 41	240,807	430,013	574,560	1,915,083	2,633,049	2,730,162	2,209,371	1,392,115	434,846	448,225	371,266	255,184	100,062	13,734,744	
22 G/T 51	179,768	202,653	180,904	515,477	583,845	597,751	545,108	451,755	193,281	210,340	343,951	327,838	149,488	4,482,160	
23 G/T 42	266,959	45,680	472,273	677,578	874,732	737,210	629,929	426,190	40,537	232,019	165,611	139,790	20,321	4,728,828	
24 G/T 52	1,430,461	17,609	1,595,557	1,607,878	1,690,403	1,480,721	1,593,526	1,469,082	15,226	1,356,949	1,267,173	1,192,822	10,242	14,727,650	
25 Total	2,514,808	1,621,385	3,781,742	8,703,877	11,396,266	11,590,947	9,836,235	6,649,114	1,591,973	3,098,267	2,964,731	2,530,437	553,627	66,833,410	
26															
27															
28															
29 Permanent Rates Effective August 1, 2022															
30 Dist Cust Charge															
31 R6	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	\$ 22.20	
32 R5	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	
33 R10	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	22.20	
34 G/T 40	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	
35 G/T 50	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	
36 G/T 41	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	
37 G/T 51	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	225.00	
38 G/T 42	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	
39 G/T 52	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	1,350.00	
40															
41 Dist Rate - All thems															
42 R6	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	1.3081	
43 R5	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	
44 R10	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	0.8841	
45 G/T 40	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	0.2320	
46 G/T 50	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	0.2085	
47 G/T 41	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	0.2744	
48 G/T 51	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	0.1656	
49 G/T 42	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	0.2083	
50 G/T 52	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	0.1050	
51															

**PROPERTY TAX ADJUSTMENT MECHANISM ("PTAM")
 NOVEMBER 1, 2022 THROUGH OCTOBER 31, 2023**

Line #	Description	Amount	Reference
1	Property Tax Expense for the Period	\$0	Page 2, Line 3 Col. E
2	Prior Period Ending Balance	\$406,801	Page 2 Line 16 Col. M
3	Excess ADIT (2018-2020) Flow Back (1)	<u>(\$406,801)</u>	See Note 1
4	Total Expense to be Recovered	<u><u>\$0</u></u>	
5			
6	Forecasted Firm Sales & Firm Transportation Volumes (therms) (2)	77,881,226	
7			
8	PTAM Rate (\$/therm)	<u><u>\$0.0000</u></u>	

Notes:

(1) Per Docket DG 21-104 Settlement Agreement, Section 9.7: Excess Accumulated Deferred Income Tax from 2018-2020 in the amount of \$515,202, shall be applied to offset the Company's property tax deferral balance to be recovered through the PTAM. Remaining balance will offset future PTAM recoveries.

2018-2020 Excess ADIT Balance	\$515,202
Offset used in Nov 22/Oct 23 2023 Annual Period	<u>(\$406,801)</u>
Remaining 2018-2020 Excess ADIT Balance	\$108,401

(2) Company forecast - Special Contracts (November 2022 to October 2023)

**NORTHERN UTILITIES, INC., NEW HAMPSHIRE DIVISION
 PROPERTY TAX ADJUSTMENT MECHANISM ("PTAM")
 NOVEMBER 2021 THROUGH OCTOBER 2022 RECONCILIATION**

Line #	Description (a)	Recast Nov-21 (b)	Recast Dec-21 (c)	Recast Jan-22 (d)	Recast Feb-22 (e)	Recast Mar-22 (f)	Recast Apr-22 (g)	Recast May-22 (h)	Recast Jun-22 (i)	Recast Jul-22 (j)	Forecast Aug-22 (k)	Forecast Sep-22 (l)	Forecast Oct-22 (m)	Total (n)
1	Beginning Balance (Over)/Under Collection ⁽¹⁾	\$0	\$0	\$0	\$521,314 (1)	\$835,725	\$752,830	\$665,107	\$603,496	\$565,071	\$532,766	\$496,107	\$458,444	
2														
3	Add: NH Property Tax Expense ⁽²⁾	\$0	\$0	\$0	\$314,411 (2)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$314,411
4														
5	Less: PTAM Revenue	\$0	\$0	\$0	\$0	\$85,085	\$89,614	\$63,359	\$39,984	\$34,167	\$38,403	\$39,230	\$53,659	\$443,502
6														
7	Ending Balance Pre-Interest	\$0	\$0	\$0	\$835,725	\$750,641	\$663,216	\$601,748	\$563,512	\$530,904	\$494,363	\$456,877	\$404,785	
8														
9	Month's Average Balance	\$0	\$0	\$0	\$678,520	\$793,183	\$708,023	\$633,427	\$583,504	\$547,988	\$513,564	\$476,492	\$431,614	
10														
11	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	4.00%	4.00%	4.00%	5.50%	
12	Days in Month	30	31	31	28	31	30	31	30	31	31	30	31	365
13														
14	Interest Applied	\$0	\$0	\$0	\$0	\$2,189.40	\$1,891.29	\$1,748.43	\$1,558.68	\$1,862	\$1,745	\$1,567	\$2,016	\$14,577
15														
16	Ending Balance (Over)/Under Collection	\$0	\$0	\$0	\$835,725	\$752,830	\$665,107.05	\$603,496	\$565,071.13	\$532,766	\$496,107	\$458,444	\$406,801	

Notes:

(1) Actual 2020 Property Tax Deferral

(2) Actual 2021 Property Tax Deferral

NORTHERN UTILITIES, INC.
REGULATORY ASSESSMENT ADJUSTMENT MECHANISM ("RAAM")
NOVEMBER 1, 2022 THROUGH OCTOBER 31, 2023

Line #	Description	Amount	Reference
1	Non-Distribution Regulatory Assessment	\$0	Page 3, Line 3, Page 4
2	2020 Covid-19 Expense	\$68,061	Page 3, Line 5
3	Prior Period Ending Balance	(\$49,848)	Page 2 Line 16 Col. M
4	Total Expense to be Recovered	<u>\$18,213</u>	
5			
6	Forcasted Firm Sales & Firm Transportation Volumes (therms) (1)	77,881,226	
7			
8	RAAM Rate (\$/therm)	<u><u>\$0.0002</u></u>	

(1) Company forecast - Special Contracts (November 2022 to October 2023)

NORTHERN UTILITIES, INC., NEW HAMPSHIRE DIVISION
 REGULATORY ASSESSMENT ADJUSTMENT MECHANISM ("RAAM")
 NOVEMBER 2021 THROUGH OCTOBER 2022 RECONCILIATION

Line #	Description	Actual Nov-21	Actual Dec-21	Actual Jan-22	Actual Feb-22	Actual Mar-22	Actual Apr-22	Actual May-22	Actual Jun-22	Actual Jul-22	Forecast Aug-22	Forecast Sep-22	Forecast Oct-22	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
1	Beginning Balance (Over)/Under Collection	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,762	\$14,080	\$22,583	(\$30,949)	(\$38,910)	
2														
3	Add: Regulatory Assessments ¹	\$0	\$0	\$0	\$0	\$0	\$0	\$15,279	\$15,279	\$15,279	(\$45,837)	\$0	\$0	\$0
4														
5	Less: RAAM Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$8,526	\$7,989	\$6,838	\$7,681	\$7,846	\$10,732	\$49,612
6														
7	Ending Balance Pre-Interest	\$0	\$0	\$0	\$0	\$0	\$0	\$6,753	\$14,052	\$22,521	(\$30,935)	(\$38,795)	(\$49,641)	
8														
9	Month's Average Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$3,376	\$10,407.12	\$18,300	(\$4,176)	(\$34,872)	(\$44,276)	
10														
11	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	4.00%	4.00%	4.00%	5.50%	
12	Days in Month	30	31	31	28	31	30	31	30	31	31	30	31	365
13														
14	Interest Applied	\$0	\$0	\$0	\$0	\$0	\$0	\$9.32	\$27.80	\$62.17	(\$14.19)	(\$114.65)	(\$206.82)	(\$236)
15														
16	Ending Balance (Over)/Under Collection	\$0	\$0	\$0	\$0	\$0	\$0	\$6,762	\$14,080	\$22,583	(\$30,949)	(\$38,910)	(\$49,848)	

(1) Non-Distribution Regulatory Assessment formerly recovered via the GAPRA.
 Estimated Non-Distribution Regulatory Assessment (Based on NHPUC invoice dated April 14, 2022)

NORTHERN UTILITIES, INC., NEW HAMPSHIRE DIVISION
 REGULATORY ASSESSMENT ADJUSTMENT MECHANISM ("RAAM")
 NOVEMBER 2022 THROUGH OCTOBER 2023 FORECAST

Line #	Description	Forecast Nov-22	Forecast Dec-22	Forecast Jan-23	Forecast Feb-23	Forecast Mar-23	Forecast Apr-23	Forecast May-23	Forecast Jun-23	Forecast Jul-23	Forecast Aug-23	Forecast Sep-23	Forecast Oct-23	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
1	Beginning Balance (Over)/Under Collection	(\$49,848)	\$16,906	\$15,076	\$12,822	\$10,502	\$8,470	\$7,032	\$6,072	\$5,432	\$4,866	\$4,314	\$3,748	
2														
3	Add: Regulatory Assessments (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4														
5	Add: Covid-19 Expense (2)	\$68,061	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$68,061
6														
7	Less: RAAM Revenue	\$1,231	\$1,903	\$2,318	\$2,374	\$2,075	\$1,473	\$990	\$666	\$590	\$573	\$585	\$797	\$15,576
8														
9	Ending Balance Pre-Interest	\$16,981	\$15,003	\$12,758	\$10,448	\$8,427	\$6,997	\$6,042	\$5,406	\$4,842	\$4,293	\$3,729	\$2,950	
10														
11	Month's Average Balance	(\$16,433)	\$15,954	\$13,917	\$11,635	\$9,464	\$7,733	\$6,537	\$5,739	\$5,137	\$4,579	\$4,022	\$3,349	
12														
13	Interest Rate	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	5.50%	
14	Days in Month	30	31	31	28	31	30	31	30	31	31	30	31	365
15														
16	Interest Applied	(\$75)	\$73	\$64	\$53	\$43	\$35	\$31	\$26	\$24	\$21	\$18	\$16	\$329
17														
18	Ending Balance (Over)/Under Collection	\$16,906	\$15,076	\$12,822	\$10,502	\$8,470	\$7,032	\$6,072	\$5,432	\$4,866	\$4,314	\$3,748	\$2,966	

(1) Non-Distribution Regulatory Assessment formerly recovered via the GAP.
 Estimated Non-Distribution Regulatory Assessment (Based on NHPUC invoice dated April 14, 2022).
 (2) Includes \$68,061 2020 Covid-19 expenses per DG 21-104 Order No. 26-650 dated July 20, 2022.

NORTHERN UTILITIES, INC., NEW HAMPSHIRE DIVISION
Calculation of Distribution and Non-Distribution Revenues of the NHPUC Annual Regulatory Assessment
 NHPUC Assessment Invoice dated April 14, 2022

	July 2022	August 2022	September 2022	October 2022	November 2022	December 2022	January 2023	February 2023	March 2023	April 2023	May 2023	June 2023	Total Fiscal Year
Distribution	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$46,026.00	\$552,312.00 (1)
Non-Distribution	\$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 (2)
Total	\$138,078.00			\$138,078.00			\$138,078.00			\$138,078.00			\$552,312.00

(1) Established in Docket DG 21-104, Order No. 26,650 dated July 20, 2022.

(2) Total Invoice amount minus Distribution amount.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
 REMEDIATION ADJUSTMENT CLAUSE COMPLIANCE FILING
 2021-2022 ENVIRONMENTAL RESPONSE COSTS
 SITE SPECIFIC EXPENSES

Line	Description	Total	11/11 - 10/12	11/12 - 10/13	11/13 - 10/14	11/14-10/15	11/15-10/16	11/16-10/17	11/17-10/18	11/18-10/19	11/19-10/20	11/20-10/21	11/21-10/22	11/22-10/23	11/23-10/24	11/24-10/25	11/25-10/26	11/26-10/27	11/27-10/28	11/28-10/29
ENVIRONMENTAL RESPONSE COST (ERC)																				
1	July 10 - June 11 Expenses Amortization (1/7)	\$ 121,209	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316											
2	July 11 - June 12 Expenses Amortization (1/7)	\$ 159,020		\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717										
3	July 12 - June 13 Expenses Amortization (1/7)	\$ 175,406		\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058									
4	July 13 - June 14 Expenses Amortization (1/7)	\$ 40,881			\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840								
5	July 14 - June 15 Expenses Amortization (1/7)	\$ 112,198				\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028							
6	July 15 - June 16 Expenses Amortization (1/7)	\$ 2,179,885					\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412						
7	July 16 - June 17 Expenses Amortization (1/7)	\$ 54,154							\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736					
8	July 17 - June 18 Expenses Amortization (1/7)	\$ 283,143								\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449				
9	July 18 - June 19 Expenses Amortization (1/7)	\$ 203,357									\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051			
10	July 19 - June 20 Expenses Amortization (1/7)	\$ 77,165										\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024			
11	July 20 - June 21 Expenses Amortization (1/7)	\$ 118,256											\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	
12	July 21 - June 22 Expenses Amortization (1/7)	\$ 48,434												\$ 6,919	\$ 6,919	\$ 6,919	\$ 6,919	\$ 6,919	\$ 6,919	\$ 6,919
13	Subtotal (Line 1 through Line 11)	\$ 3,573,108	\$ 17,316	\$ 40,033	\$ 65,091	\$ 70,931	\$ 86,959	\$ 398,371	\$ 406,108	\$ 429,241	\$ 435,575	\$ 421,540	\$ 432,594	\$ 423,485	\$ 112,073	\$ 104,336	\$ 63,887	\$ 34,836	\$ 23,813	\$ 6,919
14	Add: Excess amortization from prior years (from schedule 5, Line 9)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Less: Excess amortization to be deferred (from schedule 5, Line 8)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
16	Total Environmental Response cost to be recovered (ERC)	\$ 3,573,108	\$ 17,316	\$ 40,033	\$ 65,091	\$ 70,931	\$ 86,959	\$ 398,371	\$ 406,108	\$ 429,241	\$ 435,575	\$ 421,540	\$ 432,594	\$ 423,485	\$ 112,073	\$ 104,336	\$ 63,887	\$ 34,836	\$ 23,813	\$ 6,919
17	July 2010 - June 2011 Unamortized beginning balance	\$ 121,209	\$ 103,893	\$ 86,578	\$ 69,262	\$ 51,947	\$ 34,631	\$ 17,316												
18	July 2011 - June 2012 Unamortized beginning balance	\$ 159,020	\$ 136,303	\$ 113,586	\$ 90,869	\$ 68,151	\$ 45,434	\$ 22,717												
19	July 2012 - June 2013 Unamortized beginning balance	\$ 175,406	\$ 150,348	\$ 125,290	\$ 100,232	\$ 75,174	\$ 50,116	\$ 25,058												
20	July 2013 - June 2014 Unamortized beginning balance	\$ 40,881	\$ 35,041	\$ 29,201	\$ 23,361	\$ 17,521	\$ 11,680	\$ 5,840												
21	July 2014 - June 2015 Unamortized beginning balance	\$ 112,198	\$ 96,170	\$ 80,141	\$ 64,113	\$ 48,085	\$ 32,057	\$ 16,028												
22	July 2015 - June 2016 Unamortized beginning balance	\$ 2,179,885	\$ 1,868,473	\$ 1,557,061	\$ 1,245,649	\$ 934,236	\$ 622,824	\$ 311,412												
23	July 2016 - June 2017 Unamortized beginning balance	\$ 54,154	\$ 46,418	\$ 38,681	\$ 30,945	\$ 23,209	\$ 15,473	\$ 7,736												
24	July 2017 - June 2018 Unamortized beginning balance	\$ 283,143	\$ 242,694	\$ 202,245	\$ 161,796	\$ 121,347	\$ 80,898	\$ 40,449												
25	July 2018 - June 2019 Unamortized beginning balance	\$ 203,357	\$ 174,306	\$ 145,255	\$ 116,204	\$ 87,153	\$ 58,102	\$ 29,051												
26	July 2019 - June 2020 Unamortized beginning balance	\$ 77,165	\$ 66,141	\$ 55,118	\$ 44,094	\$ 33,071	\$ 22,047	\$ 11,024												
27	July 2020 - June 2021 Unamortized beginning balance	\$ 118,256	\$ 101,362	\$ 84,468	\$ 67,575	\$ 50,681	\$ 33,787	\$ 16,894												
28	July 2021 - June 2022 Unamortized beginning balance	\$ 48,434	\$ 41,515	\$ 34,596	\$ 27,677	\$ 20,757	\$ 13,838	\$ 6,919												
29	Total Unamortized beginning balance	\$ 121,209	\$ 262,913	\$ 398,287	\$ 374,077	\$ 415,344	\$ 2,508,270	\$ 2,164,053	\$ 2,041,089	\$ 1,815,204	\$ 1,456,794	\$ 1,153,509	\$ 769,349	\$ 345,865	\$ 233,792	\$ 129,456	\$ 65,568	\$ 30,732	\$ 6,919	
30	INSURANCE/3RD PARTY EXPENSES (IE) Expenses (from schedule 2)																			
31	INSURANCE/3RD PARTY RECOVERIES (IR)																			
32	UNDER/OVER Recovery from previous year																			
33	Total of Lines 27 through 30	\$ 121,209	\$ 262,913	\$ 398,287	\$ 374,077	\$ 415,344	\$ 2,508,270	\$ 2,164,053	\$ 2,041,089	\$ 1,815,204	\$ 1,456,794	\$ 1,153,509	\$ 769,349	\$ 345,865	\$ 233,792	\$ 129,456	\$ 65,568	\$ 30,732	\$ 6,919	

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						\$133.20								
5	All units @	\$0.9266	\$46.83	\$89.37	\$116.17	\$112.49	\$110.21	\$64.56	\$22.20	\$22.20	\$22.20	\$22.20	\$ 22.20	\$22.20	\$133.20	\$69.28
6	COG 1	\$1.1357	\$57.40						\$29.60	\$17.16	\$12.52				\$45.33	\$29.60
7	COG 2	\$1.1357		\$109.54				\$109.54							\$12.83	\$12.83
8	COG 3	\$1.1357			\$142.38			\$142.38							\$9.36	\$9.36
9	COG 4	\$1.1357				\$137.88		\$137.88			\$9.36				\$8.77	\$8.77
10	COG 5	\$1.1357					\$135.08	\$135.08				\$8.77			\$8.67	\$8.67
11	COG 6	\$1.1357						\$79.13					\$8.67		\$16.48	\$16.48
12	LDAC	\$0.1845	\$9.32	\$17.80	\$23.13	\$22.40	\$21.94	\$12.86	\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83	
13	Summer 2023															
14	Customer Charge units @	\$ 22.20							\$ 22.20	\$22.20	\$22.20	\$22.20	\$ 22.20	\$22.20	\$133.20	\$69.28
15	All units @	\$0.9266							\$39.60	\$17.16	\$12.52				\$45.33	\$29.60
16	All eff. Aug 1, 2023 units @	\$0.9259										\$11.72	\$11.58	\$22.02	\$45.33	\$29.60
17	COG 1	\$0.6927							\$29.60	\$12.83					\$12.83	\$9.36
18	COG 2	\$0.6927									\$9.36				\$8.77	\$8.77
19	COG 3	\$0.6927										\$8.77			\$8.67	\$8.67
20	COG 4	\$0.6927											\$8.67		\$16.48	\$16.48
21	COG 5	\$0.6927												\$16.48	\$16.48	
22	COG 6	\$0.6927														
23	Summer Period Weighted Avg. COG	\$0.6927														
24	LDAC	\$ 0.1845							\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83	
25	TOTAL		\$135.75	\$238.91	\$303.88	\$294.97	\$289.43	\$178.75	\$99.29	\$55.61	\$46.58	\$45.03	\$44.76	\$65.08	\$356.34	\$1,798.03
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	\$9.93	\$18.95	\$29.86	\$23.01	\$9.63	\$5.64								
		% Change	8.92%	9.86%	12.53%	9.69%	3.89%	3.66%								
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						\$133.20								
30	First 50 units @	\$0.7603	\$38.02	\$38.02	\$38.02	\$38.02	\$38.02	\$38.02	\$28.98	\$12.56	\$9.17				\$50.71	\$0.00
31	Over 50 units @	\$0.7603	\$0.41	\$35.32	\$57.30	\$54.29	\$52.41	\$14.96	\$0.00	\$0.00	\$0.00				\$11.19	\$33.63
32	COG 1	\$0.9392	\$47.47					\$47.47							\$27.18	\$16.90
33	COG 2	\$0.9392		\$90.59				\$90.59							\$12.33	\$11.55
34	COG 3	\$0.8975			\$112.52			\$112.52							\$11.55	\$14.02
35	COG 4	\$0.9462				\$114.87		\$114.87							\$26.65	\$26.65
36	COG 5	\$1.0547					\$125.44	\$125.44				\$11.55			\$14.02	\$14.02
37	COG 6	\$1.0547						\$73.49					\$14.02		\$26.65	\$26.65
38	Winter Period Weighted Avg. COG	\$0.9691														
39	LDAC	\$ 0.0631	\$3.19	\$6.09				\$9.28								
40	LDAC 2, January 1	\$ 0.0658			\$8.25	\$7.99		\$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	\$50.71
44	First 50 units @	\$0.6782							\$28.98	\$12.56	\$9.17				\$0.00	\$11.19
45	Over 50 units @	\$0.6782							\$0.00	\$0.00	\$0.00				\$33.63	\$27.18
46	Eff. Aug 1, 2022 All @	\$0.8841										\$11.19			\$11.19	\$16.90
47	Eff. Sept 1, 2022 All @	\$0.9266											\$11.59	\$22.04	\$33.63	\$27.18
48	COG 1	\$0.6361							\$27.18	\$16.90					\$12.33	\$11.55
49	COG 2	\$0.9126									\$12.33				\$11.55	\$14.02
50	COG 3	\$0.9126										\$11.55			\$14.02	\$14.02
51	COG 4	\$0.9126											\$14.02		\$26.65	\$26.65
52	COG 5	\$1.1204												\$26.65	\$26.65	
53	COG 6	\$1.1204														
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		\$24.47	\$46.70	\$65.59	\$57.61	\$41.65	\$24.40	\$17.43	\$2.43	\$1.78	(\$0.95)	(\$4.07)	(\$7.74)	\$8.87	\$269.30
58	% Chg		21.99%	24.30%	27.53%	24.27%	16.81%	15.81%	21.30%	4.58%	3.96%	-2.07%	-8.34%	-10.63%	2.55%	17.62%

*-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
 Attachment NUI-SED-3
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		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual	
	Typical Usage: therms (*)	138	290	401	397	373	213	1,812	111	40	26	26	26	59	287	2,099	
Winter 2022 - 2023																	
4	Customer Charge units @	\$ 80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$480.00									
5	All units @	\$0.2556	\$35.33	\$74.09	\$102.44	\$101.49	\$95.33	\$54.36									
6	COG 1	\$1.1496	\$158.90					\$158.90									
7	COG 2	\$1.1496		\$333.23				\$333.23									
8	COG 3	\$1.1496		\$460.72				\$460.72									
9	COG 4	\$1.1496			\$456.46			\$456.46									
10	COG 5	\$1.1496				\$428.78		\$428.78									
11	COG 6	\$1.1496					\$244.48	\$244.48									
12	LDAC	\$0.0488	\$6.75	\$14.15	\$19.56	\$19.38	\$18.20	\$10.38									
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	\$0.7394							\$82.09							\$82.09	
18	COG 2	\$0.7394								\$29.52						\$29.52	
19	COG 3	\$0.7394									\$19.14					\$19.14	
20	COG 4	\$0.7394										\$19.16				\$19.16	
21	COG 5	\$0.7394											\$18.98			\$18.98	
22	COG 6	\$0.7394												\$43.53		\$43.53	
23	Summer Period Weighted Avg. COG	\$0.7394															
24	LDAC	\$ 0.0488							\$5.42	\$1.95	\$1.26	\$1.26	\$1.25	\$2.87	\$14.02		
25	TOTAL		\$280.97	\$501.46	\$662.71	\$657.32	\$622.31	\$389.21	\$3,114.00	\$195.89	\$121.68	\$107.02	\$107.05	\$106.79	\$141.44	\$779.87	\$3,893.87
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	\$26.88	\$56.38	\$94.66	\$74.45	\$29.47	\$16.80	\$298.64								
		% Change	11%	13%	17%	13%	5%	5%	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%								
<hr/>																	
Winter 2021 - 2022																	
26	Customer Charge units @	\$ 75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$450.54									
27	First 75 units @	\$0.2090	\$15.68	\$15.68	\$15.68	\$15.68	\$15.68	\$94.05									
28	Over 75 units @	\$0.2090	\$13.21	\$44.91	\$68.09	\$67.31	\$62.28	\$28.77									
29	COG 1	\$0.9551	\$132.01					\$132.01									
30	COG 2	\$0.9551		\$276.85				\$276.85									
31	COG 3	\$0.9134		\$366.06				\$366.06									
32	COG 4	\$0.9621			\$382.01			\$382.01									
33	COG 5	\$1.0706				\$399.31		\$399.31									
34	COG 6	\$1.0706					\$227.68	\$227.68									
35	Winter Period Weighted Avg. COG	\$0.9847															
36	LDAC	\$ 0.0360	\$4.98	\$10.44				\$15.41									
37	LDAC 2, January 1	\$ 0.0448			\$17.95	\$17.79		\$35.74									
38	LDAC 3, March 1	\$ 0.0504				\$18.80	\$10.72	\$29.52									
39	Summer 2022																
40	Customer Charge** units @	\$ 75.09							\$75.09	\$75.09	\$75.09	\$80.00	\$80.00	\$80.00	\$465.27		
41	First 75 units @	\$0.2090							\$15.68	\$8.35	\$5.41					\$29.43	
42	Over 75 units @	\$0.2090							\$7.53	\$0.00	\$0.00					\$7.53	
43	Eff. Aug. 1, 2022 All @	\$0.2320										\$6.01				\$6.01	
44	Eff. Sept. 1, 2022 All @	\$0.2556											\$6.56	\$15.05		\$21.61	
45	COG 1	\$0.6630							\$73.61							\$73.61	
46	COG 2	\$0.9395								\$37.51						\$37.51	
47	COG 3	\$0.9395									\$24.32					\$24.32	
48	COG 4	\$0.9395										\$24.35				\$24.35	
49	COG 5	\$1.1473											\$29.45			\$29.45	
50	COG 6	\$1.1473												\$67.55		\$67.55	
51	Summer Period Weighted Avg. COG	\$0.8938															
52	LDAC	\$ 0.0504							\$5.60	\$2.01	\$1.30	\$1.31	\$1.29	\$2.97	\$14.48		
53	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
54	Change		\$40.00	\$78.51	\$119.85	\$99.45	\$51.16	\$31.28	\$420.25	\$18.39	(\$1.28)	\$0.89	(\$4.62)	(\$10.52)	(\$24.12)	(\$21.26)	\$398.99
55	% Chg		16.60%	18.56%	22.08%	17.83%	8.96%	8.74%	15.60%	10.36%	-1.04%	0.84%	-4.14%	-8.97%	-14.57%	-2.65%	11.42%

*-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	\$225.00	\$225.00	\$225.00	\$225.00	\$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	\$5,275.22							
6	COG 1	\$1.1496	\$1,965.56					\$1,965.56								
7	COG 2	\$1.1496	\$3,494.83					\$3,494.83		\$48.69						
8	COG 3	\$1.1496		\$4,545.67				\$4,545.67		0.87%						
9	COG 4	\$1.1496			\$4,320.60			\$4,320.60								
10	COG 5	\$1.1496				\$4,145.91		\$4,145.91								
11	COG 6	\$1.1496					\$2,562.46	\$2,562.46								
12	LDAC	\$0.0488	\$83.44	\$148.35	\$192.96	\$183.41	\$175.99	\$108.78	\$892.93							
13	Summer 2023															
14	Customer Charge units @	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 1,350.00	\$ 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								\$634.40
16	All eff. Aug 1, 2023 units @	\$0.2881						\$460.00				\$110.06	\$112.18	\$237.76		\$460.00
17	COG 1	\$0.7394	\$948.99					\$948.99								\$948.99
18	COG 2	\$0.7394							\$389.07							\$389.07
19	COG 3	\$0.7394								\$288.98						\$288.98
20	COG 4	\$0.7394										\$282.46				\$282.46
21	COG 5	\$0.7394											\$287.91			\$287.91
22	COG 6	\$0.7394												\$610.22		\$610.22
23	Summer Period Weighted Avg. COG	\$0.7394														
24	LDAC	\$ 0.0488	\$62.63	\$25.68	\$19.07	\$18.64	\$19.00	\$40.27	\$185.30							
25	TOTAL		\$2,766.93	\$4,744.63	\$6,103.60	\$5,812.54	\$5,586.62	\$3,538.86	\$28,553.18	\$1,606.65	\$840.15	\$645.72	\$636.15	\$644.09	\$1,113.25	\$5,437.33
	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	\$332.55	\$591.29	\$933.96	\$704.69	\$284.90	\$176.09	\$3,023.49							
	% Change		14.03%	14.63%	18.46%	14.09%	5.46%	5.32%	12.09%							
	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	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84								
30	All units @	\$0.2650	\$453.09	\$805.61	\$1,047.84	\$995.96	\$955.69	\$590.69	\$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	\$294.10							
41	Summer 2022															
42	Customer Charge** units @	\$ 222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,342.92	\$222.64	\$222.64	\$222.64	\$225.00	\$225.00	\$225.00	\$1,342.92	
43	All units @	\$0.2120	\$272.09	\$111.55	\$82.85			\$466.50	\$272.09	\$111.55	\$82.85	\$104.82				\$466.50
44	Eff. Aug. 1, 2022 All @	\$0.2744						\$104.82								\$104.82
45	Eff. Sept. 1, 2022 All @	\$0.2883						\$350.19					\$112.26	\$237.93		\$350.19
46	COG 1	\$0.6630	\$850.94					\$850.94								\$850.94
47	COG 2	\$0.9395						\$494.37		\$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		\$396.64	\$703.39	\$1,044.27	\$809.65	\$365.52	\$226.82	\$3,546.30	\$196.29	(\$14.93)	(\$46.65)	(\$71.82)	(\$159.53)	(\$338.12)	(\$483.45)
56	% Chg		16.73%	17.41%	20.64%	16.18%	7.00%	6.85%	14.18%	13.92%	-1.75%	-6.74%	-10.14%	-19.85%	-23.30%	-8.17%

*-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	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 225.00	\$ 1,350.00							\$ 1,350.00		
5	All units @	\$0.1770	\$262.68	\$348.09	\$385.80	\$378.55	\$374.68	\$304.43	\$2,054.24						\$678.96		
6	COG 1	\$1.0604	\$1,573.73						\$1,573.73						\$929.17		
7	COG 2	\$1.0604		\$2,085.42					\$2,085.42						\$784.40		
8	COG 3	\$1.0604		\$2,311.32					\$2,311.32						\$719.18		
9	COG 4	\$1.0604			\$2,267.86				\$2,267.86						\$773.74		
10	COG 5	\$1.0604				\$2,244.70			\$2,244.70						\$738.41		
11	COG 6	\$1.0604					\$1,823.81		\$1,823.81						\$830.91		
12	LDAC	\$0.0488	\$72.42	\$95.97	\$106.37	\$104.37	\$103.30	\$83.93	\$566.37						\$367.49		
13	Summer 2023																
14	Customer Charge units @	\$ 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			\$230.98	\$651.34		
16	All eff. Aug 1, 2023 units @	\$0.1763									\$215.09	\$205.27		\$230.98	\$929.17		
17	COG 1	\$0.6342							\$929.17						\$784.40		
18	COG 2	\$0.6342								\$784.40					\$719.18		
19	COG 3	\$0.6342									\$719.18				\$773.74		
20	COG 4	\$0.6342										\$773.74			\$738.41		
21	COG 5	\$0.6342											\$738.41		\$830.91		
22	COG 6	\$0.6342												\$830.91			
23	Summer Period Weighted Avg. COG	\$0.6342															
24	LDAC	\$ 0.0488							\$71.50	\$60.36	\$55.34	\$59.54	\$56.82	\$63.94	\$367.49		
25	TOTAL		\$2,133.84	\$2,754.49	\$3,028.49	\$2,975.78	\$2,947.69	\$2,437.17	\$16,277.45	\$1,484.99	\$1,288.67	\$1,200.23	\$1,273.37	\$1,225.50	\$1,350.83	\$7,823.60	\$24,101.05
	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	\$319.23	\$423.02	\$559.74	\$445.06	\$210.84	\$171.30	\$2,129.19								
		% Change	17.61%	18.27%	22.69%	17.60%	7.67%	7.51%	15.04%								
	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	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84							\$1,342.92		
30	First 1,300 units @	\$0.1937	\$251.81	\$251.81	\$251.81	\$251.81	\$251.81	\$1,510.86							\$468.60		
31	Over 1,300 units @	\$0.1624	\$29.90	\$108.26	\$142.86	\$136.20	\$132.66	\$68.20	\$618.07						\$109.67		
32	COG 1	\$0.8453	\$1,254.50					\$1,254.50							\$202.04		
33	COG 2	\$0.8453		\$1,662.40				\$1,662.40							\$437.98		
34	COG 3	\$0.8036			\$1,751.58			\$1,751.58							\$868.08		
35	COG 4	\$0.8523				\$1,822.80		\$1,822.80							\$1,074.80		
36	COG 5	\$0.9608					\$2,033.87	\$2,033.87							\$985.44		
37	COG 6	\$0.9608						\$1,652.50							\$1,060.21		
38	Winter Period Weighted Avg. COG	\$0.8769															
39	LDAC	\$ 0.0360	\$53.43	\$70.80				\$124.23							\$1,410.79		
40	LDAC 2, January 1	\$ 0.0448			\$97.65	\$95.81		\$193.46							\$1,253.74		
41	LDAC 3, March 1	\$ 0.0504					\$106.69	\$86.68							\$1,410.79		
42	Summer 2022																
43	Customer Charge** units @	\$ 222.64							\$222.64	\$222.64	\$222.64	\$225.00	\$225.00	\$225.00	\$1,342.92		
44	First 1,000 units @	\$0.1562							\$156.20	\$156.20	\$156.20				\$468.60		
45	Over 1,000 units @	\$0.1312							\$61.02	\$31.07	\$17.58				\$109.67		
46	Eff. Aug. 1, 2022 All @	\$0.1656										\$202.04			\$202.04		
47	Eff. Sept. 1, 2022 All @	\$0.1770											\$206.08	\$231.90	\$437.98		
48	COG 1	\$0.5925							\$868.08						\$868.08		
49	COG 2	\$0.8690								\$1,074.80					\$1,074.80		
50	COG 3	\$0.8690									\$985.44				\$985.44		
51	COG 4	\$0.8690										\$1,060.21			\$1,060.21		
52	COG 5	\$1.0768											\$1,253.74		\$1,253.74		
53	COG 6	\$1.0768												\$1,410.79	\$1,410.79		
54	Summer Period Weighted Avg. COG	\$0.8835															
55	LDAC	\$ 0.0504							\$73.84	\$62.34	\$57.15	\$61.49	\$58.68	\$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		\$321.56	\$438.58	\$561.95	\$446.51	\$200.03	\$155.33	\$2,123.96	\$103.21	(\$258.38)	(\$238.78)	(\$275.36)	(\$518.00)	(\$582.89)	(\$1,770.20)	\$353.76
58	% Chg		17.74%	18.94%	22.78%	17.65%	7.28%	6.81%	15.01%	7.47%	-16.70%	-16.59%	-17.78%	-29.71%	-30.14%	-18.45%	1.49%

*-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
 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	\$1.1357

Usage (Therms)	Winter 2021-2022 Bill Amount	Winter 2022-2023 Bill Amount	Total Bill		Base Rate		CGA		LDAC		
			\$	%	\$	%	\$	%	\$	%	
5	\$31.20	\$33.43	\$2.24	7.2%	\$0.83	2.7%	\$0.83	2.7%	\$0.57	1.8%	
10	\$40.20	\$44.67	\$4.47	11.1%	\$1.66	4.1%	\$1.67	4.2%	\$1.14	2.8%	
20	\$58.19	\$67.14	\$8.94	15.4%	\$3.33	5.7%	\$3.33	5.7%	\$2.29	3.9%	
25	\$67.19	\$78.37	\$11.18	16.6%	\$4.16	6.2%	\$4.17	6.2%	\$2.86	4.3%	
30	\$76.19	\$89.60	\$13.42	17.6%	\$4.99	6.5%	\$5.00	6.6%	\$3.43	4.5%	
45	\$103.18	\$123.31	\$20.12	19.5%	\$7.48	7.2%	\$7.50	7.3%	\$5.14	5.0%	
50	\$112.18	\$134.54	\$22.36	19.9%	\$8.32	7.4%	\$8.33	7.4%	\$5.71	5.1%	
75	\$157.17	\$190.71	\$33.54	21.3%	\$12.48	7.9%	\$12.50	8.0%	\$8.57	5.5%	
Monthly*	125	\$247.15	\$303.05	\$55.90	22.6%	\$20.79	8.4%	\$20.83	8.4%	\$14.28	5.8%
	150	\$292.14	\$359.22	\$67.08	23.0%	\$24.95	8.5%	\$24.99	8.6%	\$17.14	5.9%
	200	\$382.13	\$471.56	\$89.43	23.4%	\$33.27	8.7%	\$33.32	8.7%	\$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									
2	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 \$0.6927	\$29.60						\$29.60
8		COG 2 \$0.6927		\$12.83					\$12.83
9		COG 3 \$0.6927			\$9.36				\$9.36
10		COG 4 \$0.6927				\$8.77			\$8.77
11		COG 5 \$0.6927					\$8.67		\$8.67
12		COG 6 \$0.6927						\$16.48	\$16.48
13	Summer Period 2021 Avg. COG \$0.6927 *								
14		LDAC \$0.1845	\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83
15	TOTAL		\$99.29	\$55.61	\$46.58	\$45.03	\$44.76	\$65.08	\$356.34
Base Rate 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			\$2.42	-\$4.07	-\$2.97	-\$2.78	-\$5.35	-\$10.17	-\$22.93
% Change			2.96%	-7.66%	-6.63%	-6.05%	-10.96%	-13.97%	-6.60%
LDAC 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%
16									
17	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		\$17.43	\$2.43	\$1.78	-\$0.95	-\$4.07	-\$7.74	\$8.87
34	% Chg		21.30%	4.58%	3.96%	-2.07%	-8.34%	-10.63%	2.55%

*-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	287
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 \$0.7394	\$82.09						\$82.09
8		COG 2 \$0.7394		\$29.52					\$29.52
9		COG 3 \$0.7394			\$19.14				\$19.14
10		COG 4 \$0.7394				\$19.16			\$19.16
11		COG 5 \$0.7394					\$18.98		\$18.98
12		COG 6 \$0.7394						\$43.53	\$43.53
13	Summer Period 2021 Avg. COG \$0.7394*								
14	LDAC \$0.0488		\$5.42	\$1.95	\$1.26	\$1.26	\$1.25	\$2.87	\$14.02
15	TOTAL		\$195.89	\$121.68	\$107.02	\$107.05	\$106.79	\$141.44	\$779.87
	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	\$8.48	-\$7.99	-\$5.18	-\$5.19	-\$10.47	-\$24.02	-\$44.36
		% Change	4.78%	-6.50%	-4.88%	-4.86%	-9.32%	-14.95%	-5.64%
	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	287
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		\$18.39	-\$1.28	\$0.89	\$0.29	-\$5.61	-\$19.21	-\$6.53
34	% Chg		10.36%	-1.04%	0.84%	0.27%	-4.99%	-11.96%	-0.83%

*-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 \$0.7394	\$948.99						\$948.99
8		COG 2 \$0.7394		\$389.07					\$389.07
9		COG 3 \$0.7394			\$288.98				\$288.98
10		COG 4 \$0.7394				\$282.46			\$282.46
11		COG 5 \$0.7394					\$287.91		\$287.91
12		COG 6 \$0.7394						\$610.22	\$610.22
13	Summer Period 2021 Avg. COG \$0.7394*								
14	LDAC	\$0.0488	\$62.63	\$25.68	\$19.07	\$18.64	\$19.00	\$40.27	\$185.30
15	TOTAL		\$1,477.48	\$737.11	\$604.75	\$633.79	\$641.73	\$1,110.89	\$5,205.76

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	\$98.06	-\$105.29	-\$78.20	-\$76.44	-\$158.83	-\$336.63	-\$657.34
	% Change	6.95%	-12.31%	-11.30%	-10.83%	-19.82%	-23.23%	-11.12%
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		\$67.13	-\$117.97	-\$87.62	-\$71.82	-\$159.53	-\$338.12	-\$707.94
33	% Chg		4.76%	-13.80%	-12.66%	-10.18%	-19.91%	-23.33%	-11.97%

*-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									
2	Typical Usage: therms(1)		1,465	1,237	1,134	1,220	1,164	1,310	7,530
3	Summer 2023								
4	Customer Charge	units @ \$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$1,350.00
5	All	units @ \$0.1770	\$259.32	\$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 \$0.6342	\$929.17						\$929.17
8		COG 2 \$0.6342		\$784.40					\$784.40
9		COG 3 \$0.6342			\$719.18				\$719.18
10		COG 4 \$0.6342				\$773.74			\$773.74
11		COG 5 \$0.6342					\$738.41		\$738.41
12		COG 6 \$0.6342						\$830.91	\$830.91
13	Summer Period 2021 Avg. COG \$0.6342*								
14		LDAC \$0.0488	\$71.50	\$60.36	\$55.34	\$59.54	\$56.82	\$63.94	\$367.49
15	TOTAL		\$1,484.99	\$1,288.67	\$1,200.23	\$1,273.37	\$1,225.50	\$1,350.83	\$7,823.60
	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	\$61.10	-\$290.41	\$47.29	\$50.88	-\$515.33	-\$579.88	-\$1,226.36
		% Change	4.42%	-18.77%	4.20%	4.21%	-29.60%	-30.02%	-13.72%
	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									
17	Typical Usage: therms		1,465	1,237	1,134	1,220	1,164	1,310	7,530
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	First	1,000 units @ \$0.1562	\$156.20	\$156.20	\$156.20				\$468.60
21	Over	1,000 units @ \$0.1312	\$61.02	\$31.07	\$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	\$379.53
32	TOTAL		\$1,381.78	\$1,547.05	\$1,125.46	\$1,209.03	\$1,741.14	\$1,931.36	\$8,935.83
33	Change		\$103.21	-\$258.38	\$74.77	\$64.34	-\$515.64	-\$580.53	-\$1,112.24
34	% Chg		7.47%	-16.70%	6.64%	5.32%	-29.62%	-30.06%	-12.45%

*-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	\$0.6927

	Usage (Therms)	Summer 2022 Bill Amount	Summer 2023 Bill Amount	Total Bill		Base Rate		COG		LDAC	
	5	\$30.81	\$31.22	\$0.41	1.3%	\$0.82	2.7%	(\$0.93)	-3.0%	\$0.51	1.7%
	10	\$39.43	\$40.24	\$0.81	2.1%	\$1.64	4.2%	(\$1.85)	-4.7%	\$1.03	2.6%
	20	\$56.65	\$58.27	\$1.62	2.9%	\$3.27	5.8%	(\$3.71)	-6.5%	\$2.06	3.6%
Monthly*	25	\$65.26	\$67.29	\$2.03	3.1%	\$4.09	6.3%	(\$4.63)	-7.1%	\$2.57	3.9%
	30	\$73.88	\$76.31	\$2.43	3.3%	\$4.91	6.6%	(\$5.56)	-7.5%	\$3.09	4.2%
	45	\$99.71	\$103.36	\$3.65	3.7%	\$7.36	7.4%	(\$8.34)	-8.4%	\$4.63	4.6%
	50	\$108.33	\$112.38	\$4.05	3.7%	\$8.18	7.6%	(\$9.27)	-8.6%	\$5.15	4.8%
	75	\$151.39	\$157.47	\$6.08	4.0%	\$12.27	8.1%	(\$13.90)	-9.2%	\$7.72	5.1%
	125	\$237.52	\$247.65	\$10.13	4.3%	\$20.44	8.6%	(\$23.17)	-9.8%	\$12.86	5.4%
	150	\$280.58	\$292.74	\$12.16	4.3%	\$24.53	8.7%	(\$27.80)	-9.9%	\$15.44	5.5%
	200	\$366.71	\$382.92	\$16.21	4.4%	\$32.71	8.9%	(\$37.07)	-10.1%	\$20.58	5.6%

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

** Average distribution rates.