

NORTHERN UTILITIES, INC.- NEW HAMPSHIRE DIVISION
Gas Assistance Program and Regulatory Assessment (GAPRA)

Peak Period	Customer Charge	First Block	Last Block	Cost of Gas	Total
R-10 Base Rates	\$22.20	\$0.6920	\$0.6920	\$0.9392	
R-10 Rate Discounted 45%	\$12.21	\$0.3806	\$0.3806	\$0.5166	
Program Subsidy	\$9.99	\$0.3114	\$0.3114	\$0.4226	
Average Winter Therms		271	293	564	
Peak Period Subsidy	\$59.94	\$84.30	\$91.33	\$238.37	\$473.94
Number of Estimated 2021/2022 Participants (1)					694
Annual Subsidy times Number of Participants (Ln 7 * Ln 10)					\$328,913
Prior Year Ending Balance 10/31/2021 - GAPRA Page 2					\$26,008
Estimated Annual Administrative Costs					\$0
Estimated Non-Distribution Regulatory Assessment (Based on NHPUC invoice dated August 19, 2020)					\$116,230
Total Program Costs					\$471,152
Estimated weather normalized firm therms billed for the twelve months ended 10/31/22 sales and transportation (Attachment NUI-FXW-2, Page 2 of 4, "Total Division" minus "Special Contracts").					78,231,768
Total Gas Assistance Program and Regulatory Assessment Charge					\$0.0060

(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-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
2 DAYS IN MONTH	30	31	31	28	31	30	31	30	31	31	30	31	365
3													Average
4 GAPRA Participant Count	638	651	660	676	761	780	745	607	673	662	650	649	679
5													Total
6 Beginning Balance	(\$46,110)	(\$40,399)	(\$30,867)	(\$20,518)	(\$4,136)	\$26,505	\$46,388	\$49,257	\$43,903	\$37,320	\$35,097	\$32,459	(\$46,110)
7													
8 Add: Actual Costs	\$21,680	\$39,553	\$48,032	\$57,968	\$70,145	\$40,179	\$16,330	\$756	\$0	\$0	\$0	\$0	\$294,644
9													
10 Add: Regulatory Assessments	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$5,292	\$9,686	\$9,686	\$9,686	\$89,494
11													
12 Less: Collected Revenue	\$22,745	\$36,817	\$44,508	\$48,446	\$46,428	\$27,287	\$20,483	\$13,128	\$11,985	\$12,006	\$12,416	\$16,215	(\$312,465)
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	(\$40,282)	(\$30,770)	(\$20,449)	(\$4,103)	\$26,474	\$46,289	\$49,127	\$43,777	\$37,210	\$34,999	\$32,367	\$25,929	
17													
18 Month's Average Balance	(\$43,196)	(\$35,585)	(\$25,658)	(\$12,311)	\$11,169	\$36,397	\$47,757	\$46,517	\$40,557	\$36,160	\$33,732	\$29,194	
19													
20 Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
21													
22 Interest Applied	(\$117)	(\$96)	(\$69)	(\$33)	\$30	\$99	\$129	\$126	\$110	\$98	\$91	\$79	
23													
24 Ending Balance	(\$40,399)	(\$30,867)	(\$20,518)	(\$4,136)	\$26,505	\$46,388	\$49,257	\$43,903	\$37,320	\$35,097	\$32,459	\$26,008	

() Over Collection

NORTHERN UTILITIES, INC., NEW HAMPSHIRE DIVISION
Calculation of Distribution and Non-Distribution Revenues of the NHPUC Annual Regulatory Assessment
 NHPUC Assessment Invoice dated August 19, 2020

	July 2021	August 2021	September 2021	October 2021	November 2021	December 2021	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	Total Fiscal Year
Distribution	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$30,747.00	\$368,964.00 ¹
Non-Distribution	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$9,685.83	\$116,230.00 ²
Total	\$121,298.50		\$121,298.50		\$121,298.50		\$121,298.50		\$121,298.50		\$485,194.00		

(1) The \$368,964.00 for Distribution represents the amount established in Docket DG 17-070.
 (2) Total Invoice amount minus Distribution amount.

Northern Utilities, Inc. -- New Hampshire Division

EEC Budget				
	Residential	Low-Income	Gen Service	Total
July-21	\$33,412	\$24,892	\$39,983	\$98,287
August-21	\$27,081	\$33,203	\$156,828	\$217,112
September-21	\$54,162	\$66,406	\$171,085	\$291,653
October-21	\$38,687	\$47,433	\$185,342	\$271,462
November-21	\$30,950	\$37,946	\$171,085	\$239,981
December-21	\$30,950	\$37,946	\$213,857	\$282,753
January-22	\$25,558	\$12,390	\$46,568	\$84,517
February-22	\$42,597	\$20,650	\$46,568	\$109,816
March-22	\$51,117	\$24,780	\$69,852	\$145,749
April-22	\$59,636	\$28,910	\$81,495	\$170,041
May-22	\$59,636	\$28,910	\$46,568	\$135,115
June-22	\$102,234	\$49,560	\$58,210	\$210,004
July-22	\$110,753	\$53,690	\$81,495	\$245,938
August-22	\$59,636	\$28,910	\$128,063	\$216,609
September-22	\$119,273	\$57,820	\$139,705	\$316,798
October-22	\$85,195	\$41,300	\$151,347	\$277,842
Total	\$930,878	\$594,747	\$1,788,053	\$3,313,677

**Budget with Low-Income Costs Allocated
 to Residential and General Service Classes**

	Residential	Low-Income	Gen Service	Total
July-21	\$36,541	0	\$61,746	\$98,287
August-21	\$31,373	0	\$185,739	\$217,112
September-21	\$63,062	0	\$228,591	\$291,653
October-21	\$46,254	0	\$225,208	\$271,462
November-21	\$40,169	0	\$199,812	\$239,981
December-21	\$41,958	0	\$240,795	\$282,753
January-22	\$29,331	0	\$55,185	\$84,517
February-22	\$49,145	0	\$60,671	\$109,816
March-22	\$58,389	0	\$87,361	\$145,749
April-22	\$67,980	0	\$102,061	\$170,041
May-22	\$66,709	0	\$68,406	\$135,115
June-22	\$111,440	0	\$98,565	\$210,004
July-22	\$118,357	0	\$127,581	\$245,938
August-22	\$63,303	0	\$153,306	\$216,609
September-22	\$126,895	0	\$189,902	\$316,798
October-22	\$91,707	0	\$186,135	\$277,842
Total	\$1,042,614	\$0	\$2,271,064	\$3,313,677

EEC Charge Factor Calculation

EEC Charge Factors for Residential Customers

Effective
 November 1, 2021

EEC Reconciliation Adjustment	(\$1,137)	Attachment NUI-SED-1 EEC Page 3 Nov '21 Beginning Balance
EEC Costs	\$777,537	Attachment NUI-SED-1 EEC Page 3 Nov '21 Beginning Balance
EEC Performance Incentive	\$48,587	Attachment NUI-SED-1 EEC Page 3 Nov '21 - Oct '22 Totals; Company Budget
EEC Low-Income Costs	\$87,847	Attachment NUI-SED-1 EEC Page 3 Nov '21 - Oct '22 Totals; Company Budget
EEC Allocated Low-Income Performance Incentive	\$5,364	Attachment NUI-SED-1 EEC Page 3 Nov '21 - Oct '22 Totals; Company Budget
Total	\$918,197	
Forecasted Annual Throughput Volumes for Residential Customers	20,447,634	Attachment NUI-SED-1 EEC Page 3 Nov '21 - Oct '22 Totals; Company Forecast

Energy Efficiency Charge Factor for Residential Customers	\$0.0449
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EEC Charge Factors for Commercial and Industrial Customers (C&I)

EEC Reconciliation Adjustment	(\$279,480)	Attachment NUI-SED-1 EEC Page 4 Nov '21 Beginning Balance
EEC Costs	\$1,234,814	Attachment NUI-SED-1 EEC Page 4 Nov '21 - Oct '22 Totals; Company Budget
EEC Performance Incentive	\$67,041	Attachment NUI-SED-1 EEC Page 4 Nov '21 - Oct '22 Totals; Company Budget
EEC Low-Income Costs	\$334,966	Attachment NUI-SED-1 EEC Page 4 Nov '21 - Oct '22 Totals; Company Budget
EEC Allocated Low-Income Performance Incentive	\$18,124	Attachment NUI-SED-1 EEC Page 4 Nov '21 - Oct '22 Totals; Company Budget
Total	\$1,375,466	
Forecasted Annual Throughput Volumes for C&I Customers	57,784,135	Attachment NUI-SED-1 EEC Page 4 Nov '21 - Oct '22 Totals; Company Forecast

Energy Efficiency Charge Factor for C&I Customers	\$0.0238
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<p style="text-align: center;">Northern Utilities, Inc. New Hampshire Division Calculation of the EEC Charge, a Component of the Local Distribution Adjustment Charge To Be Effective November 1, 2021 through October 31, 2022 Residential Customers</p>															
		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
August-20	Actual	\$106,805	\$0.0499	\$15,693	\$73,181	\$2,929	\$1,176	\$186	\$168,585	\$137,695	3.25%	\$379.04	\$168,964	314,514	31
September-20	Actual	\$168,964	\$0.0499	\$20,232	\$32,481	\$2,929	\$17,160	\$196	\$201,499	\$185,232	3.25%	\$493.45	\$201,992	405,509	30
October-20	Actual	\$201,992	\$0.0499	\$28,271	\$127,745	\$2,929	\$1,385	\$231	\$306,012	\$254,002	3.25%	\$699.20	\$306,711	566,516	31
November-20	Actual	\$306,711	\$0.0774	\$80,520	\$90,389	\$2,929	\$21,486	\$332	\$341,327	\$324,019	3.25%	\$863.17	\$342,190	1,292,226	30
December-20	Actual	\$342,190	\$0.0774	\$180,763	\$64,517	\$2,929	\$2,615	\$396	\$231,884	\$287,037	3.25%	\$790.14	\$232,675	2,335,492	31
January-21	Actual	\$232,675	\$0.0774	\$236,745	\$83,689	\$5,057	\$14,651	\$752	\$100,079	\$166,377	3.25%	\$459.25	\$100,538	3,058,804	31
February-21	Actual	\$100,538	\$0.0774	\$265,342	\$98,676	\$1,517	\$5,488	\$232	(\$58,890)	\$20,824	3.25%	\$46.57 (1)	(\$58,843)	3,428,187	28
March-21	Actual	(\$58,843)	\$0.0774	\$251,839	\$122,027	\$3,287	\$18,711	\$499	(\$166,159)	(\$112,501)	3.25%	(\$310.53)	(\$166,469)	3,253,751	31
April-21	Actual	(\$166,469)	\$0.0774	\$127,532	\$63,474	\$3,287	\$2,596	\$430	(\$224,215)	(\$195,342)	3.25%	(\$521.80)	(\$224,737)	1,647,540	30
May-21	Actual	(\$224,737)	\$0.0774	\$84,351	\$146,008	\$3,287	\$4,533	\$378	(\$154,882)	(\$189,809)	3.25%	(\$523.92)	(\$155,406)	1,089,621	31
June-21	Actual	(\$155,406)	\$0.0774	\$39,772	\$122,835	\$4,959 (1)	\$1,603	(\$113)(1)	(\$65,894)	(\$110,650)	3.25%	\$819.85 (1)	(\$65,074)	513,703	30
July-21	Actual	(\$65,074)	\$0.0774	\$29,128	\$33,412	\$3,287	\$3,129	\$203	(\$54,171)	(\$59,623)	3.25%	(\$622.79)(1)	(\$54,794)	376,131	31
August-21	Forecast	(\$54,794)	\$0.0774	\$27,305	\$27,081	\$4,769	\$4,293	\$295	(\$45,661)	(\$50,228)	3.25%	(\$138.64)	(\$45,800)	352,774	31
September-21	Forecast	(\$45,800)	\$0.0774	\$29,272	\$54,162	\$4,769	\$8,900	\$306	(\$6,935)	(\$26,367)	3.25%	(\$70.43)	(\$7,005)	378,189	30
October-21	Forecast	(\$7,005)	\$0.0774	\$45,507	\$38,687	\$4,769	\$7,568	\$364	(\$1,125)	(\$4,065)	3.25%	(\$11.22)	(\$1,137)	587,951	31
November-21	Forecast	(\$1,137)	\$0.0449	\$69,103	\$30,950	\$4,769	\$9,220	\$554	(\$24,747)	(\$12,942)	3.25%	(\$34.57)	(\$24,782)	1,539,048	30
December-21	Forecast	(\$24,782)	\$0.0449	\$117,580	\$30,950	\$4,769	\$11,008	\$661	(\$94,973)	(\$59,877)	3.25%	(\$165.28)	(\$95,138)	2,618,699	31
January-22	Forecast	(\$95,138)	\$0.0449	\$162,524	\$25,558	\$3,905	\$3,773	\$576	(\$223,849)	(\$159,494)	3.25%	(\$440.25)	(\$224,289)	3,619,686	31
February-22	Forecast	(\$224,289)	\$0.0449	\$175,051	\$42,597	\$3,905	\$6,547	\$600	(\$345,691)	(\$284,990)	3.25%	(\$710.52)	(\$346,402)	3,898,694	28
March-22	Forecast	(\$346,402)	\$0.0449	\$130,011	\$51,117	\$3,905	\$7,272	\$555	(\$413,563)	(\$379,982)	3.25%	(\$1,048.85)	(\$414,612)	2,895,562	31
April-22	Forecast	(\$414,612)	\$0.0449	\$98,906	\$59,636	\$3,905	\$8,344	\$546	(\$441,087)	(\$427,850)	3.25%	(\$1,142.89)	(\$442,230)	2,202,807	30
May-22	Forecast	(\$442,230)	\$0.0449	\$56,808	\$59,636	\$3,905	\$7,072	\$463	(\$427,961)	(\$435,095)	3.25%	(\$1,200.98)	(\$429,162)	1,265,203	31
June-22	Forecast	(\$429,162)	\$0.0449	\$28,229	\$102,234	\$3,905	\$9,206	\$352	(\$341,694)	(\$385,428)	3.25%	(\$1,029.57)	(\$342,724)	628,698	30
July-22	Forecast	(\$342,724)	\$0.0449	\$18,382	\$110,753	\$3,905	\$7,603	\$268	(\$238,577)	(\$290,650)	3.25%	(\$802.27)	(\$239,379)	409,403	31
August-22	Forecast	(\$239,379)	\$0.0449	\$16,443	\$59,636	\$3,905	\$3,667	\$240	(\$188,374)	(\$213,877)	3.25%	(\$590.36)	(\$188,964)	366,219	31
September-22	Forecast	(\$188,964)	\$0.0449	\$17,630	\$119,273	\$3,905	\$7,622	\$250	(\$75,545)	(\$132,254)	3.25%	(\$353.28)	(\$75,898)	392,644	30
October-22	Forecast	(\$75,898)	\$0.0449	\$27,433	\$85,195	\$3,905	\$6,512	\$298	(\$7,420)	(\$41,659)	3.25%	(\$114.99)	(\$7,535)	610,971	31

Nov 21 thru Oct 22 Totals

\$918,099 \$777,537 \$48,587 \$87,847 \$5,364

20,447,634

Forecast therm Sales from Company Forecast as seen in Attachment NUI-FXW-1.

Actual Performance Incentives includes reconciliations from prior year(s).

(1) Reflects interest adjustments associated with PI true-up and reclass of costs.

Northern Utilities, Inc.
New Hampshire Division
Calculation of the EEC Charge, a Component of the Local Distribution Adjustment Charge
To Be Effective November 1, 2021 through October 31, 2022

General Service Customers

		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
August-20	Actual	(\$243,312)	\$0.0247	\$51,545	\$26,609	\$4,002	\$7,806	\$1,234	(\$255,206)	(\$249,259)	3.25%	(\$686)	(\$255,892)	2,086,783	31
September-20	Actual	(\$255,892)	\$0.0247	\$62,445	\$64,003	\$4,002	\$106,978	\$1,223	(\$142,130)	(\$199,011)	3.25%	(\$530)	(\$142,660)	2,528,069	30
October-20	Actual	(\$142,660)	\$0.0247	\$72,461	\$61,124	\$4,002	\$7,121	\$1,189	(\$141,685)	(\$142,173)	3.25%	(\$391)	(\$142,077)	2,912,954	31
November-20	Actual	(\$142,077)	\$0.0337	\$131,454	\$177,804	\$4,002	\$70,290	\$1,087	(\$20,347)	(\$81,212)	3.25%	(\$216)	(\$20,564)	4,227,455	30
December-20	Actual	(\$20,564)	\$0.0337	\$203,275	\$296,630	\$4,002	\$6,754	\$1,023	\$84,571	\$32,004	3.25%	\$88	\$84,659	6,031,844	31
January-21	Actual	\$84,659	\$0.0337	\$237,815	\$20,764	\$6,555	\$33,793	\$1,735	(\$90,309)	(\$2,825)	3.25%	(\$8)	(\$90,317)	7,055,251	31
February-21	Actual	(\$90,317)	\$0.0337	\$255,524	\$39,131	\$1,967	\$12,113	\$514	(\$292,116)	(\$191,217)	3.25%	(\$484)(1)	(\$292,601)	7,582,246	28
March-21	Actual	(\$292,601)	\$0.0337	\$245,940	\$74,412	\$4,261	\$41,967	\$1,118	(\$416,783)	(\$354,692)	3.25%	(\$979)	(\$417,762)	7,297,927	31
April-21	Actual	(\$417,762)	\$0.0337	\$153,469	\$27,439	\$4,261	\$7,174	\$1,187	(\$531,169)	(\$474,465)	3.25%	(\$1,267)	(\$532,436)	4,553,970	30
May-21	Actual	(\$532,436)	\$0.0337	\$120,178	\$20,822	\$4,261	\$14,834	\$1,238	(\$611,459)	(\$571,947)	3.25%	(\$1,579)	(\$613,037)	3,566,084	31
June-21	Actual	(\$613,037)	\$0.0337	\$83,292	\$43,459	(\$6,936)(1)	\$7,711	\$2,096 (1)	(\$649,999)	(\$631,518)	3.25%	(\$2,101)(1)	(\$652,100)	2,471,584	30
July-21	Actual	(\$652,100)	\$0.0337	\$88,164	\$39,983	\$4,261	\$21,763	\$1,414	(\$672,843)	(\$662,472)	3.25%	(\$1,829)	(\$674,672)	2,616,202	31
August-21	Forecast	(\$674,672)	\$0.0337	\$80,069	\$156,828	\$6,841	\$28,910	\$1,985	(\$560,177)	(\$617,424)	3.25%	(\$1,704)	(\$561,881)	2,375,936	31
September-21	Forecast	(\$561,881)	\$0.0337	\$82,350	\$171,085	\$6,841	\$57,506	\$1,974	(\$406,825)	(\$484,353)	3.25%	(\$1,294)	(\$408,118)	2,443,631	30
October-21	Forecast	(\$408,118)	\$0.0337	\$104,378	\$185,342	\$6,841	\$39,865	\$1,916	(\$278,532)	(\$343,325)	3.25%	(\$948)	(\$279,480)	3,097,272	31
November-21	Forecast	(\$279,480)	\$0.0238	\$114,126	\$171,085	\$6,841	\$28,726	\$1,726	(\$185,227)	(\$232,353)	3.25%	(\$621)	(\$185,848)	4,795,193	30
December-21	Forecast	(\$185,848)	\$0.0238	\$152,513	\$213,857	\$6,841	\$26,938	\$1,618	(\$89,107)	(\$137,477)	3.25%	(\$379)	(\$89,486)	6,408,112	31
January-22	Forecast	(\$89,486)	\$0.0238	\$196,751	\$46,568	\$5,336	\$8,617	\$1,316	(\$224,400)	(\$156,943)	3.25%	(\$433)	(\$224,833)	8,266,852	31
February-22	Forecast	(\$224,833)	\$0.0238	\$199,861	\$46,568	\$5,336	\$14,103	\$1,293	(\$357,394)	(\$291,114)	3.25%	(\$726)	(\$358,120)	8,397,502	28
March-22	Forecast	(\$358,120)	\$0.0238	\$165,932	\$69,852	\$5,336	\$17,508	\$1,337	(\$430,018)	(\$394,069)	3.25%	(\$1,088)	(\$431,106)	6,971,920	31
April-22	Forecast	(\$431,106)	\$0.0238	\$129,225	\$81,495	\$5,336	\$20,566	\$1,347	(\$451,587)	(\$441,346)	3.25%	(\$1,179)	(\$452,766)	5,429,623	30
May-22	Forecast	(\$452,766)	\$0.0238	\$92,978	\$46,568	\$5,336	\$21,838	\$1,430	(\$470,572)	(\$461,669)	3.25%	(\$1,274)	(\$471,847)	3,906,651	31
June-22	Forecast	(\$471,847)	\$0.0238	\$65,592	\$58,210	\$5,336	\$40,354	\$1,541	(\$431,997)	(\$451,922)	3.25%	(\$1,207)	(\$433,204)	2,755,986	30
July-22	Forecast	(\$433,204)	\$0.0238	\$59,061	\$81,495	\$5,336	\$46,087	\$1,625	(\$357,723)	(\$395,463)	3.25%	(\$1,092)	(\$358,814)	2,481,573	31
August-22	Forecast	(\$358,814)	\$0.0238	\$60,003	\$128,063	\$5,336	\$25,243	\$1,653	(\$258,522)	(\$308,668)	3.25%	(\$852)	(\$259,374)	2,521,135	31
September-22	Forecast	(\$259,374)	\$0.0238	\$61,541	\$139,705	\$5,336	\$50,198	\$1,643	(\$124,034)	(\$191,704)	3.25%	(\$512)	(\$124,546)	2,585,748	30
October-22	Forecast	(\$124,546)	\$0.0238	\$77,679	\$151,347	\$5,336	\$34,788	\$1,594	(\$9,159)	(\$66,853)	3.25%	(\$185)	(\$9,344)	3,263,837	31

Nov 21 thru Oct 22 Totals

\$1,375,262 \$1,234,814 \$67,041 \$334,966 \$18,124

57,784,134

Forecast therm Sales from Company Forecast as seen in Attachment NUI-FXW-1. Does not include Special Contracts.

Actual Performance Incentives includes reconciliations from prior year(s).

(1) Reflects interest adjustments associated with PI true-up.

CALCULATION OF ENVIRONMENTAL RESPONSE COST RATE

November 1, 2021 through October 31, 2022

Total ERC Costs for the Period	\$432,594 (See 2021 ERC Invoice Filing, Schedule 1)
Less Current (Over)/Under Collection (Estimated)	\$3,446 (See page 2 of 2)
	<hr/>
Total ERC Cost to be Recovered	<u>\$436,040</u>
Forecasted Firm Sales & Firm Transportation Volumes (Attachment NUI-FXW-2, Page 2 of 4, "Total Division" subtract "Special Contracts").	<u>78,231,768</u>
ERC Recovery Rate	<u><u>\$0.0056</u></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-'20	Actual	\$21,166	\$32,902	\$418,530	\$406,794
December	Actual	\$406,794	\$51,043		\$355,751
January- '21	Actual	\$355,751	\$61,701		\$294,050
February	Actual	\$294,050	\$67,167		\$226,883
March	Actual	\$226,883	\$64,367		\$162,516
April	Actual	\$162,516	\$37,834		\$124,683
May	Actual	\$124,683	\$28,409		\$96,273
June	Actual	\$96,273	\$18,225		\$78,048
July	Actual	\$78,048	\$18,264		\$59,784
August	Est.	\$59,784	\$16,645		\$43,139
September	Est.	\$43,139	\$17,213		\$25,926
October	Est.	\$25,926	\$22,480		\$3,446

Northern Utilities, Inc.			
Calculation of Lost Revenue Rate (LRR)			
Line	Sector		Reference
		Effective	
		November 1, 2021	
1	Residential Classes- R5, R6, R10, R11 Sector Ending Balance-October 31	\$ 22,628	Page 2a, Ln 2
2	Lost Distribution Revenue-November through October	111,533	Page 2a, Ln 4, Total
3	Interest- November through October	86	Page 2a, Ln 17, Total
4	Total to be recovered	<u>\$ 134,247</u>	Line 1 + Line 2 + Line 3
5	Sector Sales - Therms- November through October	<u>20,447,634</u>	Page 2a, Line 7
6	Lost Revenue Rate (\$ per therm)	\$0.0066	Line 4 / Line 5
<hr/>			
	Commercial & Industrial Classes-G40/T40, G50/T50, G41/T41, G51/T51, G42/T42, G-52/T52		
7	Sector Ending Balance-October 31	(24,617)	Page 2a, Ln 21
8	Lost Distribution Revenue-November through October	\$ 61,769	Page 2a, Ln 24, Total
9	Interest- November through October	\$ (178)	Page 2a, Ln 37, Total
10	Total to be recovered	<u>\$ 36,973</u>	Line 7 + Line 8 + Line 9
11	Sector Sales - Therms- November through October	<u>57,784,134</u>	Page 2a, Line 27
12	Lost Revenue Rate (\$ per therm)	\$0.0006	Line 10 / Line 11

Northern Utilities, Inc.
Lost Revenue Reconciliation
2021

Line	Sector / Description	Unit	Recast Nov-20	Recast Dec-20	Recast Jan-21	Recast Feb-21	Recast Mar-21	Recast Apr-21	Recast May-21	Recast Jun-21	Recast Jul-21	Recast Aug-21	Recast Sep-21	Recast Oct-21	Total
1	RESIDENTIAL														
2	Beginning Balance - (Over)/Under	\$'s	\$ 98,969	\$ 105,697	\$ 83,059	\$ 44,526	\$ (2,062)	\$ (44,644)	\$ (51,570)	\$ (49,246)	\$ (33,707)	\$ (14,493)	\$ 5,979	\$ 26,715	
3	COSTS														
4	Lost Distribution Revenue (Page 3, Line 23)	\$'s	\$ 27,365	\$ 28,485	\$ 28,583	\$ 28,780	\$ 29,067	\$ 29,453	\$ 26,442	\$ 26,956	\$ 27,557	\$ 28,245	\$ 29,013	\$ 8,780	\$318,725
5															
6	REVENUE														
7	Sector Sales	Therms	1,292,226	2,335,492	3,058,804	3,428,187	3,253,751	1,647,540	1,089,621	513,703	376,131	352,774	378,189	587,951	18,314,368
8	Lost Revenue Rate	\$/Therm	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	\$0.0220	
9	Revenue	\$'s	\$ 20,909	\$ 51,382	\$ 67,293	\$ 75,421	\$ 71,584	\$ 36,251	\$ 23,978	\$ 11,307	\$ 8,277	\$ 7,761	\$ 8,320	\$ 12,935	395,417
10															
11	(Over)/Under-Recovery (Exc interest)	\$	\$ 105,425	\$ 82,800	\$ 44,350	\$ (2,115)	\$ (44,580)	\$ (51,442)	\$ (49,107)	\$ (33,597)	\$ (14,427)	\$ 5,990	\$ 26,671	\$ 22,560	
12															
13	INTEREST														
14	Average Monthly Balance	\$	\$ 102,197	\$ 94,249	\$ 63,705	\$ 21,205	\$ (23,321)	\$ (48,043)	\$ (50,339)	\$ (41,421)	\$ (24,067)	\$ (4,252)	\$ 16,325	\$ 24,638	
15	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
16	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
17	Computed Interest	\$'s	\$ 272	\$ 259	\$ 176	\$ 53	\$ (64)	\$ (128)	\$ (139)	\$ (111)	\$ (66)	\$ (12)	\$ 44	\$ 68	\$ 352
18															
19	Ending Balance	\$'s	\$ 105,697	\$ 83,059	\$ 44,526	\$ (2,062)	\$ (44,644)	\$ (51,570)	\$ (49,246)	\$ (33,707)	\$ (14,493)	\$ 5,979	\$ 26,715	\$ 22,628	
20	COMMERCIAL & INDUSTRIAL														
21	Beginning Balance - (Over)/Under	\$'s	\$ (12,347)	\$ (10,783)	\$ (13,578)	\$ (19,216)	\$ (26,322)	\$ (32,427)	\$ (30,070)	\$ (30,985)	\$ (28,400)	\$ (26,000)	\$ (22,590)	\$ (19,059)	
22															
23	COSTS														
24	Lost Distribution Revenue (Page 3, Line 36)	\$'s	\$ 12,930	\$ 15,335	\$ 15,580	\$ 15,698	\$ 15,870	\$ 16,101	\$ 9,868	\$ 10,078	\$ 10,323	\$ 10,604	\$ 10,918	\$ 3,793	147,099
25															
26	REVENUE														
27	Sector Sales	Therms	4,273,046	5,887,088	7,167,043	7,641,797	6,930,321	5,063,577	3,549,981	2,467,336	2,179,685	2,375,936	2,443,631	3,097,272	53,076,714
28	Lost Revenue Rate	\$/Therm	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	
29	Revenue	\$'s	\$ 11,336	\$ 18,096	\$ 21,173	\$ 22,747	\$ 21,894	\$ 13,662	\$ 10,698	\$ 7,414	\$ 7,848	\$ 7,128	\$ 7,331	\$ 9,292	158,619
30															
31	(Over)/Under-Recovery (Exc interest)	\$'s	\$ (10,753)	\$ (13,544)	\$ (19,171)	\$ (26,265)	\$ (32,346)	\$ (29,987)	\$ (30,901)	\$ (28,321)	\$ (25,925)	\$ (22,524)	\$ (19,003)	\$ (24,557)	
32															
33	INTEREST														
34	Average Monthly Balance	\$	\$ (11,550)	\$ (12,164)	\$ (16,374)	\$ (22,740)	\$ (29,334)	\$ (31,207)	\$ (30,486)	\$ (29,653)	\$ (27,163)	\$ (24,262)	\$ (20,797)	\$ (21,808)	
35	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
36	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
37	Computed Interest	\$'s	\$ (31)	\$ (33)	\$ (45)	\$ (57)	\$ (81)	\$ (83)	\$ (84)	\$ (79)	\$ (75)	\$ (67)	\$ (56)	\$ (60)	\$ (752)
38															
39	Ending Balance	\$'s	\$ (10,783)	\$ (13,578)	\$ (19,216)	\$ (26,322)	\$ (32,427)	\$ (30,070)	\$ (30,985)	\$ (28,400)	\$ (26,000)	\$ (22,590)	\$ (19,059)	\$ (24,617)	

Northern Utilities, Inc.
Lost Revenue Reconciliation
2022

Line	Sector / Description	Unit	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	Estimate Feb-22	Estimate Mar-22	Estimate Apr-22	Estimate May-22	Estimate Jun-22	Estimate Jul-22	Estimate Aug-22	Estimate Sep-22	Estimate Oct-22	Total
1	RESIDENTIAL														
2	Beginning Balance - (Over)/Under	\$'s	\$ 22,628	\$ 23,539	\$ 18,484.55	\$ 6,899	\$ (6,366)	\$ (12,749)	\$ (14,185)	\$ (10,537)	\$ (2,156)	\$ 8,298	\$ 5,900	\$ 3,321	
3	COSTS														
4	Lost Distribution Revenue (Page 3a, Line 20)	\$'s	\$ 11,007	\$ 12,171	\$ 12,269	\$ 12,466	\$ 12,753	\$ 13,139	\$ 12,032	\$ 12,547	\$ 13,148	\$ -	\$ -	\$ -	\$111,533
5															
6	REVENUE														
7	Sector Sales	Therms	1,539,048	2,618,699	3,619,686	3,898,694	2,895,562	2,202,807	1,265,203	628,698	409,403	366,219	392,644	610,971	20,447,634
8	Lost Revenue Rate (Page 1, L. 6)	\$/Therm	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	\$0.0066	
9	Revenue	\$'s	\$ 10,158	\$ 17,283	\$ 23,890	\$ 25,731	\$ 19,111	\$ 14,539	\$ 8,350	\$ 4,149	\$ 2,702	\$ 2,417	\$ 2,591	\$ 4,032	134,954
10															
11	(Over)/Under-Recovery (Exc interest)	\$	\$ 23,477	\$ 18,427	\$ 6,864	\$ (6,366)	\$ (12,723)	\$ (14,149)	\$ (10,503)	\$ (2,140)	\$ 8,289	\$ 5,881	\$ 3,309	\$ (711)	
12															
13	INTEREST														
14	Average Monthly Balance	\$	\$ 23,053	\$ 20,983	\$ 12,674	\$ 266	\$ (9,544)	\$ (13,449)	\$ (12,344)	\$ (6,338)	\$ 3,066	\$ 7,089	\$ 4,604	\$ 1,305	
15	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
16	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
17	Computed Interest	\$'s	\$ 62	\$ 58	\$ 35	\$ 1	\$ (26)	\$ (36)	\$ (34)	\$ (17)	\$ 8	\$ 20	\$ 12	\$ 4	\$ 86
18															
19	Ending Balance	\$'s	\$ 23,539	\$ 18,485	\$ 6,899	\$ (6,366)	\$ (12,749)	\$ (14,185)	\$ (10,537)	\$ (2,156)	\$ 8,298	\$ 5,900	\$ 3,321	\$ (708)	
20	COMMERCIAL & INDUSTRIAL														
21	Beginning Balance - (Over)/Under	\$'s	\$ (24,617)	\$ (20,698)	\$ (17,049.35)	\$ (14,449)	\$ (11,799)	\$ (8,119)	\$ (3,273)	\$ (500)	\$ 3,182	\$ 7,285	\$ 5,790	\$ 4,252	
22															
23	COSTS														
24	Lost Distribution Revenue (Page 3a, Line 33)	\$'s	\$ 6,857	\$ 7,546	\$ 7,604	\$ 7,721	\$ 7,891	\$ 8,119	\$ 5,122	\$ 5,332	\$ 5,577	\$ -	\$ -	\$ -	61,769
25															
26	REVENUE														
27	Sector Sales	Therms	4,795,193	6,408,112	8,266,852	8,397,502	6,971,920	5,429,623	3,906,651	2,755,986	2,481,573	2,521,135	2,585,748	3,263,837	57,784,134
28	Lost Revenue Rate (Page 1, L. 12)	\$/Therm	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	\$0.0006	
29	Revenue	\$'s	\$ 2,877	\$ 3,845	\$ 4,960	\$ 5,039	\$ 4,183	\$ 3,258	\$ 2,344	\$ 1,654	\$ 1,489	\$ 1,513	\$ 1,551	\$ 1,958	34,670
30															
31	(Over)/Under-Recovery (Exc interest)	\$'s	\$ (20,638)	\$ (16,997)	\$ (14,405)	\$ (11,766)	\$ (8,091)	\$ (3,258)	\$ (495)	\$ 3,178	\$ 7,270	\$ 5,772	\$ 4,239	\$ 2,294	
32															
33	INTEREST														
34	Average Monthly Balance	\$	\$ (22,628)	\$ (18,848)	\$ (15,727)	\$ (13,108)	\$ (9,945)	\$ (5,688)	\$ (1,884)	\$ 1,339	\$ 5,226	\$ 6,528	\$ 5,014	\$ 3,273	
35	Interest Rate-WSJ Prime Rate	Annual %	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	Total
36	Days per Month		30	31	31	28	31	30	31	30	31	31	30	31	365
37	Computed Interest	\$'s	\$ (60)	\$ (52)	\$ (43)	\$ (33)	\$ (27)	\$ (15)	\$ (5)	\$ 4	\$ 14	\$ 18	\$ 13	\$ 9	\$ (178)
38															
39	Ending Balance	\$'s	\$ (20,698)	\$ (17,049)	\$ (14,449)	\$ (11,799)	\$ (8,119)	\$ (3,273)	\$ (500)	\$ 3,182	\$ 7,285	\$ 5,790	\$ 4,252	\$ 2,303	

Northern Utilities
 Monthly and Cumulative Savings (Therms) and Lost Base Revenue
 November 1, 2020 to October 31, 2021

Northern Utilities Inc.
 NHPUC Docket No. DG 21-xxx
 Attachment NUI-SED-1 LRR
 Page 3 of 6

Line	Description	10/31/2020	Recast Nov-20	Recast Dec-20	Recast Jan-21	Recast Feb-21	Recast Mar-21	Recast Apr-21	Recast May-21	Recast Jun-21	Recast Jul-21	Recast Aug-21	Recast Sep-21	Recast Oct-21	Period Annual Savings
	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O
1	Residential Annualized Savings 2017	70,756													
2	Residential Annualized Savings 2018	115,768													
3	Residential Annualized Savings 2019	162,615													
4	Residential Annualized Savings 2020 (Page 4, L. 1)	118,543	7,203	19,430											
5	Residential Annualized Savings 2021		-	-	1,706	3,411	4,986	6,691	8,397	10,103	11,809	13,514	15,089	16,794	92,500
6	C&I Annualized Savings 2017	265,574													
7	C&I Annualized Savings 2018	182,120													
8	C&I Annualized Savings 2019	241,161													
9	C&I Annualized Savings 2020 (Page 4, L. 19)	62,360	34019	146033											
10	C&I Annualized Savings 2021		-	-	3,535	7,070	10,332	13,867	17,402	20,937	24,472	28,006	31,269	34,804	191,694
			Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	LBR
11	Monthly Residential Savings (2017 - 2019)														
12	Cumulative Residential Savings	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	349,139
13	Average Residential Distribution Rate (Page 5)		0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6108	0.6108	0.6108	0.6108	0.6108	
14	Lost Residential Revenue		\$ 20,119	\$ 20,119	\$ 20,119	\$ 20,119	\$ 20,119	\$ 20,119	\$ 17,770	\$ 17,770	\$ 17,770	\$ 17,770	\$ 17,770	\$ -	\$ 209,567
15	Monthly Residential Savings (2020)		600	1,619	-	-	-	-	-	-	-	-	-	-	2,219
16	Cumulative Residential Savings	9,879	10,479	12,098	12,098	12,098	12,098	12,098	12,098	12,098	12,098	12,098	12,098	6,667	138,127
17	Average Residential Distribution Rate (Page 5)		0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108	
18	Lost Residential Revenue		\$ 7,246	\$ 8,366	\$ 8,366	\$ 8,366	\$ 8,366	\$ 8,366	\$ 7,389	\$ 7,389	\$ 7,389	\$ 7,389	\$ 7,389	\$ 4,072	\$ 90,093
19	Monthly Residential Savings (2021)		-	-	142.14	284.28	415.48	557.62	699.76	841.90	984.04	1,126.18	1,257.39	1,399.53	7,708
20	Cumulative Residential Savings	-	-	-	142	426	842	1,400	2,099	2,941	3,925	5,051	6,309	7,708	30,844
21	Average Residential Distribution Rate (Page 5)		0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108	
22	Lost Residential Revenue		\$ -	\$ -	\$ 98	\$ 295	\$ 582	\$ 968	\$ 1,282	\$ 1,796	\$ 2,397	\$ 3,085	\$ 3,853	\$ 4,708	\$ 19,066
23	Total Residential Lost Revenue		\$ 27,365	\$ 28,485	\$ 28,583	\$ 28,780	\$ 29,067	\$ 29,453	\$ 26,442	\$ 26,956	\$ 27,557	\$ 28,245	\$ 29,013	\$ 8,780	\$ 318,725
24	Monthly C&I Savings (2017-2019)														
25	Cumulative C&I Savings	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	688,855
26	Average Residential Distribution Rate (Page 5)		0.1976	0.1976	0.2000	0.2000	0.2000	0.2000	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	
27	Lost C&I Revenue		\$ 11,343	\$ 11,343	\$ 11,481	\$ 11,481	\$ 11,481	\$ 11,481	\$ 6,912	\$ 6,912	\$ 6,912	\$ 6,912	\$ 6,912	\$ -	\$ 103,169
28	Monthly C&I Savings (2020)		2,835	12,169	-	-	-	-	-	-	-	-	-	-	15,004
29	Cumulative C&I Savings	5,197	8,032	20,201	20,201	20,201	20,201	20,201	20,201	20,201	20,201	20,201	20,201	15,530	225,571
30	Average Residential Distribution Rate (Page 5)		0.1976	0.1976	0.2000	0.2000	0.2000	0.2000	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	
31	Lost C&I Revenue		\$ 1,587	\$ 3,992	\$ 4,040	\$ 4,040	\$ 4,040	\$ 4,040	\$ 2,432	\$ 2,432	\$ 2,432	\$ 2,432	\$ 2,432	\$ 1,870	\$ 35,771
32	Monthly C&I Savings (2021)		-	-	295	589	861	1,156	1,450	1,745	2,039	2,334	2,606	2,900	15,975
33	Cumulative C&I Savings	-	-	-	295	884	1,745	2,900	4,351	6,095	8,135	10,468	13,074	15,975	63,921
34	Average Residential Distribution Rate (Page 5)		0.1976	0.1976	0.2000	0.2000	0.2000	0.2000	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	
35	Lost C&I Revenue		\$ -	\$ -	\$ 59	\$ 177	\$ 349	\$ 580	\$ 824	\$ 1,079	\$ 1,360	\$ 1,674	\$ 2,023	\$ 2,403	\$ 14,975
36	Total C&I Lost Revenue		\$ 12,930	\$ 15,335	\$ 15,580	\$ 15,698	\$ 15,870	\$ 16,101	\$ 9,868	\$ 10,078	\$ 10,323	\$ 10,604	\$ 10,918	\$ 3,793	\$ 147,099
37	Total Lost Revenue		\$ 40,296	\$ 43,820	\$ 44,163	\$ 44,478	\$ 44,937	\$ 45,554	\$ 36,310	\$ 37,034	\$ 37,880	\$ 38,849	\$ 39,931	\$ 12,573	\$ 465,826

Lines 1, 6: 2017 Annual Report
 Lines 2, 7: 2018 Annual Report
 Lines 3, 8: 2019 Annual Report
 Lines 4, 9: Page 4, Lines 1, 19
 Lines 5, 10: DE 17-136 Approved Savings Budget
 Line 12: Lines (1 +2 +3)/12
 Line 16: Line 4/12
 Line 25: Lines (6 + 7 +8)/12
 Line 29: Line 9/12

Northern Utilities
 Monthly and Cumulative Savings (Therms) and Lost Base Revenue
 November 1, 2021 to October 31, 2022

Northern Utilities Inc.
 NHPUC Docket No. DG 21-xxx
 Attachment NUI-SED-1 LRR
 Page 3a of 6

Line	Description	10/31/2021	Estimate Nov-21	Estimate Dec-21	Estimate Jan-22	Estimate Feb-22	Estimate Mar-22	Estimate Apr-22	Estimate May-22	Estimate Jun-22	Estimate Jul-22	Estimate Aug-22	Estimate Sep-22	Estimate Oct-22	Period Annual Savings
	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O
1	Residential Annualized Savings 2020	80,008													-
2	Residential Annualized Savings 2021	92,500	18,500	20,206											
3	Residential Annualized Savings 2022		-	-	1,706	3,411	4,986	6,691	8,397	10,103	11,809	13,514	15,089	16,794	
4	C&I Annualized Savings 2020	186,355													
5	C&I Annualized Savings 2021	191,694	38,339	41,874											
6	C&I Annualized Savings 2022		-	-	3,535	7,070	10,332	13,867	17,402	20,937	24,472	28,006	31,269	34,804	
7	Total		56,839	62,079	5,240	10,481	15,318	20,559	25,799	31,040	36,280	41,521	46,358	51,598	-
			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	LBR
8	2020 Monthly Residential Savings														
9	Cumulative Residential Savings	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	6,667	-	-	-	60,006
10	Average Residential Distribution Rate (Page 5)		<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6108</u>	<u>0.6108</u>	-	<u>0.6108</u>	<u>0.6108</u>	
11	Lost Residential Revenue		\$ 4,610	\$ 4,610	\$ 4,610	\$ 4,610	\$ 4,610	\$ 4,610	\$ 4,072	\$ 4,072	\$ 4,072	\$ -	\$ -	\$ -	\$ 39,879
12	2021 Monthly Residential Savings		1,542	1,684	-	-	-	-	-	-	-	-	-	-	3,225
13	Cumulative Residential Savings	7,708	9,250	10,934	10,934	10,934	10,934	10,934	10,934	10,934	10,934	-	-	-	96,720
14	Average Residential Distribution Rate (Page 5)		<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6108</u>	<u>0.6108</u>	<u>0.6108</u>	-	<u>0.6108</u>	<u>0.6108</u>	
15	Lost Residential Revenue		\$ 6,396	\$ 7,561	\$ 7,561	\$ 7,561	\$ 7,561	\$ 7,561	\$ 6,678	\$ 6,678	\$ 6,678	\$ -	\$ -	\$ -	\$ 64,234
16	2022 Monthly Residential Savings		-	-	142	284	415	558	700	842	984	-	-	-	3,925
17	Cumulative Residential Savings	-	-	-	142	426	842	1,400	2,099	2,941	3,925	-	-	-	11,776
18	Average Residential Distribution Rate (Page 5)		<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6915</u>	<u>0.6108</u>	<u>0.6108</u>	<u>0.6108</u>	-	<u>0.6108</u>	<u>0.6108</u>	
19	Lost Residential Revenue		\$ -	\$ -	\$ 98	\$ 295	\$ 582	\$ 968	\$ 1,282	\$ 1,796	\$ 2,397	\$ -	\$ -	\$ -	\$ 7,419
20	Total Lost Residential Revenue		\$ 11,007	\$ 12,171	\$ 12,269	\$ 12,466	\$ 12,753	\$ 13,139	\$ 12,032	\$ 12,547	\$ 13,148	\$ -	\$ -	\$ -	\$ 111,533
21	2020 Monthly C&I Savings														
22	Cumulative C&I Savings	15,530	15,530	15,530	15,530	15,530	15,530	15,530	15,530	15,530	15,530	-	-	-	139,766
23	Average C&I Distribution Rate (Page 5)		<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	
24	Lost C&I Revenue		\$ 3,069	\$ 3,069	\$ 3,069	\$ 3,069	\$ 3,069	\$ 3,069	\$ 1,870	\$ 1,870	\$ 1,870	\$ -	\$ -	\$ -	\$ 24,021
25	2021 Monthly C&I Savings		3,195	3,489											6,684
26	Cumulative C&I Savings	15,975	19,169	22,659	22,659	22,659	22,659	22,659	22,659	22,659	22,659	-	-	-	200,440
27	Average C&I Distribution Rate (Page 5)		<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	
28	Lost C&I Revenue		\$ 3,788	\$ 4,477	\$ 4,477	\$ 4,477	\$ 4,477	\$ 4,477	\$ 2,728	\$ 2,728	\$ 2,728	\$ -	\$ -	\$ -	\$ 34,360
29	2022 Monthly C&I Savings		-	-	295	589	861	1,156	1,450	1,745	2,039	-	-	-	8,135
30	Cumulative C&I Savings		-	-	295	884	1,745	2,900	4,351	6,095	8,135	-	-	-	24,404
31	Average C&I Distribution Rate (Page 5)		<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1976</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	<u>0.1204</u>	
32	Lost C&I Revenue		\$ -	\$ -	\$ 58	\$ 175	\$ 345	\$ 573	\$ 524	\$ 734	\$ 979	\$ -	\$ -	\$ -	\$ 3,388
33	Total Lost C&I Revenue		\$ 6,857	\$ 7,546	\$ 7,604	\$ 7,721	\$ 7,891	\$ 8,119	\$ 5,122	\$ 5,332	\$ 5,577	\$ -	\$ -	\$ -	\$ 61,769
34	Total Lost Revenue		\$ 17,863	\$ 19,717	\$ 19,874	\$ 20,187	\$ 20,644	\$ 21,258	\$ 17,154	\$ 17,879	\$ 18,725	\$ -	\$ -	\$ -	\$ 173,301

- Line 1: Page 4, Line 18
- Line 2: Total, Page 3, Line 13
- Line 3: DE 17-136 Approved Savings Budget
- Line 4: Page 4, Line 36
- Line 5: Total, Page 3, Line 10
- Line 6: DE 7-136 Approved Savings Budget
- Line 9: Line 1 / 12
- Line 13: Page 3, Line 20, Col. N
- Line 16: Line 3/12
- Line 22: Line 4/12
- Line 26: Line 5/12
- Line 29: Line 6/12

Northern Utilities, Inc.
2020 Residential Installed Therm Savings
Savings Annualization

Northern Utilities Inc.
NHPUC Docket No. DG 21-xxx
Attachment NUI-SED-1 LRR
Page 3 of 6

Line	Description	2020												Annual Savings
		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	
	Col. A	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O
1	Monthly Residential Therm Savings*	-	16,204	15,242	7,355	918	4,876	3,827	30,944	14,644	24,534	7,203	19,430	145,176
2														
3	Monthly Residential Therm Savings													
4	January 2020	-	-	-	-	-	-	-	-	-	-	-	-	-
5	February 2020		1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	14,853
6	March 2020			1,270	1,270	1,270	1,270	1,270	1,270	1,270	1,270	1,270	1,270	12,702
7	April 2020				613	613	613	613	613	613	613	613	613	5,516
8	May 2020					76	76	76	76	76	76	76	76	612
9	June 2020						406	406	406	406	406	406	406	2,844
10	July 2020							319	319	319	319	319	319	1,913
11	August 2020								2,579	2,579	2,579	2,579	2,579	12,893
12	September 2020									1,220	1,220	1,220	1,220	4,881
13	October 2020										2,044	2,044	2,044	6,133
14	November 2020											600	600	1,201
15	December 2020												1,619	1,619
16	Total 2020 Therm Savings Realized in 2020	-	1,350	2,621	3,233	3,310	3,716	4,035	6,614	7,834	9,879	10,479	12,098	65,169
17														
18	2020 Residential Therm Savings Realized in 2021	-	1,350	2,540	1,839	306	2,031	1,913	18,051	9,762	18,400	6,003	17,811	80,008

*Per DE 17-136 Northern Utilities, Inc 2020 Energy Efficiency Revised Annual Report filed on June 29, 2021 Page 1 of 18(Revised)

2020 C&I Installed Therm Savings
Savings Annualization

Line	Description	2020												Annual Savings
		Actual Jan-20	Actual Feb-20	Actual Mar-20	Actual Apr-20	Actual May-20	Actual Jun-20	Actual Jul-20	Actual Aug-20	Actual Sep-20	Actual Oct-20	Actual Nov-20	Actual Dec-20	
	Col. A	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O
19	Monthly C&I Therm Savings*	10,885	3,916	3,966	2,324	14,685	4,167	494	783	7,393	13,748	34,019	146,033	242,412
20														
21	Monthly C&I Annualized Therm Savings													
22	January 2020	907	907	907	907	907	907	907	907	907	907	907	907	10,885
23	February 2020		326	326	326	326	326	326	326	326	326	326	326	3,590
24	March 2020			331	331	331	331	331	331	331	331	331	331	3,305
25	April 2020				194	194	194	194	194	194	194	194	194	1,743
26	May 2020					1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	9,790
27	June 2020						347	347	347	347	347	347	347	2,431
28	July 2020							41	41	41	41	41	41	247
29	August 2020								65	65	65	65	65	326
30	September 2020									616	616	616	616	2,464
31	October 2020										1,146	1,146	1,146	3,437
32	November 2020											2,835	2,835	5,670
33	December 2020												12,169	12,169
34	Total 2020 C&I Therm Savings Realized in 2020	907	1,233	1,564	1,758	2,981	3,329	3,370	3,435	4,051	5,197	8,032	20,201	56,057
35														
36	2020 C&I Therm Savings Realized in 2021	-	326	661	581	4,895	1,736	247	457	4,929	10,311	28,349	133,864	186,355

*Per DE 17-136 Northern Utilities, Inc 2020 Energy Efficiency Revised Annual Report filed on June 29, 2021 Page 1 of 18(Revised)

Northern Utilities, Inc.

Summary of Average Distribution Rate for Lost Revenue

Line	Calculation of Average Distribution Rate for Lost Revenue (Detail)													
	(1)	(2)	(3)=(1)X(2)	(4)		(5)		(6) = (4) X (5)	(7)		(8)		(9) = (7) X (8)	
	Number of Customers	Customer Charge	Customer Charge	Billing Determinants - Winter First	Excess	Winter Distribution Rates First	Excess	Winter Distribution Revenue	Billing Determinants - Summer First	Excess	Summer Distribution Rates First	Excess	Summer Distribution Revenue	
			Therms	Therms	Therms \$/thm	Therms \$/thm	Revenue	Therms	Therms	Therms \$/thm	Therms \$/thm	Revenue		
8	R-5 Residential, Heating	254,235	\$22.20	\$5,644,012	6,492,802	7,394,357	\$ 0.6920	\$ 0.6920	\$9,609,914	2,886,762	514,633	\$ 0.6099	\$ 0.6099	\$2,074,510
9	R-10 Residential Heating, Low Income	7,409	\$8.88	\$65,795	198,454	174,712	\$ 0.6920	\$ 0.6920	\$258,231	79,240	12,894	\$ 0.6099	\$ 0.6099	\$56,192
10	R-6 Residential, Non-Heating	13,188	\$22.20	\$292,765	53,533	93,914	\$ 0.6470	\$ 0.6470	\$95,398	50,875	33,296	\$ 0.6470	\$ 0.6470	\$54,459
11	Total Residential Service	274,832		\$6,002,571	6,744,789	7,662,983			\$9,963,543	3,016,876	560,823			\$2,185,161
13	G-40 Low Annual, High Winter Use	51,266	\$75.09	\$3,849,564	1,933,509	6,097,977	\$ 0.1865	\$ 0.1865	\$1,497,872	734,511	678,865	\$ 0.1865	\$ 0.1865	\$263,595
14	G-50 Low Annual, Low Winter Use	8,504	\$75.09	\$638,565	220,985	617,049	\$ 0.1865	\$ 0.1865	\$156,293	207,033	428,694	\$ 0.1865	\$ 0.1865	\$118,563
15	G-41 Medium Annual, High Winter Use	7,908	\$222.64	\$1,760,637	11,199,703	0	\$ 0.2425		\$2,715,928	2,549,242	0	\$ 0.1895		\$483,081
16	G-51 Medium Annual, Low Winter Use	3,023	\$222.64	\$673,041	1,711,732	1,080,841	\$ 0.1712	\$ 0.1399	\$444,258	1,196,613	480,315	\$ 0.1337	\$ 0.1087	\$212,197
17	G-42 High Annual, High Winter Use	391	\$1,335.81	\$522,302	4,239,962		\$ 0.1984		\$841,208	1,583,558	0	\$ 0.1206		\$190,977
18	G-52 High Annual, Low Winter Use	386	\$1,335.81	\$515,623	8,365,254		\$ 0.1720		\$1,438,824	7,818,964	0	\$ 0.0792		\$619,262
19	Total General Service	71,478		\$7,959,732	27,671,145	7,795,867			\$7,094,384	14,089,922	1,587,875			\$1,887,676
21	Total Company	346,310		\$13,962,303	34,415,934	15,458,850			\$17,057,927	17,106,798	2,148,697			\$4,072,837

Notes:
 24 Column (1), Column (4) and Column (7): 2018 actual billing determinants.
 25 Column (2), Column (5) and Column (8): Winter and Summer distribution rates effective May 1, 2019.
 26 R-11 Rate Class is closed May 1, 2017. R-11 Rate Class Customers migrated to R-6 Rate Class.

Based on Actual Billing Determinants for 2020 at Current Distribution Rates- Winter

	(1)	(2)	(3)=(1)X(2)
	Total Volumetric Revenue	Total Winter therms	Average Distribution Rate \$/therm
R-5	\$9,609,914	13,887,159	\$0.6920
R-10	\$258,231	373,166	\$0.6920
R-6	\$95,398	147,447	\$0.6470
Total Residential Service	\$9,963,543	14,407,772	\$0.6915
G-40	\$1,497,872	8,031,486	\$0.1865
G-50	\$156,293	838,034	\$0.1865
G-41	\$2,715,928	11,199,703	\$0.2425
G-51	\$444,258	2,792,573	\$0.1591
G-42	\$841,208	4,239,962	\$0.1984
G-52	\$1,438,824	8,365,254	\$0.1720
Total General Service	\$7,094,384	35,467,012	\$0.2000

Based on Actual Billing Determinants for 2020 at Current Distribution Rates- Summer

	(1)	(2)	(3)=(1)X(2)
	Total Volumetric Revenue	Total Summer therms	Average Distribution Rate \$/therm
R-5	\$2,074,510	3,401,394	\$0.6099
R-10	\$56,192	92,134	\$0.6099
R-6	\$54,459	84,171	\$0.6470
Total Residential Service	\$2,185,161	3,577,699	\$0.6108
G-40	\$263,595	1,413,376	\$0.1865
G-50	\$118,563	635,728	\$0.1865
G-41	\$483,081	2,549,242	\$0.1895
G-51	\$212,197	1,676,928	\$0.1265
G-42	\$190,977	1,583,558	\$0.1206
G-52	\$619,262	7,818,964	\$0.0792
Total General Service	\$1,887,676	15,677,796	\$0.1204
Total	\$ 21,130,764	69,130,279	

Calculation of Average Distribution Rate for Lost Revenue Winter and Summer (Summary)

	(10)=(3)	(11) = (6) + (9)	12=(10)+(11)	(13)=(4)+(7)
	Total Calculated Customer Revenue	Total Volumetric Revenue	Total Distribution Revenue	Total Annual Therms
R-5	\$5,644,012	\$11,684,424	\$17,328,436	17,288,553
R-10	\$65,795	\$314,423	\$380,218	465,300
R-6	\$292,765	\$149,857	\$442,621	231,618
Total Residential Service	\$6,002,571	\$12,148,704	\$18,151,275	17,985,471
G-40	\$3,849,564	\$1,761,467	\$5,611,031	9,444,862
G-50	\$638,565	\$274,857	\$913,422	1,473,762
G-41	\$1,760,637	\$3,199,009	\$4,959,646	13,748,945
G-51	\$673,041	\$656,456	\$1,329,496	4,469,501
G-42	\$522,302	\$1,032,186	\$1,554,487	5,823,520
G-52	\$515,623	\$2,058,086	\$2,573,708	16,184,218
Total General Service	\$7,959,732	\$8,982,059	\$16,941,791	51,144,808
Total Company	\$13,962,303	\$21,130,764	\$35,093,066	69,130,279

**NORTHERN UTILITIES, INC.- NEW HAMPSHIRE DIVISION
REMEDATION ADJUSTMENT CLAUSE COMPLIANCE FILING
2020-2021 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
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								
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	July 14 - June 15 Expenses Amortization (1/7)	\$ 112,198					\$ 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					
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	\$ 11,024	
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	Subtotal (Line 1 through Line 11)	\$ 3,524,674	\$ 17,316	\$ 40,033	\$ 65,091	\$ 70,931	\$ 86,959	\$ 398,371	\$ 406,108	\$ 429,241	\$ 435,575	\$ 421,540	\$ 432,594	\$ 416,566	\$ 105,153	\$ 97,417	\$ 56,968	\$ 27,917	\$ 16,894
13	Add: Excess amortization from prior years (from schedule 5, Line 9)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	Less: Excess amortization to be deferred (from schedule 5, Line 8)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Total Environmental Response cost to be recovered (ERC)	\$ 3,524,674	\$ 17,316	\$ 40,033	\$ 65,091	\$ 70,931	\$ 86,959	\$ 398,371	\$ 406,108	\$ 429,241	\$ 435,575	\$ 421,540	\$ 432,594	\$ 416,566	\$ 105,153	\$ 97,417	\$ 56,968	\$ 27,917	\$ 16,894
16	July 2010 - June 2011 Unamortized beginning balance	\$ 121,209	\$ 103,893	\$ 86,578	\$ 69,262	\$ 51,947	\$ 34,631	\$ 17,316											
17	July 2011 - June 2012 Unamortized beginning balance	\$ 159,020	\$ 136,303	\$ 113,586	\$ 90,869	\$ 68,151	\$ 45,434	\$ 22,717											
18	July 2012 - June 2013 Unamortized beginning balance	\$ 175,406	\$ 150,348	\$ 125,290	\$ 100,232	\$ 75,174	\$ 50,116	\$ 25,058											
19	July 2013 - June 2014 Unamortized beginning balance	\$ 40,881	\$ 35,041	\$ 29,201	\$ 23,361	\$ 17,521	\$ 11,680	\$ 5,840											
20	July 2014 - June 2015 Unamortized beginning balance	\$ 112,198	\$ 96,170	\$ 80,141	\$ 64,113	\$ 48,085	\$ 32,057	\$ 16,028											
21	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											
22	July 2016 - June 2017 Unamortized beginning balance	\$ 54,154	\$ 46,418	\$ 38,681	\$ 30,945	\$ 23,209	\$ 15,473	\$ 7,736											
23	July 2017 - June 2018 Unamortized beginning balance	\$ 283,143	\$ 242,694	\$ 202,245	\$ 161,796	\$ 121,347	\$ 80,898	\$ 40,449											
24	July 2018 - June 2019 Unamortized beginning balance	\$ 203,357	\$ 174,306	\$ 145,255	\$ 116,204	\$ 87,153	\$ 58,102	\$ 29,051											
25	July 2019 - June 2020 Unamortized beginning balance	\$ 77,165	\$ 66,141	\$ 55,118	\$ 44,094	\$ 33,071	\$ 22,047	\$ 11,024											
26	July 2020 - June 2021 Unamortized beginning balance	\$ 118,256	\$ 101,362	\$ 84,468	\$ 67,575	\$ 50,681	\$ 33,787	\$ 16,894											
27	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	\$ 720,915	\$ 304,350	\$ 199,196	\$ 101,779	\$ 44,811	\$ 16,894	
28	INSURANCE/3RD PARTY EXPENSES (IE) Expenses (from schedule 2)																		
29	INSURANCE/3RD PARTY RECOVERIES (IR)																		
30	UNDER/OVER Recovery from previous year																		
31	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	\$ 720,915	\$ 304,350	\$ 199,196	\$ 101,779	\$ 44,811	\$ 16,894	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical Residential Heating Bill - 715 therms/year
Comparison of Winter 2021-2022 vs. Winter 2020-2021

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
1																
2	Typical Usage: therms (*)	55	93	124	135	101	74	581	51	21	14	12	15	21	133	715
3	Winter 2021 - 2022															
4	Customer Charge units @ \$ 22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20								
5	First 50 units @ \$0.6920	\$34.60	\$34.60	\$34.60	\$34.60	\$34.60	\$34.60	\$207.60								
6	Over 50 units @ \$0.6920	\$3.71	\$29.50	\$51.20	\$58.55	\$35.30	\$16.47	\$194.74								
7	COG 1 \$0.9392	\$52.00						\$52.00								
8	COG 2 \$0.9392		\$86.99					\$86.99								
9	COG 3 \$0.9392			\$116.45				\$116.45								
10	COG 4 \$0.9392				\$126.43			\$126.43								
11	COG 5 \$0.9392					\$94.87		\$94.87								
12	COG 6 \$0.9392						\$69.31	\$69.31								
13	LDAC \$0.0631	\$3.49	\$5.84	\$7.82	\$8.49	\$6.37	\$4.66	\$36.69								
14	Summer 2022															
15	Customer Charge units @ \$ 22.20								\$ 22.20	\$22.20	\$22.20	\$22.20	\$ 22.20	\$22.20	\$133.20	
16	First 50 units @ \$0.6099								\$30.50	\$12.91	\$8.53	\$7.09	\$9.07	\$12.73	\$80.82	
17	Over 50 units @ \$0.6099								\$0.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.36	
20	COG 1 \$0.5176								\$26.18						\$26.18	
21	COG 2 \$0.5176									\$10.95					\$10.95	
22	COG 3 \$0.5176										\$7.24				\$7.24	
23	COG 4 \$0.5176											\$6.02			\$6.02	
24	COG 5 \$0.5176												\$7.70		\$7.70	
25	COG 6 \$0.5176													\$10.80	\$10.80	
26	Summer Period Weighted Avg. COG \$0.5176															
27	LDAC \$ 0.0631								\$3.19	\$1.34	\$0.88	\$0.73	\$0.94	\$1.32	\$8.40	
28	TOTAL	\$116.01	\$179.13	\$232.28	\$250.28	\$193.35	\$147.24	\$1,118.29	\$82.43	\$47.40	\$38.86	\$36.04	\$39.91	\$47.05	\$291.67	\$1,409.96
Base Rate Change Winter		\$ Change	\$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%								
COG Change Winter		\$ Change	\$11.50	\$19.24	\$25.75	\$27.96	\$20.98	\$15.33								
		% Change	10.74%	11.71%	12.13%	12.23%	11.85%	11.32%								
LDAC Change Winter		\$ Change	-\$2.59	-\$4.33	-\$5.80	-\$6.30	-\$4.73	-\$3.45								
		% Change	-2.42%	-2.64%	-2.73%	-2.76%	-2.67%	-2.55%								
27																
28	Typical Usage: therms	55	93	124	135	101	74	581	51	21	14	12	15	21	133	715
29	Winter 2020 - 2021															
30	Customer Charge units @ \$ 22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20								
31	First 50 units @ \$0.6920	\$34.60	\$34.60	\$34.60	\$34.60	\$34.60	\$34.60	\$207.60								
32	Over 50 units @ \$0.6920	\$3.71	\$29.50	\$51.20	\$58.55	\$35.30	\$16.47	\$194.74								
33	COG 1 \$0.7315	\$40.50						\$40.50								
34	COG 2 \$0.7315		\$67.75					\$67.75								
35	COG 3 \$0.7315			\$90.70				\$90.70								
36	COG 4 \$0.7315				\$98.47			\$98.47								
37	COG 5 \$0.7315					\$73.89		\$73.89								
38	COG 6 \$0.7315						\$53.99	\$53.99								
39	Winter Period Weighted Avg. COG \$0.7315															
40	LDAC \$ 0.1099	\$6.08	\$10.18	\$13.63	\$14.79	\$11.10	\$8.11	\$63.90								
41	Summer 2021															
42	Customer Charge units @ \$ 22.20								\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20	
43	First 50 units @ \$0.6099								\$30.50	\$12.91	\$8.53	\$7.09	\$9.07	\$12.73	\$80.82	
44	Over 50 units @ \$0.6099								\$0.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.36	
45	COG 1 \$0.4970								\$25.14						\$25.14	
46	COG 2 \$0.4970									\$10.52					\$10.52	
47	COG 3 \$0.4970										\$6.95				\$6.95	
48	COG 4 \$0.4970											\$5.78			\$5.78	
49	COG 5 \$0.4970												\$7.39		\$7.39	
50	COG 6 \$0.4970													\$10.37	\$10.37	
51	Summer Period Weighted Avg. COG \$0.4970															
52	LDAC \$ 0.1099								\$5.56	\$2.33	\$1.54	\$1.28	\$1.63	\$2.29	\$14.63	
53	TOTAL	\$107.10	\$164.23	\$212.33	\$228.62	\$177.10	\$135.37	\$1,024.74	\$83.75	\$47.95	\$39.22	\$36.34	\$40.30	\$47.59	\$295.16	\$1,319.90
54	Change	\$8.91	\$14.90	\$19.95	\$21.66	\$16.25	\$11.87	\$93.55	(\$1.33)	(\$0.55)	(\$0.37)	(\$0.30)	(\$0.39)	(\$0.55)	(\$3.49)	\$90.06
55	% Chg	8.32%	9.07%	9.40%	9.47%	9.18%	8.77%	9.1%	-1.58%	-1.16%	-0.93%	-0.84%	-0.97%	-1.15%	-1.18%	6.82%

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

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-40 Commercial & Industrial Bill - 2,022 therms/year
Comparison of Winter 2021-2022 vs. Winter 2020-2021

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	
1 Typical Usage: therms (*)	159	279	369	417	306	209	1,738	122	42	24	20	31	44	283	2,022	
Winter 2021 - 2022																
4 Customer Charge units @	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09
5 First 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
6 Over 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
7 COG 1	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551
8 COG 2	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551
9 COG 3	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551
10 COG 4	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551
11 COG 5	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551
12 COG 6	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551	\$0.9551
13 LDAC	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360	\$0.0360
Summer 2022																
15 Customer Charge units @	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09
16 First 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
17 Over 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
18 COG 1	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
19 COG 2	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
20 COG 3	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
21 COG 4	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
22 COG 5	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
23 COG 6	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
24 Summer Period Weighted Avg. COG	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554	\$0.4554
25 LDAC	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360	\$ 0.0360
26 TOTAL	\$261.93	\$403.32	\$509.49	\$565.74	\$435.59	\$321.55	\$2,497.63	\$157.55	\$103.80	\$91.13	\$88.71	\$96.37	\$105.16	\$642.72	\$3,140.35	
Base Rate Change Winter	\$ Change	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
% Change	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
COG Change Winter	\$ Change	\$33.54	\$58.92	\$77.98	\$88.08	\$64.72	\$44.24	\$367.49	\$17%	\$17%	\$17%	\$17%	\$17%	\$17%	\$17%	\$17%
% Change	15%	17%	18%	18%	17%	16%	17%	17%	17%	17%	17%	17%	17%	17%	17%	17%
LDAC Change Winter	\$ Change	-\$1.78	-\$3.12	-\$4.13	-\$4.67	-\$3.43	-\$2.34	-\$19.47	-\$0.8%	-\$0.9%	-\$0.9%	-\$1.0%	-\$0.9%	-\$0.8%	-\$0.9%	-\$0.9%
% Change	-0.8%	-0.9%	-0.9%	-1.0%	-0.9%	-0.8%	-0.9%	-0.9%	-0.8%	-0.9%	-0.9%	-0.9%	-0.8%	-0.9%	-0.9%	-0.9%
Winter 2020 - 2021																
27 Typical Usage: therms	159	279	369	417	306	209	1,738	122	42	24	20	31	44	283	2,022	
Winter 2020 - 2021																
30 Customer Charge units @	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09
31 First 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
32 Over 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
33 COG 1	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
34 COG 2	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
35 COG 3	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
36 COG 4	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
37 COG 5	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
38 COG 6	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
39 Winter Period Weighted Avg. COG	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437	\$0.7437
40 LDAC	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472
Summer 2021																
42 Customer Charge units @	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09	\$ 75.09
43 First 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
44 Over 75 units @	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$0.1865
45 COG 1	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
46 COG 2	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
47 COG 3	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
48 COG 4	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
49 COG 5	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
50 COG 6	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
51 Summer Period Weighted Avg. COG	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291	\$0.5291
52 LDAC	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472	\$ 0.0472
53 TOTAL	\$230.17	\$347.52	\$435.64	\$482.33	\$374.31	\$279.65	\$2,149.61	\$167.88	\$107.39	\$93.14	\$90.42	\$99.03	\$108.93	\$666.79	\$2,816.40	
54 Change	\$31.76	\$55.80	\$73.85	\$83.41	\$61.29	\$41.90	\$348.02	(\$10.33)	(\$3.60)	(\$2.01)	(\$1.71)	(\$2.66)	(\$3.77)	(\$24.07)	\$323.95	
55 % Chg	13.80%	16.06%	16.95%	17.29%	16.37%	14.98%	16.19%	-6.15%	-3.35%	-2.16%	-1.89%	-2.69%	-3.46%	-3.61%	11.50%	

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

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-41 Commercial & Industrial Bill - 20,679 therms/year
Comparison of Winter 2021-2022 vs. Winter 2020-2021

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
1																
2	Typical Usage: therms (*)	1,723	2,769	3,576	3,921	3,003	2,178	17,170	1,273	552	360	210	438	676	3,509	20,679
3	Winter 2021 - 2022															
4	Customer Charge units @ \$ 222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84								
5	All units @ \$0.2425	\$417.80	\$671.60	\$867.07	\$950.83	\$728.20	\$528.26	\$4,163.76								
6	COG 1 \$0.9551	\$1,645.53						\$1,645.53								
7	COG 2 \$0.9551		\$2,645.12					\$2,645.12								
8	COG 3 \$0.9551			\$3,415.01				\$3,415.01								
9	COG 4 \$0.9551				\$3,744.89			\$3,744.89								
10	COG 5 \$0.9551					\$2,868.07		\$2,868.07								
11	COG 6 \$0.9551						\$2,080.58	\$2,080.58								
12	LDAC \$0.0360	\$62.02	\$99.70	\$128.72	\$141.15	\$108.10	\$78.42	\$618.13								
13	Summer 2022															
14	Customer Charge units @ \$ 222.64								\$ 222.64	\$222.64	\$222.64	\$222.64	\$ 222.64	\$222.64	\$1,335.84	
15	All units @ \$0.1895								\$241.20	\$104.63	\$68.21	\$39.75	\$83.08	\$128.04	\$664.90	
16	COG 1 \$0.4554								\$579.63						\$579.63	
17	COG 2 \$0.4554									\$251.43					\$251.43	
18	COG 3 \$0.4554										\$163.93				\$163.93	
19	COG 4 \$0.4554											\$95.52			\$95.52	
20	COG 5 \$0.4554												\$199.65		\$199.65	
21	COG 6 \$0.4554													\$307.70	\$307.70	
22	Summer Period Weighted Avg. COG \$0.4554															
23	LDAC \$ 0.0360								\$45.82	\$19.88	\$12.96	\$7.55	\$15.78	\$24.32	\$126.31	
24	TOTAL	\$2,347.99	\$3,639.06	\$4,633.44	\$5,059.51	\$3,927.02	\$2,909.91	\$22,516.94	\$1,089.29	\$598.57	\$467.74	\$365.46	\$521.15	\$682.71	\$3,724.92	\$26,241.86
Base Rate Change Winter		\$ Change	\$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%								
COG Change Winter		\$ Change	\$364.22	\$1,025.81	\$1,324.38	\$1,452.32	\$1,112.28	\$806.88								
		% Change	18.18%	38.79%	39.54%	39.78%	39.05%	37.93%								
LDAC Change Winter		\$ Change	-\$19.30	-\$31.02	-\$40.05	-\$43.91	-\$33.63	-\$24.40								
		% Change	-0.963%	-1.173%	-1.196%	-1.203%	-1.181%	-1.147%								
25																
26	Typical Usage: therms	1,723	2,769	3,576	3,921	3,003	2,178	17,170	1,273	552	360	210	438	676	3,509	20,679
27	Winter 2020 - 2021															
28	Customer Charge units @ \$ 222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84								
29	All units @ \$0.2425	\$417.80	\$671.60	\$867.07	\$950.83	\$728.20	\$528.26	\$4,163.76								
30	COG 1 \$0.7437	\$1,281.31						\$1,281.31								
31	COG 2 \$0.5847		\$1,619.31					\$1,619.31								
32	COG 3 \$0.5847			\$2,090.63				\$2,090.63								
33	COG 4 \$0.5847				\$2,292.57			\$2,292.57								
34	COG 5 \$0.5847					\$1,755.80		\$1,755.80								
35	COG 6 \$0.5847						\$1,273.71	\$1,273.71								
36	Winter Period Weighted Avg. COG \$0.6007															
37	LDAC \$ 0.0472	\$81.32	\$130.72	\$168.77	\$185.07	\$141.74	\$102.82	\$810.43								
38	Summer 2021															
39	Customer Charge units @ \$ 222.64								\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84	
40	All units @ \$0.1895								\$241.20	\$104.63	\$68.21	\$39.75	\$83.08	\$128.04	\$664.90	
41	COG 1 \$0.5291								\$673.44						\$673.44	
42	COG 2 \$0.5291									\$292.12					\$292.12	
43	COG 3 \$0.5291										\$190.46				\$190.46	
44	COG 4 \$0.5291											\$110.98			\$110.98	
45	COG 5 \$0.5291												\$231.96		\$231.96	
46	COG 6 \$0.5291													\$357.50	\$357.50	
47	Summer Period Weighted Avg. COG \$0.5291															
48	LDAC \$ 0.0472								\$60.08	\$26.06	\$16.99	\$9.90	\$20.69	\$31.89	\$165.61	
49	TOTAL	\$2,003.07	\$2,644.27	\$3,349.10	\$3,651.11	\$2,848.38	\$2,127.43	\$16,623.36	\$1,197.35	\$645.45	\$498.30	\$383.27	\$558.37	\$740.07	\$4,022.81	\$20,646.17
50	Change	\$344.92	\$994.79	\$1,284.34	\$1,408.40	\$1,078.64	\$782.48	\$5,893.58	(\$108.06)	(\$46.87)	(\$30.56)	(\$17.81)	(\$37.22)	(\$57.37)	(\$297.89)	\$5,595.69
51	% Chg	17.22%	37.62%	38.35%	38.57%	37.87%	36.78%	35.45%	-9.02%	-7.26%	-6.13%	-4.65%	-6.67%	-7.75%	-7.41%	27.10%

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

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-51 Commercial & Industrial Bill - 16,982 therms/year
Comparison of Winter 2021-2022 vs. Winter 2020-2021

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
1	Typical Usage: therms (*)	1,394	1,767	1,968	2,106	2,041	1,647	10,922	990	951	992	928	1,122	1,078	6,060	16,982
3	Winter 2021 - 2022															
4	Customer Charge units @ \$ 222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84								
5	First 1,300 units @ \$0.1712	\$222.56	\$222.56	\$222.56	\$222.56	\$222.56	\$222.56	\$1,335.36								
6	Over 1,300 units @ \$0.1399	\$13.13	\$65.30	\$93.45	\$112.73	\$103.67	\$48.49	\$436.77								
7	COG 1 \$0.8453	\$1,178.25						\$1,178.25								
8	COG 2 \$0.8453		\$1,493.46					\$1,493.46								
9	COG 3 \$0.8453			\$1,663.52				\$1,663.52								
10	COG 4 \$0.8453				\$1,780.00			\$1,780.00								
11	COG 5 \$0.8453					\$1,725.28		\$1,725.28								
12	COG 6 \$0.8453						\$1,391.87	\$1,391.87								
13	LDAC \$0.0360	\$50.18	\$63.60	\$70.85	\$75.81	\$73.48	\$59.28	\$393.19								
14	Summer 2022															
15	Customer Charge units @ \$ 222.64								\$ 222.64	\$222.64	\$222.64	\$222.64	\$ 222.64	\$222.64	\$1,335.84	
16	First 1,000 units @ \$0.1337								\$132.38	\$127.11	\$132.56	\$124.04	\$133.70	\$133.70	\$783.49	
17	Over 1,000 units @ \$0.1087								\$0.00	\$0.00	\$0.00	\$0.00	\$13.27	\$8.51	\$21.77	
18	COG 1 \$0.4741								\$469.41						\$469.41	
19	COG 2 \$0.4741									\$450.72					\$450.72	
20	COG 3 \$0.4741										\$470.07				\$470.07	
21	COG 4 \$0.4741											\$439.85			\$439.85	
22	COG 5 \$0.4741												\$531.97		\$531.97	
23	COG 6 \$0.4741													\$511.20	\$511.20	
24	Summer Period Weighted Avg. COG \$0.4741															
25	LDAC \$ 0.0360								\$35.64	\$34.22	\$35.69	\$33.40	\$40.39	\$38.82	\$218.17	
26	TOTAL	\$1,686.76	\$2,067.56	\$2,273.01	\$2,413.74	\$2,347.63	\$1,944.83	\$12,733.54	\$860.07	\$834.69	\$860.97	\$819.93	\$941.97	\$914.86	\$5,232.49	\$17,966.03
	Base Rate Change Winter \$ Change	\$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%								
	COG Change Winter \$ Change	\$277.10	\$351.24	\$391.23	\$418.63	\$405.76	\$327.34	\$2,171.30								
	% Change	19.44%	20.23%	20.55%	20.74%	20.65%	20.01%	20.32%								
	LDAC Change Winter \$ Change	-\$15.61	-\$19.79	-\$22.04	-\$23.58	-\$22.86	-\$18.44	-\$122.33								
	% Change	-1.10%	-1.14%	-1.16%	-1.17%	-1.17%	-1.13%	-1.14%								
27	Typical Usage: therms	1,394	1,767	1,968	2,106	2,041	1,647	10,922	990	951	992	928	1,122	1,078	6,060	16,982
29	Winter 2020 - 2021															
30	Customer Charge units @ \$ 222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84								
31	First 1,300 units @ \$0.1712	\$222.56	\$222.56	\$222.56	\$222.56	\$222.56	\$222.56	\$1,335.36								
32	Over 1,300 units @ \$0.1399	\$13.13	\$65.30	\$93.45	\$112.73	\$103.67	\$48.49	\$436.77								
33	COG 1 \$0.6465	\$901.14						\$901.14								
34	COG 2 \$0.6465		\$1,142.22					\$1,142.22								
35	COG 3 \$0.6465			\$1,272.29				\$1,272.29								
36	COG 4 \$0.6465				\$1,361.38			\$1,361.38								
37	COG 5 \$0.6465					\$1,319.53		\$1,319.53								
38	COG 6 \$0.6465						\$1,064.52	\$1,064.52								
39	Winter Period Weighted Avg. COG \$0.6465															
40	LDAC \$ 0.0472	\$65.79	\$83.39	\$92.89	\$99.39	\$96.34	\$77.72	\$515.52								
41	Summer 2021															
42	Customer Charge units @ \$ 222.64								\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84	
43	First 1,000 units @ \$0.1337								\$132.38	\$127.11	\$132.56	\$124.04	\$133.70	\$133.70	\$783.49	
44	Over 1,000 units @ \$0.1087								\$0.00	\$0.00	\$0.00	\$0.00	\$13.27	\$8.51	\$21.77	
45	COG 1 \$0.4501								\$445.64						\$445.64	
46	COG 2 \$0.4501									\$427.90					\$427.90	
47	COG 3 \$0.4501										\$446.27				\$446.27	
48	COG 4 \$0.4501											\$417.59			\$417.59	
49	COG 5 \$0.4501												\$505.04		\$505.04	
50	COG 6 \$0.4501													\$485.32	\$485.32	
51	Summer Period Weighted Avg. COG \$0.4501															
52	LDAC \$ 0.0472								\$46.73	\$44.87	\$46.80	\$43.79	\$52.96	\$50.89	\$286.05	
53	TOTAL	\$1,425.27	\$1,736.11	\$1,903.82	\$2,018.70	\$1,964.73	\$1,635.93	\$10,684.57	\$847.39	\$822.52	\$848.28	\$808.06	\$927.61	\$901.06	\$5,154.92	\$15,839.49
54	Change	\$261.49	\$331.45	\$369.19	\$395.04	\$382.90	\$308.90	\$2,048.97	\$12.67	\$12.17	\$12.69	\$11.88	\$14.36	\$13.80	\$77.57	\$2,126.54
55	% Chg	18.35%	19.09%	19.39%	19.57%	19.49%	18.88%	19.18%	1.50%	1.48%	1.50%	1.47%	1.55%	1.53%	1.50%	13.43%

*-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 2021-2022 vs. Actual Winter 2020-2021

Northern Utilities, Inc.
 New Hampshire Division
 Attachment NUI-SED-3
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Residential Heating		
	<u>Winter 2020- 2021</u>	<u>Winter 2021- 2022</u>
Customer Charge	\$22.20	\$22.20
First 50 Therms	\$0.6920	\$0.6920
Over 50 therms	\$0.6920	\$0.6920
LDAC	\$0.1099	\$0.0631
CGA	\$0.7315	\$0.9392

	Usage (Therms)	Winter 2020-2021 Bill Amount	Winter 2021-2022 Bill Amount	Total Bill		Base Rate		CGA		LDAC	
	5	\$29.87	\$30.67	\$0.80	2.7%	\$0.00	0.0%	\$1.04	3.5%	(\$0.23)	-0.8%
	10	\$37.53	\$39.14	\$1.61	4.3%	\$0.00	0.0%	\$2.08	5.5%	(\$0.47)	-1.3%
	20	\$52.87	\$56.09	\$3.22	6.1%	\$0.00	0.0%	\$4.15	7.8%	(\$0.94)	-1.8%
	25	\$60.54	\$64.56	\$4.02	6.6%	\$0.00	0.0%	\$5.19	8.6%	(\$1.17)	-1.9%
	30	\$68.20	\$73.03	\$4.83	7.1%	\$0.00	0.0%	\$6.23	9.1%	(\$1.40)	-2.1%
	45	\$91.20	\$98.44	\$7.24	7.9%	\$0.00	0.0%	\$9.35	10.3%	(\$2.11)	-2.3%
	50	\$98.87	\$106.92	\$8.04	8.1%	\$0.00	0.0%	\$10.39	10.5%	(\$2.34)	-2.4%
	75	\$137.21	\$149.27	\$12.07	8.8%	\$0.00	0.0%	\$15.58	11.4%	(\$3.51)	-2.6%
	Monthly* 125	\$213.88	\$233.99	\$20.11	9.4%	\$0.00	0.0%	\$25.96	12.1%	(\$5.85)	-2.7%
	150	\$252.21	\$276.35	\$24.14	9.6%	\$0.00	0.0%	\$31.16	12.4%	(\$7.02)	-2.8%
	200	\$328.88	\$361.06	\$32.18	9.8%	\$0.00	0.0%	\$41.54	12.6%	(\$9.36)	-2.8%

* 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 - 133 therms/Summer Comparison of Summer 2022 vs. Summer 2021

		May	June	July	August	Sept	October	Summer
1								
2	Typical Usage: therms(*)	51	21	14	12	15	21	133
3	Summer 2022							
4	Customer Charge units @	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20
5	First 50 units @	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$80.82
6	Over 50 units @	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.36
7	COG 1	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$26.18
8	COG 2	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$10.95
9	COG 3	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$7.24
10	COG 4	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$6.02
11	COG 5	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$7.70
12	COG 6	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$0.5176	\$10.80
13	Summer Period 2022 Avg. COG	\$0.5176*	\$0.5176*	\$0.5176*	\$0.5176*	\$0.5176*	\$0.5176*	\$0.5176*
14	LDAC	\$0.0631	\$0.0631	\$0.0631	\$0.0631	\$0.0631	\$0.0631	\$8.40
15	TOTAL	\$82.43	\$47.40	\$38.86	\$36.04	\$39.91	\$47.05	\$291.67
	Base Rate Change	\$ Change	\$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%
	COG Change	\$ Change	\$1.04	\$0.44	\$0.29	\$0.24	\$0.31	\$0.43
		% Change	1.24%	0.91%	0.73%	0.66%	0.76%	0.90%
	LDAC Change	\$ Change	-\$2.37	-\$0.99	-\$0.65	-\$0.54	-\$0.70	-\$0.98
		% Change	-2.83%	-2.07%	-1.67%	-1.50%	-1.73%	-2.05%
								-\$6.23
								-2.11%
16								
17	Typical Usage: therms	51	21	14	12	15	21	133
18	Summer 2021							
19	Customer Charge units @	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20
20	First 50 units @	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$80.82
21	Over 50 units @	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.6099	\$0.36
22	COG 1	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$25.14
23	COG 2	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$10.52
24	COG 3	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$6.95
25	COG 4	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$5.78
26	COG 5	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$7.39
27	COG 6	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$10.37
28	Summer Period 2021 Avg. COG	\$0.4970*	\$0.4970*	\$0.4970*	\$0.4970*	\$0.4970*	\$0.4970*	\$0.4970*
29	LDAC	\$0.1099	\$0.1099	\$0.1099	\$0.1099	\$0.1099	\$0.1099	\$14.63
30	TOTAL	\$83.75	\$47.95	\$39.22	\$36.34	\$40.30	\$47.59	\$295.16
31	Change	-\$1.33	-\$0.55	-\$0.37	-\$0.30	-\$0.39	-\$0.55	-\$3.49
32	% Chg	-1.58%	-1.16%	-0.93%	-0.84%	-0.97%	-1.15%	-1.18%

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

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-40 Commercial & Industrial Bill - 283 therms/Summer

Comparison of Summer 2022 vs. Summer 2021

			May	June	July	August	Sept	October	Summer
1									
2	Typical Usage: therms(*)		122	42	24	20	31	44	<u>283</u>
3	Summer 2022								
4	Customer Charge	units @ \$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$450.54
5	First	75 units @ \$0.1865	\$13.99	\$7.90	\$4.41	\$3.75	\$5.85	\$8.27	\$44.17
6	Over	75 units @ \$0.1865	\$8.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.70
7		COG 1 \$0.4554	\$55.40						\$55.40
8		COG 2 \$0.4554		\$19.28					\$19.28
9		COG 3 \$0.4554			\$10.77				\$10.77
10		COG 4 \$0.4554				\$9.15			\$9.15
11		COG 5 \$0.4554					\$14.29		\$14.29
12		COG 6 \$0.4554						\$20.20	\$20.20
13	Summer Period 2022 Avg. COG \$0.4554*								
14	LDAC \$0.0360		\$4.38	\$1.52	\$0.85	\$0.72	\$1.13	\$1.60	\$10.21
15	TOTAL		\$157.55	\$103.80	\$91.13	\$88.71	\$96.37	\$105.16	\$642.72
	Base Rate Change	\$ Change	\$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%
	COG Change	\$ Change	-\$8.97	-\$3.12	-\$1.74	-\$1.48	-\$2.31	-\$3.27	-\$20.89
		% Change	-5.34%	-2.91%	-1.87%	-1.64%	-2.34%	-3.00%	-3.13%
	LDAC Change	\$ Change	-\$1.36	-\$0.47	-\$0.26	-\$0.23	-\$0.35	-\$0.50	-\$3.18
		% Change	-0.81%	-0.44%	-0.28%	-0.25%	-0.35%	-0.46%	-0.48%
16									
17	Typical Usage: therms		122	42	24	20	31	44	<u>283</u>
18	Summer 2021								
19	Customer Charge	units @ \$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$75.09	\$450.54
20	First	75 units @ \$0.1865	\$13.99	\$7.90	\$4.41	\$3.75	\$5.85	\$8.27	\$44.17
21	Over	75 units @ \$0.1865	\$8.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.70
22		COG 1 \$0.5291	\$64.36						\$64.36
23		COG 2 \$0.5291		\$22.41					\$22.41
24		COG 3 \$0.5291			\$12.52				\$12.52
25		COG 4 \$0.5291				\$10.63			\$10.63
26		COG 5 \$0.5291					\$16.61		\$16.61
27		COG 6 \$0.5291						\$23.47	\$23.47
28	Summer Period 2021 Avg. COG \$0.5291*								
29	LDAC \$0.0472		\$5.74	\$2.00	\$1.12	\$0.95	\$1.48	\$2.09	\$13.38
30	TOTAL		\$167.88	\$107.39	\$93.14	\$90.42	\$99.03	\$108.93	\$666.79
31	Change		-\$10.33	-\$3.60	-\$2.01	-\$1.71	-\$2.66	-\$3.77	-\$24.07
32	% Chg		-6.15%	-3.35%	-2.16%	-1.89%	-2.69%	-3.46%	-3.61%

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

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
Typical G-41 Commercial & Industrial Bill - 3,509 therms/Summer
Comparison of Summer 2022 vs. Summer 2021

			May	June	July	August	Sept	October	Summer
1	Typical Usage: therms(1)		1,273	552	360	210	438	676	<u>3,509</u>
3	Summer 2022								
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	\$241.20	\$104.63	\$68.21	\$39.75	\$83.08	\$128.04	\$664.90
6		COG 1 \$0.4554	\$579.63						\$579.63
7		COG 2 \$0.4554		\$251.43					\$251.43
8		COG 3 \$0.4554			\$163.93				\$163.93
9		COG 4 \$0.4554				\$95.52			\$95.52
10		COG 5 \$0.4554					\$199.65		\$199.65
11		COG 6 \$0.4554						\$307.70	\$307.70
12	Summer Period 2022 Avg. COG \$0.4554*								
13		LDAC \$0.0360	\$45.82	\$19.88	\$12.96	\$7.55	\$15.78	\$24.32	\$126.31
14	TOTAL		\$1,089.29	\$598.57	\$467.74	\$365.46	\$521.15	\$682.71	<u>\$3,724.92</u>
Base Rate Change			\$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%
COG Change			-\$93.81	-\$40.69	-\$26.53	-\$15.46	-\$32.31	-\$49.80	-\$258.59
% Change			-7.83%	-6.30%	-5.32%	-4.03%	-5.79%	-6.73%	-6.43%
LDAC Change			-\$14.26	-\$6.18	-\$4.03	-\$2.35	-\$4.91	-\$7.57	-\$39.30
% Change			-1.19%	-0.96%	-0.81%	-0.61%	-0.88%	-1.02%	-0.98%
<hr/>									
			May	June	July	August	Sept	October	Summer
15	Typical Usage: therms		1,273	552	360	210	438	676	<u>3,509</u>
17	Summer 2021								
18	Customer Charge	units @ \$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84
19	All	units @ \$0.1895	\$241.20	\$104.63	\$68.21	\$39.75	\$83.08	\$128.04	\$664.90
20		COG 1 \$0.5291	\$673.44						\$673.44
21		COG 2 \$0.5291		\$292.12					\$292.12
22		COG 3 \$0.5291			\$190.46				\$190.46
23		COG 4 \$0.5291				\$110.98			\$110.98
24		COG 5 \$0.5291					\$231.96		\$231.96
25		COG 6 \$0.5291						\$357.50	\$357.50
26	Summer Period 2021 Avg. COG \$0.5291*								
27		LDAC \$0.0472	\$60.08	\$26.06	\$16.99	\$9.90	\$20.69	\$31.89	\$165.61
28	TOTAL		\$1,197.35	\$645.45	\$498.30	\$383.27	\$558.37	\$740.07	<u>\$4,022.81</u>
29	Change		-\$108.06	-\$46.87	-\$30.56	-\$17.81	-\$37.22	-\$57.37	-\$297.89
30	% Chg		-9.02%	-7.26%	-6.13%	-4.65%	-6.67%	-7.75%	-7.41%

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

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-51 Commercial & Industrial Bill - 6,060 therms/Summer

Comparison of Summer 2022 vs. Summer 2021

			May	June	July	August	Sept	October	Summer	
1	Typical Usage: therms(1)		990	951	992	928	1,122	1,078	<u>6,060</u>	
2										
3	Summer 2022									
4	Customer Charge	units @	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84	
5	First	1,000 units @	\$0.1337	\$127.11	\$132.56	\$124.04	\$133.70	\$133.70	\$783.49	
6	Over	1,000 units @	\$0.1087	\$0.00	\$0.00	\$0.00	\$13.27	\$8.51	\$21.77	
7		COG 1	\$0.4741	\$469.41					\$469.41	
8		COG 2	\$0.4741		\$450.72				\$450.72	
9		COG 3	\$0.4741			\$470.07			\$470.07	
10		COG 4	\$0.4741				\$439.85		\$439.85	
11		COG 5	\$0.4741					\$531.97	\$531.97	
12		COG 6	\$0.4741					\$511.20	\$511.20	
13	Summer Period 2022 Avg. COG		\$0.4741*							
14		LDAC	\$0.0360	\$35.64	\$34.22	\$35.69	\$33.40	\$40.39	\$38.82	\$218.17
15	TOTAL			\$860.07	\$834.69	\$860.97	\$819.93	\$941.97	\$914.86	\$5,232.49
Base Rate Change			\$ Change	\$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%
COG Change			\$ Change	\$266.44	\$255.83	\$353.97	\$331.21	\$235.41	\$226.22	\$1,669.07
			% Change	44.89%	44.20%	69.83%	67.78%	33.32%	32.85%	46.85%
LDAC Change			\$ Change	\$0.10	\$0.10	\$0.10	\$0.09	\$0.11	\$0.11	\$0.61
			% Change	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%	0.02%
16										
17	Typical Usage: therms		990	951	992	928	1,122	1,078	<u>6,060</u>	
18	Summer 2021									
19	Customer Charge	units @	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.84	
20	First	1,000 units @	\$0.1337	\$127.11	\$132.56	\$124.04	\$133.70	\$133.70	\$783.49	
21	Over	1,000 units @	\$0.1087	\$0.00	\$0.00	\$0.00	\$13.27	\$8.51	\$21.77	
22		COG 1	\$0.2050	\$202.97					\$202.97	
23		COG 2	\$0.2050		\$194.89				\$194.89	
24		COG 3	\$0.1171			\$116.10			\$116.10	
25		COG 4	\$0.1171				\$108.64		\$108.64	
26		COG 5	\$0.2643					\$296.56	\$296.56	
27		COG 6	\$0.2643					\$284.98	\$284.98	
28	Summer Period 2021 Avg. COG		\$0.1987*							
29		LDAC	\$0.0359	\$35.54	\$34.13	\$35.59	\$33.31	\$40.28	\$38.71	\$217.57
30	TOTAL			\$593.53	\$578.76	\$506.90	\$488.63	\$706.45	\$688.54	\$3,562.82
31	Change			\$266.54	\$255.92	\$354.07	\$331.30	\$235.52	\$226.33	\$1,669.67
32	% Chg			44.91%	44.22%	69.85%	67.80%	33.34%	32.87%	46.86%

*-Note- Weighted by usage.

NORTHERN UTILITIES, INC. -- NEW HAMPSHIRE DIVISION
Impact of Rate Changes on Residential Heating Bills by Usage Level
Forecast Summer 2022 vs. Actual Summer 2021

Residential Heating		
	<u>Summer 2021</u>	<u>Summer 2022</u>
Customer Charge	\$22.20	\$22.20
First 50 Therms	\$0.6099	\$0.6099
Over 50 therms	\$0.6099	\$0.6099
LDAC	\$0.1099	\$0.0631
CGA	\$0.4970	\$0.5176

Usage (Therms)	Summer 2019 Bill Amount	Summer 2020 Bill Amount	Total Bill		Base Rate		COG		LDAC	
5	\$28.28	\$28.15	(\$0.13)	-0.5%	\$0.00	0.0%	\$0.10	0.4%	(\$0.23)	-0.8%
10	\$34.37	\$34.11	(\$0.26)	-0.8%	\$0.00	0.0%	\$0.21	0.6%	(\$0.47)	-1.4%
20	\$46.54	\$46.01	(\$0.52)	-1.1%	\$0.00	0.0%	\$0.41	0.9%	(\$0.94)	-2.0%
Monthly*	\$52.62	\$51.97	(\$0.66)	-1.2%	\$0.00	0.0%	\$0.52	1.0%	(\$1.17)	-2.2%
30	\$58.70	\$57.92	(\$0.79)	-1.3%	\$0.00	0.0%	\$0.62	1.1%	(\$1.40)	-2.4%
45	\$76.96	\$75.78	(\$1.18)	-1.5%	\$0.00	0.0%	\$0.93	1.2%	(\$2.11)	-2.7%
50	\$83.04	\$81.73	(\$1.31)	-1.6%	\$0.00	0.0%	\$1.03	1.2%	(\$2.34)	-2.8%
75	\$113.46	\$111.50	(\$1.97)	-1.7%	\$0.00	0.0%	\$1.55	1.4%	(\$3.51)	-3.1%
125	\$174.30	\$171.03	(\$3.28)	-1.9%	\$0.00	0.0%	\$2.58	1.5%	(\$5.85)	-3.4%
150	\$204.72	\$200.79	(\$3.93)	-1.9%	\$0.00	0.0%	\$3.09	1.5%	(\$7.02)	-3.4%
200	\$265.56	\$260.32	(\$5.24)	-2.0%	\$0.00	0.0%	\$4.12	1.6%	(\$9.36)	-3.5%

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