

September 22, 2022

BY E-MAIL

Daniel Goldner, Chair New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

Re: Northern Utilities, Inc. -- DG 22-059

2022 / 2023 Annual Cost of Gas and Associated Charges Filing:

Supplemental Cost of Gas Rate Filing

Dear Chair Goldner:

Enclosed please find the supplemental filing, in redacted and confidential versions, of Northern Utilities, Inc.'s ("Northern" or the "Company") proposed 2022 / 2023 Annual Cost of Gas ("COG") Adjustment filing. This supplemental filing is being submitted due to minor updates to Northern's COG reconciliation that were not available at the time the initial filing was submitted on September 16, 2022. As a result of these updates, Northern is submitting revisions to the following Tariff Sheets:

Fifth Revised Page 40 (COG);
Fifth Revised Page 41 (COG);
Twelfth Revised Page 42 (COG);
Fifteenth Revised Page 43 (COG);
Sixteenth & Seventeenth Revised Page No. 86 (Rate Summaries);
Fifteenth & Sixteenth Revised Page No. 88 (Rate Summaries); and
Fifth Revised Page 158 (Appendix D).

Also provided is the supplemental testimony and revised attachments of Christopher Kahl explaining the updates and the impact on the COG calculation. In addition, typical bill impacts are provided in the supplemental testimony and revised Attachment NUI-SED-3 of Elena Demeris.

The revised 2022 / 2023 Winter Season COG rate for Residential customers is \$1.1289 per therm and the revised 2023 Summer Season COG rate for Residential customers is \$0.6916 per therm. Fall all rate classes the Winter Season and Summer Season COG rates are \$0.0068 and \$0.0011 lower, respectively, than those in the September 16, 2022 filing.

Matthew J. Fossum Senior Counsel fossumm@unitil.com 6 Liberty Lane West Hampton, NH 03842



The typical bill for a Residential heating customer for the 2022 / 2023 Winter Season is projected to be \$1,437.72. This is higher than the 2021 / 2022 Winter Season bill by \$256.46 or 21.7%. The typical bill for a Residential heating customer for the 2023 Summer Season is projected to be \$356.21. This is higher than the 2022 Summer Season bill by \$8.75 or 2.51%.

If you have any questions or need additional information, please contact me.

Sincerely,

Matthew J. Fossum Senior Counsel

CC: Faisal Deen Arif, New Hampshire Department of Energy
Mary Schwarzer, New Hampshire Department of Energy
Donald Kreis, New Hampshire Office of the Consumer Advocate
Energy-litigation@energy.nh.gov
OCAlitigation@oca.nh.gov

¹ This bill impact includes changes to the Company's COG, LDAC and Distribution Base Rates.

NORTHERN UTILITIES, INC. NEW HAMPSHIRE DIVISION NOVEMBER 2022 / OCTOBER 2023 ANNUAL PERIOD COST OF GAS ADJUSTMENT FILING PREFILED SUPPLEMENTAL TESTIMONY OF CHRISTOPHER A. KAHL

1	Q.	Please state	your name and	business	address.
---	----	--------------	---------------	-----------------	----------

- 2 A. My name is Christopher A. Kahl. My business address is 6 Liberty Lane West,
- 3 Hampton, New Hampshire.
- 4 Q. For whom do you work and in what capacity?
- 5 A. I am a Senior Regulatory Analyst for Unitil Service Corp. ("Unitil Service"), a subsidiary
- of Unitil Corporation ("Unitil"). Unitil Service provides managerial, financial, regulatory
- and engineering services to the principal subsidiaries of Unitil. These subsidiaries are
- 8 Fitchburg Gas and Electric Light Company d/b/a Unitil, Granite State Gas Transmission,
- Inc. ("Granite"), Northern Utilities, Inc. d/b/a Unitil ("Northern" or "the Company"), and
- Unitil Energy Systems, Inc. I am responsible for developing, providing and sponsoring
- certain reports, testimony and proposals filed with regulatory agencies.
- 12 Q. Please summarize your professional and educational background.
- 13 A. I have worked in the natural gas industry for over twenty-five years. Before joining
- Unitil in January 2011, I was employed as an Analyst with Columbia Gas of
- Massachusetts ("Columbia") where I had worked since 1997 in supply planning. Prior to
- working for Columbia, I was employed as an Analyst in the Rates and Regulatory Affairs
- Department of Algonquin Gas Transmission Company ("Algonquin") from 1993 to 1997.
- Prior to working for Algonquin, I was employed as a Senior Associate/Energy Consultant

Prefiled Supplemental Testimony of Christopher A. Kahl 2022/2023 Annual COG Filing Page 2 of 6

for DRI/McGraw-Hill. I received a Bachelor of Sciences degree and a Masters of Arts
degree in Economics from Northeastern University.

3 Q. Have you previously testified before the New Hampshire Public Utilities

4 Commission or for Unitil?

- Yes, I have testified before the Commission in the 2021 / 2020 Annual Cost of Gas

 ("COG") proceeding, Docket No. DG 21-131 and the 2020 / 2021 Annual COG

 proceeding, Docket No. DG 20-154. I have testified in numerous other Cost of Gas

 proceedings as well.
- 9 Q. Please explain the why Northern is submitting this supplement to its Annual COG filing.
- 11 A. Northern is submitting this supplemental filing due to revisions in the Company's accounting data that were not available for inclusion in the Company's initial COG filing 12 submitted on September 16, 2022. Specifically, revised indirect demand costs related to 13 the Company's most recent rate case, Docket No. DG 21-104, but collected through the 14 COG were revised effective August 1, 2021. Despite being revised for effect on August 15 1, 2021, the revisions to the monthly demand charges, as utilized in the reconciliation, 16 were not available at the time the initial COG filing needed to be made. Now that these 17 costs are available, they need to be reflected in the filing. 18

Q. Please explain what costs are changing.

19

A. As described in footnote 1 to Section 2.1 of the May 26, 2022 Settlement Agreement in

Docket No. DG 21-104, indirect costs relating to production and storage capacity and

overheads were being revised downward through the settlement. While those costs were

Prefiled Supplemental Testimony of Christopher A. Kahl 2022/2023 Annual COG Filing Page 3 of 6

revised following the approval of the settlement agreement, the posting of the revised
monthly demand costs were not available until just after the initial filing was submitted.

3 Q. In which attachment does this change appear?

A. The change in the reconciliation appears in Attachment NUI-CAK-10. Specifically, on

Schedule 4, Page 2, the costs "Local Storage and Production Allowance" and "Other

A&G Allowance" has been revised. Whereas Other A&G Allowance shows a small

increase in costs, Local Production and Storage shows an approximate \$262,000 decrease

in costs when compared to the prior approved amount.

9 Q. Are other attachments impacted?

18

10 A. Yes, the change in the reconciliation impacts the ending balance and interest calculation 11 in Attachment NUI-CAK-12, the final calculated COG rates in Attachment NUI-CAK-12 13, the comparison of projected COG rates to current COG rates in Attachment NUI-13 CAK-14, the calculation of the Re-entry rates in Attachment NUI-FXW-11 and the typical bill analysis in Attachment NUI-SED-3. I have included revised versions of my 14 15 attachments as well as a revised version of Attachment NUI-FXW-11. Elena Demeris, Senior Regulatory Analyst for Unitil Service, has provided a revised version of 16 Attachment NUI-SED-2. 17

Q. What is the impact of the revised reconciliation on COG rates?

Prefiled Supplemental Testimony of Christopher A. Kahl 2022/2023 Annual COG Filing Page 4 of 6

- A. Because the revision applies to indirect gas costs, the impact on all rate classes is the
- same. Compared to the initial COG filing, the Winter Season and Summer Season rate
- impacts are decreases of \$0.0068 per therm and \$0.0011 per therm respectively.
- 4 Q. Were any other changes made to the reconciliation?
- 5 A. A few minor changes were made including a correction to the footnote on Schedule 2, the
- removal of reference errors on page 4 and a revision of the October 2021 prime rate to
- 7 reflect the most recent increase in interest rates instituted by the Federal Reserve.
- 8 Q. What was the reconciliation revision's impact on the Re-entry Rate?
- 9 A. The Re-entry Rate was revised from \$0.0709 per therm to \$0.0724 per therm.
- 10 Q. Is there any change to the Conversion Rate?
- 11 A. There is no change to the Conversion Rate.
- 12 Q. Which tariff pages are you resubmitting?
- 13 A. I am resubmitting tariff pages, 40, 41, 42, 43, 86 and 88 and page 158. Pages 86 and 88
- will include both a Summer Season rate summary and a Winter Season rate summary.
- 15 Q. Which tariff pages are unaffected and not being resubmitted?
- 16 A. The tariff pages that are not impacted by the change in the reconciliation and, therefore,
- 17 not being resubmitted are Page 62 (LDAC), Page 144 (Appendix A, administrative fees
- and charges) and Page 156 (Appendix C, capacity allocators).

Prefiled Supplemental Testimony of Christopher A. Kahl 2022/2023 Annual COG Filing Page 5 of 6

- Q. Please Summarize Northern's revised 2022 / 2023 Summer Period and Winter
 Period COG rates and describe how they compare to last year's rates.
- A. Table 1 below provides Northern's revised 2022 / 2023 Winter Period COG rates and
 compares them to the average COG rates for the 2021 / 2022 Winter Period. As this table
 shows, Winter Period COG rates are higher than those in 2021 / 2022 by \$0.1570 for
 residential customers and higher by \$0.1756 and \$0.1550 per therm for High and Low
 Load Factor Commercial / Industrial ("C / I") customers, respectively.

8 Table 1
9 Winter Period Cost of Gas Rates

Class	2022 / 2023 Proposed	2021 / 2022 Average	Percent Change From 2021/2022 Winter Period
	Rate per therm	Rate per therm	
Residential			
Non-Heat (R-5, R-6 & R-10)	\$1.1289	\$0.9719	15.70%
C & I - High Load Factor			
(G-50, G-51 & G-52)	\$1.0536	\$0.8780	20.00%
C & I - Low Load Factor			
(G-40, G-41 & G-42)	\$1.1428	\$0.9878	15.69%

10

11

12

13

14

15

Table 2 below provides Northern's revised 2022 / 2023 Summer Period COG rates and compares them to the average COG rates for the 2021 / 2022 Summer Period. As this table shows, the proposed COG rates are \$0.2442 lower for Residential customers, \$0.2591 lower for High Load Factor C / I customers and \$0.2244 lower for Low Load Factor C / I customers.

Prefiled Supplemental Testimony of Christopher A. Kahl 2022/2023 Annual COG Filing Page 6 of 6

Table 2

2022 / 2023 2021 / 2022 **Percent Change** From 2021 / 2022 Class **Proposed** Average **Summer Period** Rate per therm Rate per therm Residential Non-Heat (R-5, R-6 & R-10) \$0.6916 \$0.9358 (26.10)% C & I - High Load Factor (G-50, G-51 & G-52) \$0.6331 \$0.8922 (29.04)% C & I - Low Load Factor (G-40, G-41 & G-42) \$0.7383 \$0.9627 (23.31)%

Summer Period Cost of Gas Rates

3

2

- 4 Q. What is typical bill impact for a residential customer?
- 5 A. Typical bill impacts are discussed in the supplemental testimony of Elena Demeris
- 6 Q. Does this conclude you testimony?
- 7 A. Yes it does.

NORTHERN UTILITIES, INC. NEW HAMPSHIRE DIVISION NOVEMBER 2022/OCTOBER 2023 ANNUAL COST OF GAS ADJUSTMENT FILING PREFILED SUPPLEMENTAL TESTIMONY OF S. ELENA DEMERIS

1	I.	INTRODUCTION
2	Q.	Please state your name and business address.
3	A.	My name is S. Elena Demeris. My business address is 6 Liberty Lane West, Hampton,
4		New Hampshire.
5		
6	Q.	For whom do you work and in what capacity?
7	A.	I am a Senior Regulatory Analyst for Unitil Service Corp. ("Unitil Service"), a subsidiary
8		of Unitil Corporation that provides managerial, financial, regulatory and engineering
9		services to Unitil Corporation's principal subsidiaries Fitchburg Gas and Electric Light
10		Company, d/b/a Unitil ("FG&E"), Granite State Gas Transmission, Inc. ("Granite"),
11		Northern Utilities, Inc. d/b/a Unitil ("Northern"), and Unitil Energy Systems, Inc.
12		("UES") (together "Unitil"). In this capacity I am responsible for preparing regulatory
13		filings, pricing research, regulatory analysis, tariff administration, revenue requirements
14		calculations, customer research, and other analytical services.
15		
16	Q.	Please summarize your professional and educational background.
17	A.	In 1996, I graduated from the University of Massachusetts - Lowell with a Bachelor's of
18		Science Degree in Civil Engineering. In 2005, I earned a Master's Degree in Business
19		Administration and in 2006 a Master's Degree in Finance from Southern New Hampshire
20		University. I joined Unitil in July 1998 in the regulatory/rate department.

Prefiled Supplemental Testimony of S. Elena Demeris Annual 2022/2023 COG Filing Page 2 of 2

1	Q.	Please explain why you are providing supplemental testimony?
2	A.	Due to the changes detailed in the supplemental testimony of Mr. Kahl, I am providing
3		updated bill impacts.
4		
5	Q.	Have you updated the typical bill analyses showing the impacts of the proposed
6		COG and LDAC rate changes for effect on November 1, 2022 for typical Residential
7		heating customers over the upcoming Winter Season?
8	A.	Yes, REVISED Attachment NUI-SED-3, page 1 provides the analyses. It shows that a
9		typical Residential heating customer consuming 582 therms during the 2022/2023 Winter
10		Season can expect a bill of \$1,437.72. This is an increase of \$256.46, or 21.7%
11		compared to the 2021/2022 Winter Season bill with the same consumption.
12		
13	Q.	Have you updated the typical bill analyses showing the impacts of the proposed
14		COG and LDAC for effect on May 1, 2023 for typical Residential heating gas
15		customers over the next Summer Season?
16	A.	Yes, REVISED Attachment NUI-SED-3, page 6 provides this analysis. It shows that a
17		typical residential heating customer consuming 124 therms during the 2023 Summer
18		Season can expect a bill of \$356.21. This is an increase of \$8.74, or 2.51% compared to
19		the 2022 Summer Season bill with the same consumption.
20		
21	Q.	Does this conclude your testimony?
22	A.	Yes, it does.

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC. Fifth Revised Page 40 Superseding Fourth Revised Page 40

Anticipated Cost of Gas

New Hampshire Division Period Covered: November 1, 2022 - April 30, 2023

Period Covered. Nov	verliber 1, 2022 - April 30,	2023
(Col 1)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS Purchased Gas: Demand Costs:	\$6,358,704	
Supply Costs:	\$20,129,627	
Storage & Peaking Gas: Demand, Capacity: Commodity Costs:	\$12,558,149 \$11,531,102	
Interruptible Included Above	\$0	
Inventory Finance Charge	\$6,382	
Capacity Release, & Asset Management	(\$8,570,786)	
Re-entry Rate & Conversion Rate Revenues	\$ (5,000)	
Total Anticipated Direct Cost of Gas		<u>\$42,008,180</u>
ANTICIPATED INDIRECT COST OF GAS		
Adjustments:		
Prior Period Under/(Over) Collection	(\$2,757,176)	
Interest Refunds	(\$54,387) \$0	
Interruptible Margins	\$0 \$0	
Total Adjustments		(\$2,811,562)
Working Capital:		
Total Anticipated Direct Cost of Gas	\$42,008,180	
Working Capital Percentage	<u>0.1588%</u>	
Working Capital Allowance	\$ 66,714	
Plus: Working Capital Reconciliation (Acct 173)	\$7,437	
Total Working Capital Allowance		\$74,150
Bad Debt:		
Bad Debt Allowance	\$121,564	
Plus: Bad Debt Reconciliation (Acct 173)	(\$10,671)	
Total Bad Debt Allowance		\$110,893
Local Production and Storage Capacity		\$214,538
Miscellaneous Overhead-80.46% Allocated to Winter Season	on	\$492,287
Total Anticipated Indirect Cost of Gas		(\$1,919,694)
Total Cost of Gas		\$40,088,486
Issued: September 22, 2022	Issued By:	Robert B. Hevert
Effective Date: November 1, 2022		Senior Vice President
Authorized by NHPUC Order No, in Docket No. DG 22	2, dated <u>,</u>	2022

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC. Fifth Revised Page No. 41 Superseding Fourth Revised Page No. 41

Anticipated Cost of Gas

New Hampshire Division Period Covered: May 1, 2022 - October 31, 2023

(Col 1)	(Col 2)	(Col 3)
ANTICIPATED DIRECT COST OF GAS		
Purchased Gas:	¢ 4.055.240	
Demand Costs: Supply Costs:	\$ 1,055,340 \$ 4,140,569	
	1,1.10,000	
Storage & Peaking Gas: Demand, Capacity:	\$ 397,527	
Commodity Costs:	\$ 162,908	
Interruptible Included Above	\$0	
Inventory Finance Charge	\$0	
Capacity Release & Asset Management	\$0	
Re-entry Rate and Conversion Rate Revenues	\$0	
Total Anticipated Direct Cost of Gas		<u>\$5,756,343</u>
ANTICIPATED INDIRECT COST OF GAS		
Adjustments:		
Prior Period Under/(Over) Collection	\$94,114	
Interest Refunds	(\$31,303) \$0	
Interruptible Margins	\$0_	
Total Adjustments		\$62,811
Working Capital:		
Total Anticipated Direct Cost of Gas Working Capital Percentage	\$5,756,344 <u>0.1398%</u>	
Working Capital Percentage Working Capital Allowance	\$9,142	
Plus: Working Capital Reconciliation (Acct 173)	\$1,807	
Total Working Capital Allowance		\$10,948
Bad Debt:		
Bad Debt Allowance	\$17,079	
Plus: Bad Debt Reconciliation (Acct 173)	(\$562)	
Total Bad Debt Allowance		\$16,517
rotal Bud Bost / Horianos		\$ 10,0 TI
Local Production and Storage Capacity		\$0
Miscellaneous Overhead-19.54% Allocated to Summer Seaso	on	\$119,588
Total Anticipated Indirect Cost of Gas		\$209,865
Total Cost of Gas		\$5,966,208
Issued: September 22, 2022	Issued By:	Robert B. Hevert
Effective Date: May 1, 2023	-7.	Senior Vice President
Authorized by NHPUC Order No, in Docket No. DG 22-	, dated <u>,</u>	2022

Twelfth Revised Page 42 Superseding Elventh Revised Page 42

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2021 - April 30, 2022

(Col 1)	(Col 2)	(Col 3)	
Total Anticipated Direct Cost of Gas	\$42,008,180		
Projected Prorated Sales (11/01/22 - 04/30/23) Direct Cost of Gas Rate	35,507,405	\$1.1831	per therm
Demand Cost of Gas Rate	\$10,341,068	\$0.2912	per therm
Commodity Cost of Gas Rate	\$ <u>31,667,112</u>	\$ <u>0.8918</u>	per therm
Total Direct Cost of Gas Rate	\$42,008,180	\$1.1830	per therm
Total Anticipated Indirect Cost of Gas	(\$1,919,694)		
Projected Prorated Sales (11/01/22 - 04/30/23)	35,507,405		
Indirect Cost of Gas		(\$0.0541)	per therm
TOTAL PERIOD AVERAGE COST OF GAS		\$1.1289	per therm
RESIDENTIAL COST OF GAS RATE -11/01/22	COGwr	\$1.1289	per therm
	Maximum (COG+25%)	\$1.4112	

COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22	COGwl	\$1.0536 per therm
	Maximum (COG+25%)	\$1.3170
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$569,531	
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	\$8,570	
C&I HLF TOTAL ADJUSTED DEMAND COSTS	\$578,101	
C&I HLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	2,898,272	
DEMAND COST OF GAS RATE	\$0.1995	
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$2,634,583	
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$2,272)	
C&I HLF TOTAL ADJUSTED COMMODITY COSTS	\$2,632,312	
C&I HLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	2,898,272	
COMMODITY COST OF GAS RATE	\$0.9082	
INDIRECT COST OF GAS	(\$0.0541)	
TOTAL C&I HLF COST OF GAS RATE	\$1.0536	

	Maximum (COG+25%)	£4.400F
		\$1.4285
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$4,796,055	
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF	\$72,168	
C&I LLF TOTAL ADJUSTED DEMAND COSTS	\$4,868,223	
C&I LLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	15,802,392	
DEMAND COST OF GAS RATE	\$0.3081	
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$14,057,910	
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF	(\$12,123)	
C&I LLF TOTAL ADJUSTED COMMODITY COSTS	\$14,045,788	
C&I LLF PROJECTED PRORATED SALES (11/01/22 - 04/30/23)	15,802,392	
COMMODITY COST OF GAS RATE	\$0.8888	
INDIRECT COST OF GAS	(\$0.0541)	
TOTAL C&I LLF COST OF GAS RATE	\$1.1428	
Control Control of 22 2000		
ssued: September 22, 2022	Issued By:	Robert B. Hevert
iffective Date: November 1, 2022 authorized by NHPUC Order No. , in Docket No. DG 22- , dated		Senior Vice President

Issued: September 22, 2022

Effective Date: May 1, 2023
Authorized by NHPUC Order No. _____, in Docket No. DG 22-___, dated ____

Fifteenth Revised Page No. 43 Superseding Fourteenth Revised Page No. 43

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 2023 - October 31, 2023

lay 1, 2023 - October 31, 2023		
(Col 2)	(Col 3)	
\$5,756,344		
8,625,565	\$0.6674	per therm
\$1,452,867	\$0.1684	per therm
\$4,303,477	\$0.4989	per therm
\$5,756,344	\$0.6673	per therm
\$209,865 8,625,565	\$0.0243	per therm
	\$0.6916	per therm
COGwr	\$0.6916	per therm
um Preapproved Adjustment (COG+25%)*	•	F
15app1515a Aajastiiloit (555-25/8)	\$0.0040	
COGwI	\$0.6331	per therm
um Preapproved Adjustment (COG+25%)*	\$0.7914	
\$230,600		
\$11,833	-	
\$242,434 2,206,001		
\$0.1099		
\$1,100,620		
\$34 \$1,100 655	-	
\$1,100,655 2,206,001		
\$0.4989	ı	
\$0.0243		
\$0.6331		
COGwh	\$0.7383	per therm
um Preapproved Adjustment (COG+25%)*	\$0.9229	
\$566,892 \$30,004		
\$29,091 \$595,983	-	
2,770,809		
\$0.2151		
\$1,382,415		
\$43	_	
\$1,382,458 2,770,809		
\$0.4989		
\$0.0243		
\$0.7383		

Issued By:

Robert B. Hevert

Senior Vice President

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Sixteenth Revised Page 86 Superseding Fifteenth Revised Page 86

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE RESIDENTIAL RATES

	Winter Season November 2022 - April 2023	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Tariff Rates Plus Cost	, LDAC
Residential Heating	Tariff Rate R 5: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.1845 \$1.1289	\$22.20 \$1.1111		\$22.20
	Cost of Gas	ψ1.1203			
Residential Heating Low Income	Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$22.20 \$0.9266 \$0.1845 \$1.1289 (\$9.99) (\$0.4170) \$0.0000	\$22.20 \$1.1111 (\$9.99 (\$0.4170)	\$2.2400	\$22.20 (\$9.99)
	Cost of Gas	(\$0.5080)			
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge All usage LDAC	\$22.20 \$1.4053 \$0.1845	\$22.20 \$1.5898	\$2.7187	\$22.20
	Gas Cost Adjustment: Cost of Gas	\$1.1289			

^{*:} Discount applicable to winter months November through April only.

Issued: September 22, 2022			Issued by:	Robert B. Hevert
Effective: With Service Rendered On a	and After November 1, 2022		Title:	Senior Vice President
Authorized by NHPUC Order Nos.	in Docket Nos. DG	. dated		

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Seventeenth Revised Page 86 Superseding Sixteenth Revised Page 86

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE RESIDENTIAL RATES

	Summer Season		Total	Total Billed Rates	
	May 2023 - October 2023	Tariff	Delivery Rates	Tariff Rates, LDA	C
		Rates	(Includes LDAC)	Plus Cost of Gas	S
Residential Heating	Tariff Rate R 5:				
	Monthly Customer Charge	\$22.20	\$22.20	·	22.20
	All usage	\$0.9266	\$1.1111	\$1.8027	
	LDAC	\$0.1845			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.6916			
Residential Heating	Tariff Rate R 10:				
Low Income	Monthly Customer Charge	\$22.20	\$22.20	\$:	22.20
	All usage	\$0.9266	\$1.1111	\$1.8027	
	LDAC	\$0.1845			
	Gas Cost Adjustment:				
	Cost of Gas	\$0.6916			
Discount*	Monthly Customer Charge	\$0.00	\$0.00	;	\$0.00
Discount*	All usage	\$0.0000	\$0.0000	\$0.0000	
Discount*	LDAC	\$0.0000	,	,	
	Gas Cost Adjustment:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Discount*	Cost of Gas	\$0.0000			
Residential Non-Heating	Tariff Rate R 6:		<u> </u>		
The state of the s	Monthly Customer Charge	\$22.20	\$22.20	\$	22.20
	All usage	\$1.4053	\$1.5898	\$2.2814	0
	LDAC	\$0.1845	V.1.000	Ţ_1 =0 1 1	
	Gas Cost Adjustment:	40.10.13			
	Cost of Gas	\$0.6916			

^{*:} Discount applicable to winter months November through April only.

Issued: September 22, 2022			Issued by:	Robert B. Hevert
Effective: With Service Rendered On and	After May 1, 2023		Title:	Senior Vice President
Authorized by NHPUC Order Nos.	in Docket Nos. DG	, dated		

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Fifteenth Revised Page 88 Superseding Fourteenth Revised Page 88

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE C & I RATES

	Winter Season		Total	Total Billed Rates
	November 2022 - April 2023	Tariff Rates	Delivery Rates (Includes LDAC)	Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40:			
	Monthly Customer Charge	\$80.00	\$80.00	\$80.00
	All usage	\$0.2556	\$0.3044	\$1.4472
	LDAC	\$0.0488		
	Gas Cost Adjustment:			
	Cost of Gas	\$1.1428		
C&I Low Annual/Low Winter	Tariff Rate G 50:			
	Monthly Customer Charge	\$80.00	\$80.00	\$80.00
	All usage	\$0.2359	\$0.2847	\$1.3383
	LDAC	\$0.0488		
	Gas Cost Adjustment:			
	Cost of Gas	\$1.0536		
C&I Medium Annual/High Winter	Tariff Rate G 41:			
	Monthly Customer Charge	\$225.00	\$225.00	\$225.00
	All usage	\$0.2883	\$0.3371	\$1.4799
	LDAC	\$0.0488		
	Gas Cost Adjustment:			
	Cost of Gas	\$1.1428		
C&I Medium Annual/Low Winter	Tariff Rate G 51:			
	Monthly Customer Charge	\$225.00	\$225.00	\$225.00
	All usage	\$0.1770	\$0.2258	\$1.2794
	LDAC	\$0.0488		
	Gas Cost Adjustment:			
	Cost of Gas	\$1.0536		
C&I High Annual/High Winter	Tariff Rate G 42:			
	Monthly Customer Charge	\$1,350.00	\$1,350.00	\$1,350.00
	All usage	\$0.2185	\$0.2673	\$1.4101
	LDAC	\$0.0488		
	Gas Cost Adjustment:	,		
	Cost of Gas	\$1.1428		
C&I High Annual/Low Winter	Tariff Rate G 52:			
,	Monthly Customer Charge	\$1,350.00	\$1,350.00	\$1,350.00
	All usage	\$0.1796	\$0.2284	\$1.2820
	LDAC	\$0.0488	,	,
	Gas Cost Adjustment:	Ψ0.0-100		
	Cost of Gas	\$1.0536		

lssued: September 22, 2022		Issued by:	Robert B. Hevert	
Effective: With Service Rendered On and	d After November 1, 2022	Title:	Senior Vice President	
Authorized by NHPUC Order Nos.	in Docket Nos. DG	. dated		

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Sixteenth Revised Page 88 Superseding Fifteenth Revised Page 88

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE C & I RATES

	Summer Season May 2023 - October 2023	Tariff Rates	Total Delivery Rates (Includes LDAC)	Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$80.00 \$0.2556 \$0.0488	\$80.00 \$0.3044	\$80.00 \$1.0427
	Cost of Gas	\$0.7383		
C&I Low Annual/Low Winter	Tariff Rate G 50: Monthly Customer Charge All usage LDAC	\$80.00 \$0.2359 \$0.0488	\$80.00 \$0.2847	\$80.00 \$0.9178
	Gas Cost Adjustment:	\$0.6331		
	Cost of Gas	\$0.6331		
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC	\$225.00 \$0.2883 \$0.0488	\$225.00 \$0.3371	\$225.00 \$1.0754
	Gas Cost Adjustment: Cost of Gas	\$0.7383		
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$225.00 \$0.1770 \$0.0488	\$225.00 \$0.2258	\$225.00 \$0.8589
	Cost of Gas	\$0.6331		
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC	\$1,350.00 \$0.2185 \$0.0488	\$1,350.00 \$0.2673	\$1,350.00 \$1.0056
	Gas Cost Adjustment: Cost of Gas	\$0.7383		
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$1,350.00 \$0.1096 \$0.0488	\$1,350.00 \$0.1584	\$1,350.00 \$0.7915
	Cost of Gas	\$0.6331		

Issued: September 22, 2022		Issued by:	Robert B. Hevert	
Effective: With Service Rendered On a	nd After May 1, 2023	Title:	Senior Vice President	
Authorized by NHPUC Order Nos	in Docket Nos. DG	, dated		

NHPUC No. 12 – Gas Northern Utilities, Inc.

Fifth Revised Page 158 Superseding Fourth Revised Page 158

VII. DELIVERY SERVICE TERMS AND CONDITIONS (continued)

Appendix D

Re-entry Surcharge and Conversion Surcharge (continued)

D. Information to be Filed with the Commission:

As part of the annual Cost of Gas filing, the Company shall file with the Commission a report showing the number of customers assessed the Re-entry Surcharge and the Conversion Surcharge and the amount of revenue received for each charge through the prior April 30. Pursuant to the Company's Cost of Gas Clause, the Company will apply such revenues as credits to the Company's New Hampshire Division Cost of Gas.

The following Re-entry Surcharge and Conversion Surcharge shall be applicable for the periods of November 1, 2022 through April 30, 2023 and May 1, 2023 through October 2023.

Effective Dates:	November 1, 2022 – April 30, 2022	May 1, 2023 – October 30, 2023
Re-entry Surcharge:	\$0.0724 per therm	\$0.0000 per therm
Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):	\$1.5529 per therm	\$0.0000 per therm
Conversion Surcharge, High Load Factor (G-50, G-51, G-52):	\$1.6421 per therm	\$0.0000 per therm

Issued: September 22, 2022

Effective: November 1, 2022

Issued by: Robert. B Hevert

Title: Senior Vice President

Authorized by NHPUC Order No. in Docket No. DG 22-, dated .

Effective Date: November 1, 202122

FourthFifth Revised Page 40 Superseding ThirdFourth Revised Page 40

Senior Vice President

Anticipated Cost of Gas

New Hampshire Division Period Covered: November 1, 20<u>2122</u> - October 31, 20<mark>22</mark>23

(Col 3) (Col 1) (Col 2) ANTICIPATED DIRECT COST OF GAS Purchased Gas: Demand Costs: 4,553,044 \$ 6,358,704 Supply Costs: \$\frac{11,472,168}{} \\$ 20,129,627 Storage & Peaking Gas: Demand, Capacity: 12,327,011 \$ 12,558,149 Commodity Costs: 7,733,349 \$ 11,531,102 Interruptible Included Above **Inventory Finance Charge** 1,378 \$ 6,382 **Capacity Release** \$ (4,076,771) \$ (8,570,786) Re-entry Rate & Conversion Rate Revenues \$ (5,000) \$ (5,000)**Total Anticipated Direct Cost of Gas** 32,005,179 \$ 42,008,180 ANTICIPATED INDIRECT COST OF GAS Adjustments: Prior Period Under/(Over) Collection 189.294 \$ (2,757,176)Interest (42,086) \$ (54,387)Refunds Interruptible Margins 147,208 \$ (2,811,562) **Total Adjustments** Working Capital: Total Anticipated Direct Cost of Gas 32,005,179 \$ 42,008,180 Working Capital Percentage <u>0.0892%</u> 0.1588% Working Capital Allowance 28,555 66,714 Plus: Working Capital Reconciliation (Acct 173 \$ (5,834) \$ 7,437 Total Working Capital Allowance 22,721 \$ 74,150 **Bad Debt:** 137,320 \$ 121,564 **Bad Debt Allowance** Plus: Bad Debt Reconciliation (Acct 173) (61.950) \$ (10.671)Total Bad Debt Allowance 75,370 \$ 110,893 **Local Production and Storage Capacity** 476,106 \$ 214,538 Miscellaneous Overhead-79.8780.46% Allocated to Winter Season 463,606 492,287 **Total Anticipated Indirect Cost of Gas** 1,185,012 \$ (1,919,694) **Total Cost of Gas** 33,190,191 \$ 40,088,486 Issued: November 4,2021 September 22, 2022 Issued By: Robert B. Hevert

FourthFifth Revised Page 41 Superseding ThirdFourth Revised Page 41

Anticipated Cost of Gas

New Hampshire Division
Period Covered: May 1, 202223 - October 31, 202223

Period	Covered: May 1, 20	0 22<u>23</u> - October	31, 20 22 23		
(Col 1)	(Col 2)	(Col 2)	(Col 3)	(Col 3)	
ANTICIPATED DIRECT COST OF GAS					
Purchased Gas:	¢05 (720	¢1.055.240			
Demand Costs: Supply Costs:	\$956,729 \$3.110.213	\$1,055,340 \$4,140,569			
Storage & Peaking Gas:	40,110,210	\$1,110,003			
Demand, Capacity:	\$397,395	\$397,527			
Commodity Costs:	\$21,467	\$162,908			
Interruptible Included Above	\$0	\$0			
Inventory Finance Charge	\$0	\$0			
Capacity Release & Asset Management	\$0	\$0			
Re-entry Rate & Conversion Rate Revenues	\$0	\$0			
Total Anticipated Direct Cost of Gas			\$4,485,805	\$5,756,343	
ANTICIPATED INDIRECT COST OF GAS Adjustments:					
Prior Period Under/(Over) Collection	\$47,710	\$94,114			
Interest	(\$41,380)	(\$31,303)			
Refunds Interruptible Margins	\$0 \$0	\$0 \$0			
Total Adjustments	\$0	<u> </u>	\$6,330	\$62,811	
Working Capital:					
Total Anticipated Direct Cost of Gas	\$4,485,805	\$5,756,344			
Working Capital Percentage	0.0892%	0.1398%			
Working Capital Allowance	\$ 4,002	<u>\$9,142</u>			
Plus: Working Capital Reconciliation (Acct 173)	(\$1,470)	<u>\$1,807</u>			
Total Working Capital Allowance			\$2,532	<u>\$10,948</u>	
Bad Debt:					
Bad Debt Allowance	\$14,529	<u>\$17,079</u>			
Plus: Bad Debt Reconciliation (Acct 173)	(\$15,614)	<u>(\$562)</u>			
Total Bad Debt Allowance			(\$1,084)	<u>\$16,518</u>	
Local Production and Storage Capacity			\$0	<u>\$0</u>	
Miscellaneous Overhead-20.1319.54% Allocated to t	he Summer Seasor	1	\$116,849	<u>\$119,588</u>	
Total Anticipated Indirect Cost of Gas			\$124,627	<u>\$209,865</u>	
Total Cost of Gas			\$4,610,433	<u>\$5,966,208</u>	
Issued: November 4, 2021 September 22, 2022				Robert B. Hevert	
Effective Date: May 1, 20222023				Senior Vice President	_
Authorized by NHPUC Order No, in Docket No.	o. DG 22, date	ed,	2022		

Eleventh Twelfth Revised Page 42
Superseding Tenth Eleventh Revised Page 42

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: November 1, 2024 $\underline{2}$ - April 30, 2022 $\underline{3}$

Period	d Covered: November 1, 20242 - April 30,	202 2 3			
(Col 1)	(Col 2)		(Col 3)		
Total Anticipated Direct Cost of Gas	\$32,005,179	<u>\$42,008,180</u>			
Projected Prorated Sales (11/01/2422 - 04/30/2223) Direct Cost of Gas Rate	35,339,329	35,507,405	\$0.9057	<u>\$1.1831</u>	per therm
Demand Cost of Gas Rate	\$12, 798,28 4	\$10,341,068	\$ 0.3622	\$0.2912	per therm
Commodity Cost of Gas Rate Total Direct Cost of Gas Rate	\$ <u>19,206,895</u> \$ <u>32,005,179</u>	\$31,667,112 \$42,008,180	\$0.5435 \$0.9057	\$0.8918 \$1.1830	per therm per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/2422 - 04/30/2223)	\$1,185,012 	(\$1,919,694) 35,507,405			
Indirect Cost of Gas			\$ 0.0335	(\$0.0541)	per therm
TOTAL PERIOD AVERAGE COST OF GAS Period ending under-collection to be recovered as determined on 12/21/2021			\$0.9392	<u>\$1.1289</u>	per therm
Projected Sales (01/01/22 - 04/30/2022)			(\$995,768) 23,905,700		
Per unit change in Cost of Gas (01/01/21 - 04/30/22)			(\$0.0417)		
Period ending under-collection to be recovered as determined on 1/24/2022			\$779,744		
Projected Sales (02/01/22 – 04/30/2022) Per unit change in Cost of Gas (02/01/21 – 04/30/22)			16,025,403 \$0.0487		
Period ending under-collection to be recovered as determined on 2/22/2022			\$1,003,825		
Projected Sales (03/01/22 - 04/30/2022)			9,250,801		
Per unit change in Cost of Gas (03/01/21 - 04/30/22)			\$0.1085		
RESIDENTIAL COST OF GAS RATE - 03/04/22-11/01/2022	COGwr		\$1.0547	\$1.1289	per therm
	Maximum (COG+25%)		\$ 1.1740	<u>\$1.4111</u>	
RESIDENTIAL COST OF GAS RATES - 11/01/2021			\$0.9392 (\$0.0417)		
CHANGE IN PER UNIT COST RESIDENTIAL COST OF GAS RATES - 01/01/2022			(\$0.0417) \$ 0.8975		
CHANGE IN PER UNIT COST			\$0.0487		
RESIDENTIAL COST OF GAS RATES - 02/01/2022			\$0.9462		
CHANGE IN PER UNIT COST RESIDENTIAL COST OF GAS RATES - 03/01/2022			\$ 0.1085 \$ 1.0547		
COM/IND LOW WINTER USE COST OF GAS RATE - 03/04/22-11/01/2022	COGwI		\$0.9608	<u>\$1.0536</u>	per therm
COMMUNIC LOW MUNICED LIGHT COORT OF CASE PATES. 44/04/0004	Maximum (COG+25%)		\$1.0566	<u>\$1.3170</u>	
COMIND LOW WINTER USE COST OF GAS RATES - 11/01/2021 CHANCE IN PER UNIT COST			\$ 0.8453 (\$0.0417)		
COM/IND LOW WINTER USE COST OF GAS RATES - 01/01/202			\$0.8036 \$0.0487		
CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF CAS RATES - 02/01/202			\$0.8523		
CHANGE IN PER UNIT COST COM/IND LOW WINTER USE COST OF GAS RATES - 03/01/202			\$0.1085 \$0.9608		
C&I HLF DEMAND COSTS ALLOCATED PER SMBA	\$569,53 <u>1</u>		,,,,,,,,		
PLUS: RESIDENTIAL DEMAND RELOCATION TO C&I HLF	<u>\$8,570</u>				
C&I HLF TOTAL ADJUSTED DEMAND COSTS C&I HLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	<u>\$578,101</u> 2,898,272				
DEMAND COST OF GAS RATE	<u>\$0.1995</u>				
C&I HLF COMMODITY COSTS ALLOCATED PER SMBA	\$2,634,583				
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I HLF	(\$2,272)				
C&I HLF TOTAL ADJUSTED COMMODITY COSTS C&I HLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	\$2,632,312 2,898,272				
COMMODITY COST OF GAS RATE	\$0.9082				
INDIRECT COST OF GAS	<u>(\$0.0541)</u>				
TOTAL C&I HLF COST OF GAS RATE	<u>\$1.0536</u>				
COM/IND HIGH WINTER USE COST OF GAS RATE - 03/01/22-11/01/2022	COGwh		\$1.0706	\$1.1428	per therm
	Maximum (COG+25%)		\$1.1939	<u>\$1.4285</u>	
COM/IND HIGH WINTER USE COST OF GAS RATES - 11/01/2021 CHANGE IN PER UNIT COST			\$0.9551 (\$0.0417)		
COM/IND HIGH WINTER USE COST OF GAS RATES - 01/01/2022			\$0.9134		
CHANGE IN PER UNIT COST COM/IND HIGH WINTER USE COST OF GAS RATES - 02/01/2022			\$0.0487 \$0.9621		
CHANGE IN PER UNIT COST			\$0.1085		
COM/IND HIGH WINTER USE COST OF GAS RATES - 03/01/2022			\$1.0706		
C&I LLF DEMAND COSTS ALLOCATED PER SMBA	\$4,796,055 \$73,468				
PLUS RESIDENTIAL DEMAND REALLOCATION TO C&I LLF C&I LLF TOTAL ADJUSTED DEMAND COSTS	<u>\$72,168</u> <u>\$4,868,223</u>				
C&I LLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	\$15,802,392				
DEMAND COST OF GAS RATE	<u>\$0.3081</u>				
C&I LLF COMMODITY COSTS ALLOCATED PER SMBA	\$14,057,910				
PLUS: RESIDENTIAL COMMODITY REALLOCATION TO C&I LLF C&I LLF TOTAL ADJUSTED COMMODITY COSTS	(\$12,123) \$14,045,788				
C&I LLF PROJECTED PRORATED SALES (11/01/21 - 04/30/22)	15,802,392				
COMMODITY COST OF GAS RATE INDIRECT COST OF GAS	<u>\$0.8888</u> (\$0.0541)				
INDIRECT COST OF GAS	<u>(\$0.0541)</u>				
INDIRECT COST OF GAS TOTAL C&I LLF COST OF GAS RATE					
INDIRECT COST OF GAS	<u>(\$0.0541)</u>	Issued By:		pert B. Hevert	

FourteenthFifteenth Revised Page No. 43
Superseding ThirteenthFourteenth Page No. 43

CALCULATION OF FIRM SALES COST OF GAS RATE

Period Covered: May 1, 20223 - October 31, 20223

Per	iod Covered: May 1, 202 <u>23</u> - C	october 31, 202 <u>23</u>				
		(Col 2)		(Col 3)		
		\$4,485,805	\$5,756,344			
		8,907,030	8,625,565	** 5000	** ***	
				\$0.5036	\$0.6674	per therm
		\$1,354,125	\$1,452,867	\$0.1520	\$0.1684	per therm
		\$4,485,805		\$0.5036		per therm per therm
		6104 607				•
		8,907,030	8,625,565			
				\$0.0140	\$0.0243	per therm
				\$0.5176	\$0.6916	per therm
rt		\$ 1,055,500		V 0.01.0	30.0010	por unorm
		8,907,030				
		\$0.1185				
t		\$1,935,343				
port						
		\$0.2078				
09 05/01/ 2223	COGwr		\$1.1204	\$0.6916		per therm
	Maximum Preapproved Ad	justment (COG+25%)*	\$0.6470	\$0.8645		
	••	• •				
			\$0.5176			
			\$0.2765			
			\$0.9126			
			\$1.1204			
09 05/01/ 2223			\$1.0768	<u>\$0.6331</u>		per therm
	Maximum Preapproved Ad	justment (COG+25%)*	<u>\$0.5925</u>	\$0.7914		
5/01/22			\$0.4740			
0/0/1/22			\$0.1185			
E - 05/01/22			\$0.5925			
0						
€			\$0.8690 \$0.2078			
2			\$1.0768			
	\$220.600					
	\$242,434					
23)	2,206,001					
	<u>\$0.1099</u>					
	\$1,100,620					
HLF	\$34					
23)						
20)						
	\$0.0243					
	<u>\$0.6331</u>					
0005/04/2222	COGwh		\$1 1472	\$0.7292		per therm
						per trierini
	Maximum Preapproved Ad	justment (COG+25%)*	\$0.6806	\$0.9229		
- 05/01/22			\$0.5445			
			\$0.1185			
E - 05/01/22						
2			\$0.9395			
			\$0.2078			
			64 4470			
2			\$1.1473			
2	\$566,89 <u>2</u>		\$1.1473			
2	<u>\$29,091</u>		\$1.1473			
	\$29,091 \$595,983		\$1.1473			
	\$29,091 \$595,983 2,770,809		\$1.1473			
	\$29,091 \$595,983		\$1.1473			
22)	\$29.091 \$595.983 2,770.809 \$0.2151 \$1.382,415		\$1.1473			
	\$29.091 \$595.983 2,770.809 \$0.2151 \$1,382.415 \$43		\$1.1473			
22) LLF	\$29.091 \$595.983 2,770.809 \$0.2151 \$1,382.415 \$43 \$1,382.458		\$1.1473			
22)	\$29.091 \$595.983 2,770.809 \$0.2151 \$1,382.415 \$43		\$1.1473			
22) LLF	\$29.091 \$595.983 2,770.809 \$0.2151 \$1.382.415 \$43 \$1.382.458 2,770.809 \$0.4989		\$1.44			
22) LLF	\$29.091 \$555.983 2,770.809 \$0.2151 \$1,382.415 \$43 \$1,382.458 2,770.809		\$1.473			
22) LLF	\$29.091 \$595.983 2,770.809 \$0.2151 \$1.382.415 \$43 \$1.382.458 2,770.809 \$0.4989		\$1.11/3			
LLF 222)	\$29.091 \$595.983 2.770.809 \$0.2151 \$1.382.415 \$43 \$1.382.458 2.770.809 \$0.4989		\$1.474			
LLF 222)	\$29.091 \$595.983 2.770.809 \$0.2151 \$1.382.415 \$43 \$1.382.458 2.770.809 \$0.4989 \$0.0243			Robert B. Hevert Senior Vice Pre		
	0905/01/2223 0905/01/2223 5/01/22 2 2 2 3 HLF 23) 0905/01/22 2 2 2 2 2 2 2 2 2 2 2 2	0905/01/2223 COGwr Maximum Preapproved Ad 0905/01/2223 COGwl Maximum Preapproved Ad 5/01/22 2 2 2 2 2 2 2 323,0600 \$11,833 \$242,434 23) \$2,206,001 \$0,1099 \$1,100,620 \$2,006,001 \$0,4989 \$0,0243 \$0,6331 0905/01/2223 COGwh Maximum Preapproved Ad 0905/01/2223 COGwh	\$4,485,805 8,907,030 \$1,354,125 \$3,131,680 \$4,485,805 \$4,485,805 \$124,657 8,907,030 \$1,035,343 \$5,999,418,907 \$0,2765 \$3,677,562 \$0,2078 Maximum Preapproved Adjustment (COG+25%)* \$1,035,343 \$5,099,418,907 \$0,2765 \$0,2078 Maximum Preapproved Adjustment (COG+25%)* \$1,035,343 \$0,2765 \$0,2078 Maximum Preapproved Adjustment (COG+25%)* \$1,006,20 \$11,833 \$242,434 \$23) \$2,206,001 \$0,1999 \$1,100,620 \$1,100,620 \$1,100,655 \$23) \$2,206,001 \$0,4989 \$0,0243 \$0,6331 \$0,6331 \$0,6331 \$0,6351 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331 \$0,6352 \$0,6331	\$4,465,805 \$5,756,344 8,625,565 \$1,354,125 \$1,452,867 \$3,131,869 \$4,303,477 \$4,485,805 \$5,756,344 \$4,907,939 \$5,07,939 \$6,01485 \$1,935,343 \$6,939,419,9074 \$2,266 \$3,677,562 \$0,2078 \$2,265 \$0,278 \$2,265 \$2,265 \$0,278 \$2,265 \$2,265 \$2,265 \$2,265 \$2,265 \$2,265 \$2,265 \$2,265 \$2,265	\$4,485,805 \$5,756,344 \$0,6006 \$1,336,4125 \$0,6006 \$1,336,4125 \$0,6006 \$1,344,865,805 \$1,425,807 \$0,4520 \$1,405,805 \$1,425,807 \$0,4520 \$1,405,805 \$1,405,804 \$1,405,805 \$1,756,344 \$0,6036 \$1,4465,805 \$1,756,344 \$0,6036 \$1,4465,805 \$1,756,344 \$0,6036 \$1,405,807,030 \$1,807,030 \$	### \$4.485.005

Issued: August 29 September 22, 2022 Effective Date: September 1, 2022 May 1, 2023 Authorized by NHPUC Order No. 26,599, in Docket No. DG 21-131, dated Geteber 29, 2021. & Order No. 626 in Docket No. DG 21-131, dated June 12, 2022.

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Fifteenth Sixteenth Revised Page 86
Superseding Fourteenth Fifteenth Page 86

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE RESIDENTIAL RATES

	Summer Winter Season May 2023 - October 2022 November 2022 - April 2023	Tariff Rates	Total Delivery Rates (Includes LDAC)		Total Billed Rates Tariff Rates, LDAC Plus Cost of Gas	
Residential Heating	Tariff Rate R 5: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.0816 \$0.1845 \$1.1204 \$1.1289	\$ 1.0082 <u>\$1.1</u>	\$22.20 111	\$ 2.1286	\$22.20 <u>\$2.2400</u>
Residential Heating Low income	Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.0816 \$0.1845 \$1.1204 \$1.1289 \$0.0000 (\$9.9900) \$0.0000 (\$0.5042) (\$0.5080)	\$1.0082 <u>\$1.1</u> \$0.0000 <u>(\$0.4</u>	(\$9.99)	\$2.1286 \$0.0000	\$22.20 \$2.2400 (\$9.99) (\$0.9250)
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$1.4053 \$0.0816 \$0.1845 \$1.1204 \$1.1289	\$1.4869 <u>\$1.5</u>	\$22.20 898	\$ 2.6073	\$22.20 <u>\$2.7187</u>

^{*:} Discount applicable to winter months November through April only.

Issued: September 822, 2022 Issued by:
Effective: With Service Rendered On and After September November 1, 2022 Title:
Authorized by NHPUC Order Nos. 26,539 in Docket Nos. DG 24-131 , dated October 29, 2021 Senior Vice President

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Sixteenth Seventeenth Revised Page 86 Superseding Fifeenth Sixteenth Page 86

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE RESIDENTIAL RATES

Residential Heating	Winter Summer Season May 2023 - October 2023 November 2022 - April 2023 Tariff Rate R 5: Monthly Customer Charge All usage LDAC	Tariff Rates \$22.20 \$0.9266 \$0.1845	Delive	otal ry Rates es LDAC) \$22.20 \$1.1111	Tariff Ra	tes, LDAC est of Gas \$22.20 \$1.8027
	Gas Cost Adjustment: Cost of Gas	\$1.1289 <u>\$0.6916</u>				
Residential Heating Low income	Tariff Rate R 10: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$0.9266 \$0.1845 \$1.1289 \$0.6916		\$22.20 \$1.1111	\$ 2.2400	\$22.20 <u>\$1.8027</u>
Discount Discount Discount Discount	Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	(\$9.99) \$0.0000 (\$0.4170) \$0.0000 \$0.0000 \$0.0000 (\$0.5080) \$0.0000	(\$9.99) (\$0.4170)	\$0.0000 \$0.0000	(\$9.99) (\$0.9250)	\$0.0000 \$0.0000
Residential Non-Heating	Tariff Rate R 6: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$22.20 \$1.4053 \$0.1845 \$1.1289 \$0.6916		\$22.20 \$1.5898	\$ 2.7187	\$22.20 <u>\$2.2814</u>

^{*:} Discount applicable to winter months November through April only.

Issued: September 8 22, 2022 Issued by:

Effective: With Service Rendered On and After September 1, 2022May 1, 2023

Authorized by NHPUC Order Nos. 26,539 in Docket Nos. DG 21-131 dated October 29, 2021 Senior Vice President

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Fourteenth Fifteenth Revised Page 88 Superseding Thirteenth Fourteenth Page 88

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE C & I RATES

	Summer Winter Season		Total	Total Billed Rates		
	May 2022- October 2022	Tariff	Delivery Rates	Tariff Rates, LDAC		
	November 2022 - April 2023	Rates	(Includes LDAC)	Plus Cost of Gas		
C&I Low Annual/High Winter	Tariff Rate G 40: Monthly Customer Charge All usage LDAC	\$80.00 \$0.2556 \$0.0504 \$0.0488	\$80.00 \$0.3060 \$0.3044	\$80.00 \$1.4533 \$1.4472		
	Gas Cost Adjustment: Cost of Gas	\$ 1.1473 \$ <u>1.1428</u>				
C&I Low Annual/Low Winter	Tariff Rate G 50: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$80.00 \$0.2359 \$0.0504 \$1.0768 \$1.0536	\$80.00 \$0.2863 \$0.2847	\$80.00 \$ 1.3631 \$1.3383		
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$225.00 \$0.2883 \$0.0504 <u>\$0.0488</u>	\$225.00 \$0.3387 \$0.3371	\$225.00 \$1.4799		
	Cost of Gas	\$1.1473 \$1.1428				
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$225.00 \$0.1770 \$0.0504 \$1,0768 \$1,0768	\$225.00 \$0.2258	\$225.00 \$1.3042 \$1.2794		
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,350.00 \$0.2185 \$0.0504 \$1,1473 \$1,1428	\$1,350.00 \$0.2689 \$0.2673	\$1,350.00 \$1.4162 \$1.4101		
201111111111111111111111111111111111111				1		
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment:	\$1,350.00 \$0.1096 <u>\$0.1796</u> \$0.0504 <u>\$0.0488</u>	\$1,350.00 \$0.1600 \$0.2284	\$1,350.00 \$1.2368 \$1.2820		
	Cost of Gas	\$1.0768 \$1.0536				

 Issued: September 822, 2022
 Issued by:
 Robert B. Hevert

 Effective: With Service Rendered On and After September 1, 2022
 Title:
 Senior Vice President

Authorized by NHPUC Order Nos. 26,539 _____in Docket Nos. DG 21-131 _____, dated October 29, 2021 _____

NHPUC No. 12 - Gas NORTHERN UTILITIES, INC. Fifteenth Sixteenth Revised Page 88 Superseding Fourteenth Fifteenth Page 88

NORTHERN UTILITIES - NEW HAMPSHIRE DIVISION CURRENTLY EFFECTIVE C & I RATES

	Winter Summer Season May 2023 - October 2023 November 2022 - April 2023	Tariff Rates	Total Delivery Rates (Includes LDAC)	<u>Total Billed Rates</u> Tariff Rates, LDAC Plus Cost of Gas
C&I Low Annual/High Winter	Tariff Rate G 40: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$80.00 \$0.2556 \$0.0488 \$1.1428 \$0.7383	\$80.00 \$0.3044	\$80.00 \$1.4472 \$1.0427
C&I Low Annual/Low Winter	Tariff Rate G 50: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$80.00 \$0.2359 \$0.0488 \$1.0536 \$0.6331	\$80.00 \$0.2847	\$80.00 \$1.3383 \$0.9178
C&I Medium Annual/High Winter	Tariff Rate G 41: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$225.00 \$0.2883 \$0.0488 \$1.1428 \$0.7383	\$225.00 \$0.3371	\$225.00 \$1.4799 \$1.0754
C&I Medium Annual/Low Winter	Tariff Rate G 51: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$225.00 \$0.1770 \$0.0488 \$1.0536 \$0.6331	\$225.00 \$0.2258	\$225.00 \$1.2794 \$0.8589
C&I High Annual/High Winter	Tariff Rate G 42: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,350.00 \$0.2185 \$0.0488 \$1.1428 \$0.7383	\$1,350.00 \$0.2673	\$1,350.00 \$1.4101 \$1.0056
C&I High Annual/Low Winter	Tariff Rate G 52: Monthly Customer Charge All usage LDAC Gas Cost Adjustment: Cost of Gas	\$1,350.00 \$0.1796 \$0.0488 \$1.0536 \$0.6331	\$1,350.00 \$0.2284 \$0.1584	\$1,350.00 \$1.2820 \$0.7915

 Issued:-September 8 22, 2022
 Issued by:
 Robert B. Hevert

 Effective: With Service Rendered On and After September 1, 2022 May 1, 2023
 Title:
 Senior Vice President

Authorized by NHPUC Order Nos. 26,539 _____in Docket Nos. DG 21-131 _____, dated October 29, 2021 ____

Fourth-Fifth Revised Page 158 Superseding Third-Fourth Revised Page 158

VII. DELIVERY SERVICE TERMS AND CONDITIONS (continued)

Appendix D

Re-entry Surcharge and Conversion Surcharge (continued)

D. Information to be Filed with the Commission:

As part of the annual Cost of Gas filing, the Company shall file with the Commission a report showing the number of customers assessed the Re-entry Surcharge and the Conversion Surcharge and the amount of revenue received for each charge through the prior April 30. Pursuant to the Company's Cost of Gas Clause, the Company will apply such revenues as credits to the Company's New Hampshire Division Cost of Gas.

The following Re-entry Surcharge and Conversion Surcharge shall be applicable for the periods of November 1, 2021-2022 through April 30, 2022-2023 and May 1, 2022-2023 through October 20222023.

Effective Dates:	November 1, 2021 <u>2022</u> – April 30, 2022 <u>2023</u>	May 1, 2022 <u>2023</u> – October 30, 2022 <u>2023</u>
Re-entry Surcharge:	\$0. 0000 - <u>0724</u> per therm	\$0.0000 per therm
Conversion Surcharge, Low Load Factor (G-40, G-41, G-42):	\$ 0.7543 1.5529 per therm	\$0.0000 per therm
Conversion Surcharge, High Load Factor (G-50, G-51, G-52):	\$ 0.8641 1.6421 per therm	\$0.0000 per therm

Issued: November 4, 2021 September 22, 2022 Issued by: Robert B. Hevert

Senior Vice President Effective: November 1, 20212022 Title:

Authorized by NHPUC Order No. 26,539 in Docket No. DG 21 131

dated October 29, 2021

REVISED ATTACHMENT NUI-CAK-10 FORM III Schedule 1

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION SCHEDULE 1: SUMMARY OF ANNUAL BALANCE August 2021 - October 2022

AMOUNT

		AMOUNI	
Annual Beginning Balance Less: Reported Collections Add: Cost of Firm Gas Allowable Add: Interest	\$ \$ \$	(3,085,000) (41,330,648) 41,873,686 (121,100)	FORM III SCHEDULE 2 FORM III SCHEDULE 3 FORM III SCHEDULE 4 FORM III SCHEDULE 2
Annual Ending Balance	\$	(2,663,062)	
Summer Season Reconciliation	\$	94,114	FORM III ATTACHMENT F
Winter Season Reconciliation	\$	(2,757,176)	FORM III ATTACHMENT F

REVISED ATTACHMENT NUI-CAK-10 FORM III Schedule 2

NORTHERN UTILTIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION SCHEDULE 2: ADJUSTMENTS TO REPORTED SUMMER, WINTER AND ANNUAL ACCOUNTS August 2021 - October 2022 Acct 191

	<u>Aug-21</u>	<u>Sep-21</u>	Oct-21	Nov-21	<u>Dec-21</u>	<u>Jan-22</u>	Feb-22	<u>Mar-22</u>	Apr-22	<u>May-22</u>	<u>Jun-22</u>	<u>Jul-22</u>	[Aug-22	Estimated Sep-22	Oct-22	<u>To</u>	otal_
Inital Account Beginning Balance(1) Adjustment	\$(3,091,269) \$ 6,269																
Adjusted Beginning Balance Plus: Cost of Firm Gas (Schedule 4)			\$ (982,516) \$ \$ 1.951.648 \$		\$ (415,953) \$ \$ 4.853.683		\$ (1,556,509) \$ 5.317.195		\$ (4,413,357) \$ 2,230,502	\$ (5,704,684) \$ \$ 1.814.523 \$		(4,171,359) \$ 1.304.370 \$	\$ (3,623,802) \$ \$ 1.652.041 \$		(2,522,360) 2,528,433	\$ 41.8	73.686
Less: Reported Collections (Schedule 3) Annual Account Ending Balance										\$ (1,106,837) \$ \$ (4,996,998) \$	(673,935) \$ (4,158,941) \$		(994,555) \$ (2,966,315) \$	(1,353,401) \$ (2,513,209) \$		\$ (41,3	30,648)
Month's Average Balance			\$ (362,454) \$				\$ (2,256,309)			\$ (5,350,841) \$			(3,295,058) \$				
Interest Rate (Prime Rate) Interest Applied	3.25% \$ (6,977)		3.25% \$ (982) \$	3.25% (215)	3.25% \$ (1,999) \$	3.25% \$ (3,542)	3.25% \$ (6,111)	3.25% \$ (9,974)	3.25% \$ (13,683)	3.25% \$ (14,492) \$	3.25% (12,418) \$	4.00% (12,970) \$	4.00% (10,984) \$	4.00% (9,151) \$	6.25% (13,469)	\$ (1	21,100)
Annual Account Ending Balance w/int	\$(2,074,098)	\$ (982,516)	\$ 256,626 \$	(415,953)	\$ (1,062,471)	\$ (1,556,509)	\$ (2,962,220)	\$ (4,413,357)	\$ (5,704,684)	\$ (5,011,489) \$	(4,171,359) \$	(3,623,802)	\$ (2,977,299) \$	(2,522,360)	(2,663,062)		

⁽¹⁾ Reflects ATV charges of \$6,211 plus interest, not included in the 2020-2021 reconciliation.

REVISED ATTACHMENT NUI-CAK-10 FORM III Schedule 3

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS August 2021 - October 2022

	<u>Aug-21</u>	<u>Sep-21</u>	Oct-21	<u>Nov-21</u>	<u>Dec-21</u>	<u>Jan-22</u>	<u>Feb-22</u>	<u>Mar-22</u>	<u>Apr-22</u>	<u>May-22</u>	<u>Jun-22</u>	<u>Jul-22</u>	Aug-22	Estimated ⁽¹⁾ Sep-22	Oct-22	<u>Total</u>
Accrued Revenue	\$ (20,383)	\$ (26,148) \$	123,726	\$ 1,827,473	\$ 594,965	\$ 641,860	\$ (410,161)	\$ (860,914)	\$ (504,541)	\$ (909,991)	\$ (241,998)	\$ (88,683)				
Billed Revenue	\$ 452,233	\$ 454,580 \$	587,798	\$ 1,987,702	\$4,903,238	\$ 6,660,260	\$ 7,126,956	\$ 6,251,082	\$ 4,012,686	\$ 2,016,828	\$ 915,933	\$ 832,526				
Calendarized Revenue	\$ 431,849	\$ 428,432 \$	711,525	\$ 3,815,175	\$ 5,498,203	\$ 7,302,120	\$ 6,716,795	\$ 5,390,169	\$ 3,508,145	\$ 1,106,837	\$ 673,935	\$ 743,843	\$ 994,555	\$ 1,353,401	\$ 2,655,666	\$ 41,330,648

FORM III Schedule 4 Page 1 of 4

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION SCHEDULE 4: PURCHASED GAS COSTS August 2021 - October 2022

-Estimated⁽¹⁾ **Commodity Costs** Aug-21 Sep-21 Oct-21 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 434.767 \$ 1,330,629 Citadel Energy 448,750 \$ 416,882 \$ 30,230 DTE Energy 54,410 \$ 55,209 \$ 62 508 93 098 96,770 \$ 51,147 \$ 36,265 \$ 449,406 Emera Energy Services Corp. 176,055 214,622 \$ 318,473 642,889 1,185,284 2,127,443 2,073,780 \$ 2,478,915 \$ 1,367,635 1,276,983 1,068,077 734,868 13,665,023 58.817 62.507 88.577 108.741 419,445 1,920,023 \$ 1,021,527 427.034 4,166,909 Repsol Shell 9,855 824.563 \$ 1.390.795 \$ 3.032.802 \$ 4.442.552 \$ 1.830.934 \$ Subtotal - Commodity \$ 290.705 \$ 338.503 \$ 443.488 \$ 3.917.324 \$ 1.276.983 \$ 1.068.077 \$ 765.098 19.621.823 Transportation Granite 101 116 \$ 126 254 419 \$ 507 \$ 304 \$ 187 \$ 163 118 S 3.039 548 \$ 677 Emera 57 45 81 \$ 186 458 \$ 1,058 \$ 885 \$ 424 331 \$ 200 4,950 Emera Energy Services 1,247 \$ 1,313 \$ 2,367 \$ 1,832 \$ 2,074 \$ 12 8 \$ 8,853 Maritimes (3,793) \$ 7,311 26,834 22,982 \$ 21.834 11,788 86,956 1,717 \$ 1,818 \$ 2,506 \$ 2,300 Tennessee 2,253 \$ 1,711 \$ 2,254 2,315 \$ 2,338 \$ 25,732 Subtotal - Commodity Transportation (1.381) \$ 2.145 \$ 2.258 \$ 31.725 \$ 2.899 \$ 2.855 \$ 129.530 1.925 \$ 11.147 \$ 29,420 \$ 27.169 \$ 16.934 \$ 2.433 3,944,397 \$ 1,847,812 \$ 4,471,277 \$ 19 944 082 Commodity Cost Estimates 340 536 \$ 445 304 \$ 826 567 \$ 1,401,523 \$ 3,024,667 \$ 1.281.905 \$ 1.070.814 \$ 767 435 \$ 521 844 \$ (340,536) \$ (445,304) \$ (1,401,523) \$ (4,471,277) \$ (3,944,397) \$ (1,847,812) \$ (1,281,905) \$ (1,070,814) \$ (826,567) \$ (3,024,667) \$ Commodity Cost Reversals (19,715,254) Subtotal - Estimates 47,520 \$ 104,768 \$ 381,263 \$ 574,956 \$ 1,623,144 \$ 1,446,610 \$ (526,880) \$ (2,096,585) \$ (565,907) \$ (211,092) \$ (303,379) \$ (245,591) 40,629,693 \$ 19,980,181 Subtotal - Supply \$ 336,844 \$ 445,416 \$ 826,675 \$ 1,401,777 \$ 3,025,087 \$ 4,511,138 \$ 3,945,092 \$ 1,847,908 \$ 1,281,962 \$ 1,068,790 \$ 767,553 \$ Withdrawal - Underground Storage 535,015 613,115 \$ 1,103,032 \$ 862,673 \$ 3,711,284 4,228 (7,135) \$ 52 (244)14,019 \$ 48,546 \$ (246,204) \$ (161,610) \$ 34,491 \$ ATV Reconciliation Charges (6,276) \$ (3,079) \$ (55,137) \$ (15,690) \$ (390,939) Off System Sales (33,131) \$ (19,114) \$ (713,954) \$ (256,926) \$ (13,782) \$ (1,036,906) Net OBA Adjustment 558 504 \$ (707) \$ (16.308) \$ (18,106) \$ (1,199) \$ (86 346) (4 169) \$ (1,065) \$ (26 245) \$ (16.203) \$ (3.330) \$ (76) (151,331) \$ (832,534) Company Managed (150,524) \$ (397,607) \$ (133,072) \$ 1.568 LNG Withdrawal / Boiloff 2.139 2 101 1.669 5 186 \$ 65.575 \$ 19.965 (943) \$ 3,446 \$ 2.817 \$ 2 959 \$ 2 865 109.345 Supplier Balancing (16,467) \$ 659 (79,193) \$ 30,458 \$ 147,211 733,243 \$ 65,326 \$ 7,695 22,608 36,550 948,091 Inventory Finance Charge 118 \$ 139 \$ 174 \$ 213 \$ 230 \$ 180 102 \$ 68 \$ 78 \$ 187 335 533 2,357 (3,959) \$ (13,634) \$ 9,890 \$ 471,953 \$ 423,507 \$ Subtotal - Other Commodity \$ 902,154 \$ 703,023 \$ 176,053 \$ (302,746) \$ (6,361) \$ 24,460 \$ 40,012 \$ 2,424,351 Sales for Resale Estimates (169,638) \$ (151,331) \$ (168,932) \$ (942,629) \$ (389,998) \$ (13,782) \$ (1,869,456) (33,146) \$ Sales for Resale Reversals 33.146 \$ 169.638 \$ 151.331 \$ 168.932 \$ 942.629 \$ 389,998 \$ 13.782 \$ 1 869 456 (17,601) \$ 552,630 \$ 376,216 \$ Subtotal - Estimates (33,146) \$ (136,492) \$ 18.306 \$ (773,697) \$ 13.782 \$ \$ **Total Commodity Costs** \$ 332,885 \$ 431,782 \$ 803,419 \$ 1,737,238 \$ 3,466,900 \$ 5,395,691 \$ 3,874,419 \$ 2,576,591 \$ 1,355,432 \$ 1,076,211 \$ 792,012 \$ 561,952 \$ 910,677 \$ 1,076,126 \$ 1,787,068 \$ 26,178,403

⁽¹⁾ Monthly estimates provided in Table 2 of Northern 's August 2022 Monthly Cost of Gas Report, submitted in DG 21-131 on August 12, 2022. Estimates updated for September 7, 2022 NYMEX prices

FORM III Schedule 4 Page 2 of 4

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION SCHEDULE 4: PURCHASED GAS COSTS August 2021 - October 2022

												_		-Estimated ⁽¹⁾		
Demand Costs	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	<u>Jul-22</u>	Aug-22	Sep-22	Oct-22	<u>Total</u>
Pipeline Reservation																
Alberta Northeast	\$ 5,836	\$ 4,195	\$ 4,381 \$	3,926 \$	- \$	- \$	- \$	- \$	- \$	- 9	- \$				\$	18,337
Algonquin	\$ 189,780	\$ 189,780	\$ 189,784 \$	189,784 \$	188,762 \$	190,281 \$	190,257 \$	190,105 \$	190,101 \$	190,248	182,497 \$	190,295			\$	2,271,674
Emera	\$ 428,069	\$ 425,072	\$ 437,606 \$	424,971 \$	415,710 \$	428,192 \$	422,117 \$	431,121 \$	427,337 \$	422,750	418,881 \$	420,526			\$	5,102,352
Emera Energy Services LLC	\$ -	\$ -	\$ 5,164 \$	2,102 \$	- \$	- \$	- \$	- \$	- \$	- 9	- \$					
Granite State	\$ 179,428	\$ 188,483	\$ 188,436 \$	295,526 \$	295,526 \$	295,526 \$	295,526 \$	295,526 \$	295,526 \$	188,943	188,943 \$	188,943			\$	2,896,332
Iroquois	\$ 14,060	\$ 14,060	\$ 14,060 \$	14,060 \$	14,098 \$	14,098 \$	14,098 \$	14,098 \$	14,098 \$	14,098	14,098 \$	14,098			\$	169,023
Maritimes	\$ 41,033	\$ 41,033	\$ 40,816 \$	40,231 \$	41,144 \$	41,144 \$	41,144 \$	41,144 \$	41,144 \$	41,144	41,144 \$	41,144				
Portland	\$ 393,492	\$ 393,493	\$ 385,262 \$	391,390 \$	390,838 \$	393,890 \$	393,890 \$	384,732 \$	393,890 \$	390,838	393,890 \$	390,838			\$	4,696,443
Tennessee	\$ 132,065	\$ 132,065	\$ 132,065 \$	132,065 \$	129,546 \$	129,546 \$	129,546 \$	129,546 \$	129,545 \$	129,546	129,546 \$	129,546			\$	1,564,627
Texas Eastern	\$ 2,787	\$ 2,793	\$ 2,793 \$	2,793 \$	2,801 \$	2,796 \$	2,796 \$	4,570 \$	4,570 \$	4,792	4,792 \$	4,792			\$	43,073
Total Pipeline Reservation	\$ 1,386,551	\$ 1,390,973	\$ 1,400,367 \$	1,496,849 \$	1,478,424 \$	1,495,472 \$	1,489,373 \$	1,490,841 \$	1,496,211 \$	1,382,358 \$	1,373,791 \$	1,380,181			\$	17,261,390
Product Demand																
Excelon	c _	\$ -	s - s	- S	145,596 \$	145,596 \$	145,596 \$	145.596 \$	145.596 \$	- 9	s	_			s	727.982
Repsol	\$ 327,778	T	\$ 327,778 \$	327,778 \$	328,660 \$	328.660 \$	328.660 \$	328.660 \$	328.660 \$	328.660		328,660			Š	3.940.393
Total Product Demand	\$ 327,778		\$ 327,778 \$	327,778 \$	474,257 \$	474,257 \$	474,257 \$	474,257 \$	474,257 \$	328,660					Š	4,668,376
Total Froduct Demand	Ψ 021,110	Ψ 021,110	Ψ 027,770 Ψ	027,770 0	474,207	414,201 \$	474,207 \$	414,201 ψ	414,201 ψ	020,000 (υ υν	020,000			•	4,000,010
Storage Pipeline Transportation and Demand																
Emera	\$ 96,749		\$ 96,749 \$	96,749 \$	97,010 \$	97,010 \$	97,010 \$	97,010 \$	97,010 \$						\$	1,163,075
Tennessee	\$ 4,169	7 1717	\$ 4,169 \$	4,169 \$	4,087 \$	4,087 \$	4,087 \$	4,087 \$	4,087 \$	4,087		4,087			\$	49,369
Total Storage & Demand Reservation	\$ 100,918	\$ 100,918	\$ 100,918 \$	100,918 \$	101,096 \$	101,096 \$	101,096 \$	101,096 \$	101,096 \$	101,096	101,096 \$	101,096			\$	1,212,444
Demand Cost Estimates	\$ 1,358,704	\$ 1,353,020	\$ 1,368,022 \$	1,522,892 \$	1,505,894 \$	1,516,102 \$	1,503,274 \$	1,511,785 \$	983,476 \$	978,047	981,815 \$	975,293			\$	15,558,325
Demand Cost Reversals	\$ (1,361,208)	\$ (1,358,704)	\$ (1,353,020) \$	(1,368,022) \$	(1,522,892) \$	(1,505,894) \$	(1,516,102) \$	(1,503,274) \$	(1,511,785) \$	(983,476)	(978,047) \$	(981,815)			\$	(15,944,240)
Subtotal	\$ (2,504)	\$ (5,684)	\$ 15,002 \$	154,870 \$	(16,999) \$	10,208 \$	(12,828) \$	8,511 \$	(528,308) \$	(5,429) \$	3,768 \$	(6,522)			\$	(385,915)
(0)																
Capacity Release ⁽²⁾	\$ (713,889)	\$ (715,524)	\$ (715,070) \$	(732,389) \$	(712,179) \$	(727,500) \$	(726,347) \$	(708,972) \$	(729,577) \$	(1,078,405)					\$	(9,716,627)
Company Managed	\$ -	\$ (24,425)	\$ - \$	(24,134) \$	(54,780) \$	(55,644) \$	- \$	(109,596) \$	(55,718) \$	(55,816)	(10,831) \$	(10,740)				
Other A&G Allowance	\$ -	\$ -	\$ - \$	35,756 \$	35,756 \$	35,756 \$	35,756 \$	35,756 \$	35,756 \$	- \$	- \$	-			\$	214,538
Local Production and Storage Allowance	\$ 18,154	\$ 18,154	\$ 19,137 \$	81,450 \$	81,450 \$	81,450 \$	81,450 \$	81,450 \$	81,450 \$	20,529	20,529 \$	20,529			\$	605,732
Conversion & Re-entry Fees	\$ (1)	\$ (2)	\$ (3) \$	(4) \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-			\$	(9)
Fuel Tax Recovery	\$ -	\$ -	\$ - \$	- \$	622 \$	- \$	- \$	- \$	- \$	- \$	- \$	3,458			\$	4,080
Outage Replacement Costs	\$ -	\$ -	\$ - \$	7,240 \$	- \$	- \$	- \$	- \$	- \$	335	- \$	-				
Total Indirect Demand Costs	\$ (695,736)	\$ (721,798)	\$ (695,936) \$	(632,079) \$	(649,131) \$	(665,937) \$	(609,140) \$	(701,362) \$	(668,088) \$	(1,113,357) \$	(1,072,936) \$	(1,060,894)			\$	(9,286,393)
Estimates - Cap Release & Comp Managed	\$ (9.294)	\$ (9,117)	\$ (9,017) \$	(51,780) \$	(52,644) \$	(51,807) \$	(51,789) \$	(52,718) \$	(52,816) \$	(7,831)	(7,740) \$	(7,842)			s	(364,394)
Reversals - Cap Release & Comp Managed			\$ 9,117 \$	9,017 \$	51,780 \$	52,644 \$	51,807 \$	51,789 \$	52,718 \$						Š	365,683
Subtotal	\$ (164)				(864) \$	836 \$	18 \$	(929) \$	(97) \$						Š	1,289
Gubiolai	Ş (164)	Ψ 1/0	y 53 \$	(42,103) \$	(004) \$	030 \$	10 \$	(323) \$	(31) \$,505 \$, 31 \$	(102)			•	1,209
Annual Demand Costs	\$ 1,116,843	\$ 1,092,365	\$ 1,148,229 \$	1,405,574 \$	1,386,783 \$	1,415,933 \$	1,442,776 \$	1,372,414 \$	875,070 \$	738,313	734,471 \$	742,419	741,365	741,365 \$	741,365 \$	15,695,283
Total Gas Costs	\$ 1,449,728	\$ 1,524,147	\$ 1,951,648 \$	3,142,812 \$	4,853,683 \$	6,811,624 \$	5,317,195 \$	3,949,005 \$	2,230,502 \$	1,814,523	1,526,484 \$	1,304,370	\$ 1,652,041 \$	1,817,491 \$	2,528,433 \$	41,873,686

⁽¹⁾ Monthly estimates provided in Table 2 of Northern 's August 2022 Monthly Cost of Gas Report, submitted in DG 21-131 on August 12, 2022. Estimates updated for September 7, 2022 NYMEX prices

⁽²⁾ Includes Asset Management Agreement Revenue

REDACTED

FORM III Schedule 4 Page 3 of 4

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - UNITS August 2021 - October 2022

Indicates Confidential Data

														Estimated ⁽¹⁾		
Commodity Volumes:	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	<u>Jun-22</u>	<u>Jul-22</u>	Aug-22	Sep-22	Oct-22	<u>Total</u>
Citadel Energy																
DTE Energy																
Emera Energy Services Corp.																
Repsol																
Shell																
Subtotal - Commodity Supply																
Transportation Volumes																
Granite																
Emera																
Emera Energy Services Maritimes																
Tennessee																
Subtotal - Commodity Transportation																
Commodity Volume Estimates																
Commodity Volume Reversals Subtotal - Estimates																
Subtotal - Estimates																
Subtotal - Supply																
Withdrawal - Underground Storage																
ATV Reconciliation Charges																
Off System Sales																
Net OBA Adjustment Company Managed																
LNG Withdrawal / Boiloff																
Supplier Balancing																
Inventory Finance Charge																
Subtotal - Other Commodity																
Sales for Resale Estimates																
Sales for Resale Reversals																
Subtotal - Estimates																
Total Commodity Volumes													109,042	120,812	236,943	
. Jan. Johnnouty Volumes													100,042	120,012	200,040	

⁽¹⁾ Monthly estimates provided in Table 2 of Northern's August 2022 Monthly Cost of Gas Report, submitted in DG 21-131 on August 12, 2022. Estimates updated for September 7, 2022 NYMEX prices

REDACTED

FORM III Schedule 4 Page 4 of 4

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN COST PER UNIT August 2021 - October 2022

Indicates Confidential Data

		maicates con	ilacillai Data											Estimated		
Commodity Costs per Unit:	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	<u>Total</u>
Commodity Costs per Onit.	<u>Aug-21</u>	<u>3ep-21</u>	<u> </u>	NOV-21	Dec-21	Jaii-22	reu-zz	IVIAI -ZZ	<u>Apr-22</u>	Way-ZZ	<u>Juli-22</u>	<u>Jui-22</u>	<u>Aug-22</u>	3ep-22	<u> </u>	<u>rotai</u>
Citadel																
DTE Energy																
Emera Energy Services Corp.													\$ -	\$ -	\$ -	
Repsol														φ -	φ -	
Shell																
#REF!																
#REF!																
Subtotal - Commodity Supply													n/a	n/a	n/a	
Granite																
Emera																
Maritimes																
Tennessee																
Subtotal - Commodity Transportation													n/a	n/a	n/a	
Common dita Cont Entirentes																
Commodity Cost Estimates																
Commodity Cost Reversals																
Subtotal - Estimates													n/a	n/a	n/a	
0.14.4.1.0																
Subtotal - Supply																
Withdrawal - Underground Storage																
ATV Reconciliation Charges																
Off System Sales																
Net OBA Adjustment																
Company Managed																
LNG Withdrawal / Boiloff																
Supplier Balancing																
Inventory Finance Charge																
Subtotal - Other Commodity													n/a	n/a	n/a	
0.00																
Off System Sales Estimates																
Off System Sales Reversals																
Subtotal - Estimates																
Total Commodity Costs per unit													n/a	n/a	n/a	

ATTACHMENT NUI-CAK-10 FORM III Schedule 5

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION 2021-22 ANNUAL COG RECONCILIATION SCHEDULE 5: PURCHASED AND MADE VOLUMES August 2020 - July 2021

New Hampshire	<u>Aug-21</u>	<u>Sep-21</u>	Oct-21	<u>Nov-21</u>	<u>Dec-21</u>	<u>Jan-22</u>	Feb-22	<u>Mar-22</u>	<u>Apr-22</u>	<u>May-22</u>	<u>Jun-22</u>	<u>Jul-22</u>	<u>Total</u>
Throughput IN													
BTU Factor	1.03	1.031	1.032	1.035	1.038	1.045	1.041	1.032	1.033	1.033	1.03	1.03	
GST Meter Throughput (MCF)	340,320	351,408	459,510	748,758	889,474	1,261,618	1,008,910	886,100	626,997	433,341	355,913	319,407	7,681,756
Salem Meter (MCF)	13,564	14,462	21,702	46,909	65,683	93,668	70,882	57,250	35,197	19,773	14,624	12,447	466,161
GST Meter Throughpurt (DTH)	350,530	362,302	474,214	774,965	923,274	1,318,391	1,050,275	914,455	647,688	447,641	366,590	328,989	7,959,314
Salem Meter (DTH)	13,971	14,910	22,396	48,551	68,179	97,883	73,788	59,082	36,359	20,426	15,063	12,820	483,428
LNG/Propane													-
Total Throughput	364,501	377,212	496,611	823,515	991.453	1,416,274	1.124.063	973,537	684,046	468,067	381.653	341,810	8,442,742
Throughput OUT	004,001	011,212	400,011	020,010	001,400	1,410,214	1,124,000	070,007	004,040	400,007	001,000	041,010	0,442,742
Residential Gas													
Charged	35.197	34,821	43,485	116.661	243,350	336.974	360.490	293.847	176.136	108.521	48.742	36.040	1.834.264
Uncharged Current	17,907	17,818	27,656	114,951	156,101	219,026	173,908	112,639	91,632	61,708	24,159	19,923	1,037,428
Uncharged Prior	(18,971)	(17,907)	(17,818)	(27,656)	(114,951)	(156,101)	(219,026)	(173,908)	(112,639)	(91,632)	(61,708)	(24,159)	(1,036,476)
· ·	, , ,	, , ,	, , ,	, , ,	, ,	, ,	, ,	, ,	, , ,	, ,	, , ,	, , ,	,
Total Residential Gas	34,133	34,732	53,323	203,956	284,500	399,899	315,372	232,578	155,129	78,597	11,193	31,804	1,835,216
Interruptible				-	-	-	-	-	-	-	-	-	-
Commercial/Industrial Gas													
Charged	57,552	58,183	70,080	148,143	280,843	390,268	414,781	330,019	206,545	130,581	69,713	56,034	2,212,742
Uncharged Current	29.281	29.772	44,570	121.670	172.688	242,037	203,039	134.006	111.982	74.252	34,553	30.976	1.228.826
Uncharged Prior	(38,707)	(29,281)	(29,772)	(44,570)	(121,670)	(172,688)	(242,037)	(203,039)	(134,006)	(111,982)	(74,252)	(34,553)	(1,236,557)
9	, , ,	, ,	, ,	, , ,	, ,	, ,	, ,	(, ,	, ,	, ,	(, ,	, , ,	(, , , ,
Total C/I Gas	48,126	58,674	84,878	225,243	331,861	459,617	375,783	260,986	184,521	92,851	30,014	52,457	2,205,011
Transportation													
Charged	273,159	273,788	300,567	365,727	399,260	494,559	475,783	466,008	382,231	327,505	278,593	252,114	4,289,294
Uncharged Current	92,203	90,530	131,612	191,535	202,192	241,728	191,636	158,391	160,567	130,740	88,236	88,983	1,768,353
Uncharged Prior	(93,246)	(92,203)	(90,530)	(131,612)	(191,535)	(202,192)	(241,728)	(191,636)	(158,391)	(160,567)	(130,740)	(88,236)	(1,772,616)
Total Transportation	272,116	272,115	341,649	425,650	409,917	534,095	425,691	432,763	384,407	297,678	236,089	252,861	4,285,031
rotal francportation	2.2,0	2,2,	011,010	120,000	100,011	001,000	120,001	102,100	001,101	201,010	200,000	202,001	-1,200,001
Company Use	106	116	83	64	167	298	1,231	423	834	88	389	924	4,724
Total Throughput OUT	354,481	365,637	479,933	854,913	1,026,445	1,393,909	1,118,077	926,750	724,891	469,214	277,685	338,046	8,329,982
Total Throughput IN	364,501	377,212	496,611	823,515	991,453	1,416,274	1,1124,063	973,537	684,046	468,067	381,653	341,810	8,442,742
				(0.1.00=)	(0.1.005)				(10.01=)				
Difference IN/OUT %	10,019	11,575	16,678	(31,398)	(34,992)	22,365	5,987	46,787	(40,845)	(1,147)	103,968	3,764	112,761 1.34%

Docket No. DG 22-059 Exhibit 4

REVISED Attachment A

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION DEFERRED WORKING CAPITAL ALLOWANCE ON PURCHASED GAS COSTS August 2021 - October 2022

ANNUAL BALANCE SEASON - Acct 173

	BALANCE ALLOWANCE (1) PERCE			WORKING CAP	WORKING CAP DEFERRED	ENDING BALANCE	AVE MONTHLY BALANCE	INTEREST RATE	INTEREST	ENDING BAL W/ INTEREST	
		Α	В	C	D	E = B + D	F = A + E	G = (A + F) / 2	H	I = G * (H / 12)	K = F + I + J
August 2021	\$	(7,882)						,		,	
Adjustment	\$	6									
August 2021	\$	(7,876)	1,293	0.0892%	620	1,913	(5,963)	(6,919)	3.25%	(19)	(5,981)
September	\$	(5,981)	1,360	0.0892%	616	1,976	(4,006)	(4,994)	3.25%	(14)	(4,019)
October	\$	(4,019)	1,741	0.0892%	899	2,640	(1,380)	(2,699)	3.25%	(7)	(1,387)
November	\$	(1,387)	2,803	0.0892%	(1,722)	1,082	(305)	(846)	3.25%	(2)	(307)
December	\$	(307)	4,329	0.0892%	(3,523)	807	499	96	3.25%	0	500
January 2022	\$	500	6,076	0.0892%	(4,862)	1,214	1,714	1,107	3.25%	3	1,717
February	\$	1,717	4,743	0.0892%	(4,275)	468	2,185	1,951	3.25%	5	2,190
March	\$	2,190	3,523	0.0892%	(3,059)	463	2,654	2,422	3.25%	7	2,660
April	\$	2,660	1,990	0.0892%	(2,009)	(19)	2,641	2,651	3.25%	7	2,648
May	\$	2,648	1,619	0.0892%	(462)	1,156	3,805	3,227	3.25%	9	3,813
June	\$	3,813	1,362	0.0892%	(116)	1,246	5,060	4,436	3.25%	12	5,072
July	\$	5,072	1,432	0.1098%	(220)	1,212	6,283	5,677	4.00%	19	6,302
Estimated August	\$	6,302	1,814	0.1098%	(1,100)	714	7,016	6,659	4.00%	22	7,038
Estimated September	\$	7,038	1,996	0.1098%	(1,200)	796	7,834	7,436	4.00%	25	7,859
Estimated October	\$	7,859	3,540	0.1400%	(2,200)	1,340	9,199	8,529	6.25%	44	9,243

(1) Working Capital Allowance calculated by taking monthly Total Gas Costs from Schedule 4, Page 2, and multiplying by (9.30/366)* prime interest rate.

Summer Season Sales Percentage	80.46% 19.54%
Reconciliation Allocated to Winter Season	\$ 7,437
Reconciliation Allocated to Summer Season	\$ 1,807

Docket No. DG 22-059 Exhibit 4

REVISED Attachment B

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION BAD DEBT EXPENSE - CALCULATION OF COLLECTION ALLOWANCE August 2021 - October 2022

ANNUAL BALANCE- Acct 173

	BEGINNING	ACUTAL	BAD DEBT	DEFERRED	ENDING	AVE MO	INTEREST		END BAL
	BALANCE	BAD DEBT	COLLECTIONS	BALANCE	BALANCE	BALANCE	RATE	<u>INTEREST</u>	W/ INTEREST
	Α	В	С	D = B + C	E = A + D	F = (A + E) / 2	G	H = (F *G) / 12	J = E + H + I
August 2021	(\$96,653)	28,289	(1,498)	26,791	(69,862)	(83,258)	3.25%	(225)	(70,088)
September	(\$70,088)	24,580	(1,487)	23,093	(46,995)	(58,541)	3.25%	(159)	(47,153)
October	(\$47,153)	5,278	(2,261)	3,017	(44,136)	(45,645)	3.25%	(124)	(44,260)
November	(\$44,260)	8,836	(8,894)	(58)	(44,318)	(44,289)	3.25%	(120)	(44,438)
December	(\$44,438)	14,798	(12,332)	2,465	(41,973)	(43,206)	3.25%	(117)	(42,090)
January 2022	(\$42,090)	(10,232)	(17,035)	(27,267)	(69,357)	(55,723)	3.25%	(151)	(69,508)
February	(\$69,508)	4,559	(14,971)	(10,412)	(79,920)	(74,714)	3.25%	(202)	(80,123)
March	(\$80,123)	10,087	(10,718)	(631)	(80,754)	(80,438)	3.25%	(218)	(80,972)
April	(\$80,972)	3,792	(7,032)	(3,240)	(84,212)	(82,592)	3.25%	(224)	(84,435)
May	(\$84,435)	3,982	835	4,817	(79,618)	(82,027)	3.25%	(222)	(79,840)
June	(\$79,840)	11,494	(3)	11,490	(68,350)	(74,095)	3.25%	(201)	(68,551)
July	(\$68,551)	15,551	50	15,601	(52,950)	(60,750)	4.00%	(203)	(53,152)
Estimated August	(\$53,152)	15,000	(850)	14,150	(39,002)	(46,077)	4.00%	(154)	(39,156)
Estimated September	(\$39,156)	15,000	(875)	14,125	(25,031)	(32,093)	4.00%	(107)	(25,138)
Estimated October	(\$25,138)	15,000	(1,000)	14,000	(11,138)	(18,138)	6.25%	(94)	(11,232)
Winter Season Allocation Summer Season Allocation			95.00% 5.00%						
Reconciliation Allocated to	Winter Season		\$ (10,671)						

(562)

Reconciliation Allocated to Summer Season

Attachment C

Northern Utilities, Inc. - New Hampshire Division Environmental Response Costs

May 2021 - October 2022

		Beginning Balance	Firm Sales and Transportation (therms)	ERC Rate Recoveries /Passback	i	Current ERC Recoveries/ Passbacks		Ending Balance
May 2021	(act)	\$ 124,683	4,655,705	\$ 0.0061	\$	28,409	\$	96,273.40
June 2021	(act)	\$ 96,273	2,985,287	\$ 0.0061	\$	18,225	\$	78,048.39
July 2021	(act)	\$ 78,048	2,992,333	\$ 0.0061	\$	18,264	\$	59,784.48
August 2021	(act)	\$ 59,784	2,739,797	\$ 0.0061	\$	16,722	\$	43,062.12
September 2021	(act)	\$ 43,062	2,699,225	\$ 0.0061	\$	16,475	\$	26,586.85
October 2021	(act)	\$ 26,587	3,205,050	\$ 0.0061	\$	19,518	\$	7,068.90
November 2021	(act)		(1) 5,403,127	\$ 0.0059	(2) \$	31,069	•	408,593.38
December 2021	(act)	\$ 408,593	8,703,876	\$ 0.0056	(Z) \$	48,743		359,849.98
January 2022	(act)	\$ 359,850	11,396,267	\$ 0.0056	\$	63,820	•	296,030.31
February 2022	(act)	\$ 296,030	11,590,946	\$ 0.0056	\$	64,913		231,117.39
March 2022	·	\$ 230,030	9,836,237	\$ 0.0056	\$	55,086	•	176,030.99
	(act)			 0.0056		•	•	,
April 2022	(act)	\$ 176,031	6,649,114	\$	\$	37,236	•	138,795.15
May 2022	(act)	\$ 138,795	4,690,240	\$ 0.0056	\$	26,265	:	112,529.85
June 2022	(act)	\$ 112,530	2,964,732	\$ 0.0056	\$	16,612	\$	95,917.63
July 2022	(act)	\$ 95,918	2,992,333	\$ 0.0056	\$	14,181	\$	81,736.95
August 2022	(est)	\$ 81,737	2,844,678	\$ 0.0056	\$	15,930	\$	65,807
September 2022	(est)	\$ 65,807	2,905,960	\$ 0.0056	\$	16,273	\$	49,533
October 2022	(est)	\$ 49,533	3,974,739	\$ 0.0056	\$	22,259	\$	27,275

⁽¹⁾ November Beginning Balance includes \$421,540 amortization from all prior years at 1/7 of annual costs. (See Section 4.7 of Tariff.)

⁽²⁾ November Current ERC Recoveries/Passbacks reflect an Average ERC Rate based on actual Firm Sales and Transportation (therms) at \$0.0056 and actual Firm Sales and Transportation (therms) at \$0.0061.

Attachment D

NORTHERN UTILITIES NEW HAMPSHIRE DIVISION RLIARA Reconciliation May 2021 - October 2022

												Average				E	nding
		-	Beginning	Program	R	egulatory	- 1	RLIARA		Ending		Monthly	Interest	Interest		Balance	
			<u>Balance</u>	<u>Costs</u>	As:	sessments	Re	ecoveries		Balance	<u>Balance</u>		<u>Rate</u>	<u>Interest</u>		w/Interest	
			Α	В		С		D		= A+B+C-D	F = (A+E)/2		G	H = F	F*(G/12)	I	= E+H
May 2021	Actual	\$	46,388	\$ 16,330	\$	6,893	\$	20,483	\$	49,127	\$	47,757	3.25%	\$	129	\$	49,257
June 2021	Actual	\$	49,257	\$ 756	\$	6,893	\$	13,128	\$	43,777	\$	46,517	3.25%	\$	126	\$	43,903
July 2021	Actual	\$	43,903	\$ -	\$	6,893	\$	13,163	\$	37,633	\$	40,768	3.25%	\$	110	\$	37,744
August 2021	Actual	\$	37,744	\$ -	\$	6,893	\$	12,052	\$	32,585	\$	35,164	3.25%	\$	95	\$	32,680
September 2021	Actual	\$	32,680	\$ -	\$	6,893	\$	11,873	\$	27,700	\$	30,190	3.25%	\$	82	\$	27,782
October 2021	Actual	\$	27,782	\$ -	\$	6,893	\$	14,187	\$	20,488	\$	24,135	3.25%	\$	65	\$	20,554
November 2021	Actual	\$	20,554	\$ 6,085	\$	6,893	\$	29,823	\$	3,709	\$	12,131	3.25%	\$	33	\$	3,742
December 2021	Actual	\$	3,742	\$ 49,453	\$	(17,524)	\$	52,223	\$	(16,552)	\$	(6,405)	3.25%	\$	(17)	\$	(16,570)
January 2022	Actual	\$	(16,570)	\$ 59,907	\$	15,279	\$	68,394	\$	(9,778)	\$	(13,174)	3.25%	\$	(36)	\$	(9,813)
February 2022	Actual	\$	(9,813)	\$ 65,169	\$	15,279	\$	69,548	\$	1,087	\$	(4,363)	3.25%	\$	(12)	\$	1,075
March 2022	Actual	\$	1,075	\$ 69,903	\$	15,279	\$	59,016	\$	27,242	\$	14,159	3.25%	\$	38	\$	27,280
April 2022	Actual	\$	27,280	\$ 49,438	\$	15,279	\$	39,734	\$	52,263	\$	39,772	3.25%	\$	108	\$	52,371
May 2022	Actual	\$	52,371	\$ 23,931	\$	-	\$	19,779	\$	56,523	\$	54,447	3.25%	\$	147	\$	56,671
June 2022	Actual	\$	56,671	\$ -	\$	-	\$	9,792	\$	46,879	\$	51,775	3.25%	\$	140	\$	47,019
July 2022	Actual	\$	47,019	\$ -	\$	-	\$	8,335	\$	38,684	\$	42,852	4.00%	\$	143	\$	38,827
August 2022	Est.	\$	38,827	\$ -	\$	(61,116)	\$	9,387	\$	(31,677)	\$	3,575	4.00%	\$	12	\$	(31,665)
September 2022	Est.	\$	(31,665)	\$ -	\$	-	\$	9,590	\$	(41,254)	\$	(36,460)	4.00%	\$	(122)	\$	(41,376)
October 2022	Est.	\$	(41,376)	\$ -	\$	-	\$	13,117	\$	(54,493)	\$	(47,934)	4.00%	\$	(160)	\$	(54,652)

⁽¹⁾ RLIAP renamed GAPRA and subsequently renamed GAP when Regulatory Assessments were removed to the RAAM.

Attachment E Page 1 of 2

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION SALES VARIANCE ANALYSIS

	<u>Aug-21</u>	<u>Sep-21</u>	Oct-21	<u>Nov-21</u>	<u>Dec-21</u>	<u>Jan-22</u>	Feb-22	<u>Mar-22</u>	<u>Apr-22</u>	May-22	<u>Jun-22</u>	<u>Jul-22</u>	TOTAL
Forecast Bill Month Sales Actual Sales	90,987 92,750	90,776 93,004	107,884 113,565	342,850 264,805	554,368 524,192	761,365 727,242	806,334 775,272	611,422 623,867	457,594 382,680	270,287 239,103	147,721 118,454	105,641 92,074	4,347,230 4,047,008
Difference	1,763	2,228	5,681	(78,045)	(30,176)	(34,123)	13,698	12,444	(74,914)	(31,185)	(29,267)	(13,567)	(300,222)
Normal Bill Month Actual Sales Actual Sales	92,750 92,750	93,004 93,004	130,320 113,565	288,219 264.805	560,188 524,192	741,134 727,242	745,200 775.272	679,792 623,867	406,349 382,680	235,589 239,103	118,454 118,454	92,074 92,074	4,183,073 4,047,008
Weather Variance	-	-	16,755	23,415	35,995	13,892	(30,072)	55,925	23,669	(3,514)	-	-	136,065
Total Variance Excluding Weather (excl weather effect)	1,763	2,228	22,435	(54,630)	5,820	(20,231)	(16,374)	68,370	(51,244)	(34,699)	(29,267)	(13,567)	(164,157)

Variance-difference due to meter count
-difference in load pattern

(413,641)

113,420

Total Sales Variance (300,222)

Attachment NUI-CAK-10 Attachment E Page 2 of 2

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION SALES VARIANCE ANALYSIS

NORMAL MMBtu

METERS

	2021-22 Forecast	2021-22 Actual	Difference		2021-22 Forecast	2021-22 Actual	Difference
Res Heat Res General	2,006,153 23,230	1,809,996 24,270	(196,157) 1,039		315,704 15,014	329,377 15,472	13,673 458
Total Res	2,029,383	1,834,265	(195,117)	•	330,718	344,849	14,131
G-40 G-50 G-41 G-51	972,370 148,423 737,039 241,080	891,276 150,543 670,532 256,939	(81,093) 2,119 (66,506) 15,859		53,776 8,875 4,942 1,891	56,201 9,154 4,547 1,754	2,425 279 (395) (137)
G-42 G-52	145,782 73,153	174,692 68,761	28,909 (4,392)		131 29	162 36	32 [′]
Total C & I	2,317,847	2,212,743	(105,104)		69,643	71,854	2,211
Total Company	4,347,230	4,047,008	(300,222)		400,361	416,703	16,342

NORMAL AVERAGE USE

				Change in Sa	les Due to		
	2021-22	2021-22		Change	e In:	Total Chg	%
	Forecast	Actual	Difference	Meter Count L	oad Pattern	MMBtu	Difference
Res Heat	6.35	5.50	(0.86)	86,886	(283,042)	(196,157)	-9.78%
Res General	1.55	1.57	0.02	709	331	1,039	4.47%
Total Res	7.90	7.06	(0.84)	87,594	(282,712)	(195,117)	-9.61%
G-40	18.08	15.86	(2.22)	43,844	(124,937)	(81,093)	-8.34%
G-50	16.72	16.45	(0.28)	4,662	(2,542)	2,119	1.43%
G-41	149.14	147.47	(1.67)	(58,909)	(7,597)	(66,506)	-9.02%
G-51	127.52	146.49	18.97	(17,407)	33,265	15,859	6.58%
G-42	1,117.10	1,078.34	(38.76)	35,189	(6,279)	28,909	19.83%
G-52	2,544.45	1,910.03	(634.42)	18,447	(22,839)	(4,392)	-6.00%
Total C & I	33.28	30.79	(2.49)	25,825	(130,930)	(105,104)	-4.53%
Total Company	10.86	9.71	(1.15)	113,420	(413,641)	(300,222)	-6.91%

REVISED Attachment F Page 1 of 1

Northern Utilities, Inc. Winter and Summer Season Reconciliations

Section	

	April 30, 2022 COG Balance - All compone	ents	
1	Actual	-\$5,786,471	Sum of Schedule 2, Atts A & B
2	Target Balance	-\$5,202,006	Table 3 - Monthly COG Reports
4	Total Over-collection - All Components	-\$584,465	LN 2 - LN 1
5	Less Working Capital Balance	\$2,648	Attachment A
6 7	Less Bad Debt Balance	-\$84,435	Attachment B
8 9	Demand & Commodity Over-collection	-\$502,678	LN 4 - Ln 5 - LN 6
10 11	AMA Adjustment	-\$2,247,007	LN 26
12 13	Interest	-\$7,490	LN 20 - Section B October
14 15	Winter Demand & Commodity Balance	-\$2,757,176	LN 8 + LN 10 + LN 12
16 17	Annual Reconciliation Balance	-\$2,663,062	Schedule 1
18 19	Summer Reconciliation Balance	\$94,114	LN 16 - LN 14
20	Monthly AMA Revenue		
21	April 21 to March 22		Annual Revenue / 12
22 23	April 22 to March 23	\$714,232	Annual Revenue / 12
24 25	Monthly Increase in AMA Revenue	\$374,501	LN 22- LN 21
26	AMA revenue impact May to Oct	\$2,247,007	LN 24 * 6

Section B

	AMA Adjustment	& Interest					
	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Total
Starting balance	\$0.00	\$1,014.27	\$2,028.55	\$3,276.89	\$4,525.22	\$5,773.56	
AMA Adjustment	\$374,501	\$374,501	\$374,501	\$374,501	\$374,501	\$374,501	\$2,247,007
Interest Rate	3.25%	3.25%	4.00%	4.00%	4.00%	5.50%	
Monthly Interest	\$1,014.27	\$1,014.27	\$1,248.34	\$1,248.34	\$1,248.34	\$1,716.46	
Total interest	\$1,014.27	\$2,028.55	\$3,276.89	\$4,525.22	\$5,773.56	\$7,490.02	

Summer

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-12 Page 1 of 4

Northern Utilities NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

Sales Revenues		(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)
Volumes	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Residential Heat & Non Heat		2,220,775	3,207,847	3,784,334	3,243,890	2,759,086	1,590,808	788,321	510,680	436,331	439,981	488,035	985,408
Sales HLF Classes		382,966	553,184	652,597	559,399	475,796	274,330	476,611	308,752	263,801	266,008	295,061	595,768
Sales LLF Classes		2,088,065	3,016,150	3,558,187	3,050,039	2,594,207	1,495,743	598,639	387,802	331,343	334,115	370,606	748,304
Total		4,691,806	6,777,181	7,995,118	6,853,328	5,829,089	3,360,882	1,863,572	1,207,233	1,031,474	1,040,103	1,153,702	2,329,480
Rates		** ***	** ***	** ***	** ***	** ***		** ***	*****	******	** ***	** ***	** ***
Residential Heat & Non Heat CGA		\$1.1289	\$1.1289	\$1.1289	\$1.1289	\$1.1289	\$1.1289	\$0.6916	\$0.6916	\$0.6916	\$0.6916	\$0.6916	\$0.6916
Sales HLF Classes CGA Sales LLF Classes CGA		\$1.0536 \$1.1428	\$1.0536 \$1.1428	\$1.0536 \$1.1428	\$1.0536 \$1.1428	\$1.0536 \$1.1428	\$1.0536 \$1.1428	\$0.6331 \$0.7383	\$0.6331	\$0.6331 \$0.7383	\$0.6331 \$0.7383	\$0.6331 \$0.7383	\$0.6331
		\$1.1428	\$1.1428	\$1.1428	\$1.1428	\$1.1428	\$1.1428	\$0.7383	\$0.7383	\$0.7383	\$0.7383	\$0.7383	\$0.7383
Revenues Residential Heat & Non Heat		\$ (2,507,033)	\$ (3,621,339)	\$ (4,272,134)	\$ (3.662.027)	\$ (3,114,733) \$	(1,795,863)	(545,203)	\$ (353,186)	\$ (301,766)	\$ (304,291)	\$ (337,525) \$	(681,508)
Sales HLF Classes		\$ (403,493)	\$ (582.834)			\$ (501,299) \$	(289,034)						
Sales LLF Classes		\$ (2,386,240)				\$ (2,964,660) \$							
Total Sales			\$ (7,651,030)			\$ (6,580,691) \$		(1,288,921)					
		(-77	, , , , , , , , , , , ,	, (-,,,	, , , , , , , , , , , ,	, (-,,,	(-, -,,		, (,-,-,			. (. / / / /	(, , , , , ,
				Wi	nter					Sum	mer		
Gas Costs and Credits		(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)
	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Demand Costs (net of Capacity Assignment)													
Pipeline		\$ 617,837	\$ 617,837	\$ 617,837		\$ 617,837 \$			\$ 617,837	\$ 617,837		\$ 617,837 \$	617,837
Storage			\$ 645,439			\$ 645,439 \$			\$ 699,734	\$ 699,734		\$ 699,734 \$	699,734
On-system Peaking Off-System Peaking		\$ 196,790 \$ 752,299	\$ 196,790 \$ 752,299	\$ 196,790 \$ 752,299		\$ 196,790 \$ \$ 752,299 \$		-	\$ -	\$ - \$		\$ - \\$ \$ - \\$	-
Total Demand Costs		\$ 752,299	\$ 752,299 \$ 2.212.365		\$ 752,299 \$ 2.212.365			5 1.317.571	\$ 1.317.571		•	\$ 1.317.571 \$	1.317.571
Total Demand Costs		\$ 2,212,300	\$ 2,212,305	\$ 2,212,300	\$ 2,212,300	\$ 2,212,305 \$	1,402,470	1,317,571	\$ 1,317,571	\$ 1,317,571	\$ 1,317,571	\$ 1,317,571 \$	1,317,571
Asset Management and Capacity Release													
NUI AMA Revenue		\$ (1.744.550)	\$ (1.744.550)	\$ (1.744.550)	\$ (1.744.550)	\$ (1,744,550) \$	(1,744,550)	(1.744.550)	\$ (1,744,550)	\$ (1,744,550)	\$ (1.744.550)	\$ (1,744,550) \$	(1,744,550)
NUI Capacity Release		. ()	, (, ,,	, (, ,,	, (, , , , , , , , , ,	. (, , , , , , , ,	() ()	-	\$ -	\$ -	\$ -	\$ - \$	-
NUI AMA Rev & Cap. Release Subtotal													
NH AMA Revenue		\$ (714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232) \$	(714,232)	(714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232) \$	(714,232)
NH Capacity Release													
NH Total Asset Management and Capacity Release		\$ (714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232) \$	(714,232) \$	(714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232)	\$ (714,232) \$	(714,232)
Re-entry Rate & Conversion Rate Revenue		\$ (1,000)	\$ (1,000)	\$ (1,000)	\$ (1,000)	\$ (1,000)	9		\$ -	\$ -	\$ -	s - s	
re-chily rate a conversion rate revenue		ψ (1,000)	ψ (1,000)	ψ (1,000)	ψ (1,000)	ψ (1,000)	,		Ψ -	Ψ -	Ψ -	<u> </u>	
Net Demand Costs		\$ 1,497,133	\$ 1,497,133	\$ 1,497,133	\$ 1,497,133	\$ 1,497,133 \$	688,238	603,339	\$ 603,339	\$ 603,339	\$ 603,339	\$ 603,339 \$	603,339
NUI Commodity Costs													
NUI Total Pipeline Volumes		577.049	1.131.026	1.155.723	1.098.878	1.043.990	1.029.309	576.044	394.175	355.581	356.908	382.828	657.694
Pipeline Costs Modeled in Sendout™		\$ 4.653.001	\$ 10,571,190	\$ 13,045,845		\$ 8,070,275 \$		2.798.684	\$ 1,860,832	\$ 1,715,991		\$ 1,714,809 \$	3.185.675
NYMEX Price Used for Forecast		\$ 7.9010	\$ 8.0350	\$ 8.1150		\$ 6.7050 \$			\$ 5.2780	\$ 5.3400		\$ 5.3450 \$	5.4110
NYMEX Price Used for Update		\$ 7.9010	\$ 8.0350	\$ 8.1150		\$ 6.7050 \$		5.2190	\$ 5.2780	\$ 5.3400	\$ 5.3570	\$ 5.3450 \$	5.4110
Increase/(Decrease) NYMEX Price		\$ -	\$ -	\$ -	\$ -	\$ - \$	- 9	-	\$ -	\$ -	\$ -	\$ - \$	-
Increase/(Decrease) in Pipeline Costs		\$ -	\$ -	\$ -		\$ - \$,	•	\$ -	\$ -		\$ - \$	
Updated Pipeline Costs			\$ 10,571,190			\$ 8,070,275 \$			\$ 1,860,832	\$ 1,715,991		\$ 1,714,809 \$	
New Hampshire Allocated Percentage		37.57%	38.38%	38.18%	37.58%	36.63%	32.91%	32.56%	30.79%	29.14%	29.27%	30.29%	35.66%
NH Updated Pipeline Costs		\$ 1,747,920	\$ 4,057,370	\$ 4,981,153	\$ 4,610,118	\$ 2,956,075 \$	1,776,991	911,334	\$ 572,880	\$ 500,037	\$ 500,749	\$ 519,400 \$	1,136,170
NIII Dealine Valumes													
NH Peaking Volumes NH Peaking Costs Modeled in Sendout													
Change in NYMEX Price													
Change in Peaking Costs													
NH Updated Peaking Costs													
The second of the second													
NH Commodity Costs													
Pipeline				\$ 4,981,153		\$ 2,956,075 \$		911,334	\$ 572,880	\$ 500,037	\$ 500,749	\$ 519,400 \$	1,136,170
Storage			\$ 1,819,825		\$ 2,008,342				\$ -	\$ -		\$ - \$	
Peaking		\$ 12,665		\$ 1,492,494		\$ 38,253 \$			\$ 26,294	\$ 25,718		\$ 25,362 \$	30,741
Total Commodity Costs			\$ 6,084,382										1,166,911
Inventory Finance Charge		\$ 799	\$ 1,243	\$ 1,507	\$ 1,281	\$ 1,038 \$	514	· -	\$ -	\$ -	\$ -	\$ - \$	i -
Total Anticipated Direct Cost of Gas		\$ 5.158.338	\$ 7.582.758	\$ 10.088.629	\$ 8.491.433	\$ 6,022,627 \$	2.497.230	1,543,629	\$ 1,202,513	\$ 1.129.093	\$ 1.129.924	\$ 1,148,100 \$	1.770.249
		- 0,100,000	,002,.00	0,000,020	- 0,101,100	, 0,022,021 W	2, 101,200	,0.0,020	,202,010	,.20,000	- 1,120,024	÷ 1,110,100 ¢	.,,_ 10

Winter

Northern Utilities NEW HAMPSHIRE (Over) / Undercollection Anal

Volumes		Winter	Su	ımmer	Period		Total
Residential Heat & Non Heat							20,455,496
Sales HLF Classes							5,104,273
Sales LLF Classes							18,573,201
Total		35,507,405	8	,625,565			44,132,969
Rates				,,			,,
Residential Heat & Non Heat CGA							
Sales HLF Classes CGA							
Sales LLF Classes CGA							
Revenues	_						
Revenues Residential Heat & Non Heat						•	(24 406 600
Sales HLF Classes							(21,496,609
						\$	(4,450,239
Sales LLF Classes	_	(40 005 700)					(20,104,661
Total Sales	\$	(40,085,722)	\$ (5	,965,786)		\$	(46,051,509
Gas Costs and Credits							
Gas Costs and Credits							Total
Demand Costs (net of Capacity Assignment)							
Pipeline	\$	3,707,022	\$ 3	,707,022		\$	7,414,044
Storage	\$	3,928,299		,198,402		\$	8,126,701
On-system Peaking	\$	1,067,478		-		\$	1,067,478
Off-System Peaking	\$	3,761,497		_		\$	3,761,497
Total Demand Costs	\$	12,464,296		,905,424		\$	20,369,720
Total Bolliana Goots	Ť	12, 10 1,200	Ψ.	,000, 12 1		_	20,000,720
Asset Management and Capacity Release							
NUI AMA Revenue						\$	(20,934,600
NUI Capacity Release						\$	(20,334,000
						\$	-
NUI AMA Rev & Cap. Release Subtotal							(0.530.300
NH AMA Revenue						\$	(8,570,786
NH Capacity Release					_	\$	
NH Total Asset Management and Capacity Release	_		\$	-	\$ -	\$	(8,570,786)
Re-entry Rate & Conversion Rate Revenue	\$	(5,000)	\$	-		\$	(5,000)
Net Demand Costs	\$	8,173,903	\$ 3	,620,031		\$	11,793,935
NULL Comment like Constr							
NUI Commodity Costs							
NUI Total Pipeline Volumes							
Pipeline Costs Modeled in Sendout™							
NYMEX Price Used for Forecast							
NYMEX Price Used for Update							
Increase/(Decrease) NYMEX Price			1				
Increase/(Decrease) in Pipeline Costs							
Updated Pipeline Costs							
New Hampshire Allocated Percentage							
NH Updated Pipeline Costs	1					\$	24,270,196
NH Peaking Volumes							
NH Peaking Costs Modeled in Sendout							
Change in NYMEX Price							
Change in Peaking Costs	-					4	
NH Updated Peaking Costs	+					\$	-
NH Commodity Costs							
Pipeline			1			\$	24,270,196
Storage			1			\$	9,374,458
Peaking			1			\$	2,319,552
Total Commodity Costs	\$	31,660,730	¢ 4	,303,477		\$	35,964,206
	\$,303,477		\$	
Inventory Finance Charge	- 5	6,382	\$	-		ъ	6,382
Total Anticipated Direct Cost of Gas	\$	39,841,015	\$ 7	,923,508		\$	47,764,523
•					•		

Docket No. DG 22-059 Exhibit 4

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-12 Page 2 of 4

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-12 Page 3 of 4

Northern Utilities NEW HAMPSHIRE (Over) / Undercollection Analysis, Balances and Interest Calculation

			Winter							Summer											
			(Forecast)	(Forecast)		(Forecast)	(Forecast)	(Fore	ecast)	(Forecast)		Forecast)		ecast)	- 1	(Forecast)		recast)			(Forecast)
	Oct-22		Nov-22	Dec-22		Jan-23	Feb-23	Mar	r-23	Apr-23		May-23	Ju	n-23		Jul-23	Α	ug-23		Sep-23	Oct-23
Working Capital																					
Total Anticipated Direct Cost of Gas			5,158,338	\$ 7,582,7	58 \$	10,088,629	\$ 8,491,433	\$ 6,0	22,627	\$ 2,497,230	\$	1,543,629	\$ 1	,202,513	\$	1,129,093	\$ 1	,129,924	\$	1,148,100 \$	1,770,249
Working Capital Percentage			0.1398%	0.1	1%	0.14%	0.14%		0.14%	0.14%		0.14%		0.14%	,	0.14%		0.14%		0.14%	0.14%
Working Capital Allowance			7,209	\$ 10,5	97 \$	14,099	\$ 11,867	\$	8,417	\$ 3,490	\$	2,157	\$	1,681	\$	1,578	\$	1,579	\$	1,605 \$	2,474
Beginning Period Working Capital Balance			9,243	\$ 16,5	19 \$	27,230	\$ 41,508	\$	53,622	\$ 62,340	\$	66,164	\$	68,671	\$	70,714	\$	72,664	\$	74,626 \$	76,623
End of Period Working Capital Allowance			16,452	\$ 27,1	16 \$	41,329	\$ 53,375	\$	62,039	\$ 65,830	\$	68,321	\$	70,352	\$	72,292	\$	74,243	\$	76,230 \$	79,097
Interest			67	\$ 1	14 \$	179	\$ 247	\$	301	\$ 334	\$	350	\$	362	\$	372	\$	383	\$	393 \$	406
End of period with Interest	\$ 9	,243	16,519	\$ 27,2	30 \$	41,508	\$ 53,622	\$	62,340	\$ 66,164	\$	68,671	\$	70,714	\$	72,664	\$	74,626	\$	76,623 \$	79,503
Bad Debt			•													•					
Projected Bad Debt	\$	- 5	20,260.65	\$ 20,260.	35 \$	20,260.65	\$ 20,260.65	\$ 20,	,260.65	\$ 20,260.65	\$	2,846.52	\$	2,846.52	\$	2,846.52	\$	2,846.52	\$	2,846.52 \$	2,846.52
Beginning Period Bad Debt Balance	1		(11,232)	\$ 9,0	22 \$	29,383	\$ 49,849	\$	70,422	\$ 91,103	\$	111,890	\$	115,327	\$	118,782	\$	122,254	\$	125,745 \$	129,254
End of Period Bad Debt Balance			9,028	\$ 29.2	83 \$	49,644	\$ 70,110	\$	90,683	\$ 111,363	\$	114,737	\$	118,174	\$	121,628	\$	125,101	\$	128,592 \$	132,100
Interest			(6)	\$ 1	00 \$	206	\$ 312	\$	420	\$ 527	\$	590	\$	608	\$	626	\$	644	\$	662 \$	681
End of Period Bad Debt Balance with Interest	\$ (11	,232) \$	9,022	\$ 29,3	33 \$	49,849	\$ 70,422	\$	91,103	\$ 111,890	\$	115,327	\$	118,782	\$	122,254	\$	125,745	\$	129,254 \$	132,781
Local Production and Storage Capacity			35,756	\$ 35,7	56 \$	35,756	\$ 35,756	\$	35,756	\$ 35,756	\$	-	\$	-	\$	-	\$	-	\$	- \$	
			-	\$	- \$	-															
Miscellaneous Overhead			82,048	\$ 82,0	48 \$	82,048	\$ 82,048	\$	82,048	\$ 82,048	\$	19,931	\$	19,931	\$	19,931	\$	19,931	\$	19,931 \$	19,931
Gas Cost Other than Bad Debt and Working Capital Over/U	Jnder Collect	ion																			
Beginning Balance Over/Under Collection	\$ (2,663	,062)			10) \$	(2,661,999)	\$ (1,492,362)		325,622)			(2,258,131)	\$ (1	,994,537)		(1,616,444)		,188,113)	\$	(762,701) \$	(395,626)
Net Costs - Revenues			(20,624)	\$ 49,5	32 \$	1,180,427	\$ 872,242	\$ (4	40,260)	\$ (1,179,199)	\$	274,640	\$	387,473	\$	435,616	\$	430,478	\$	370,084 \$	179,019
Ending Balance before Interest			(2,683,686)	\$ (2,648,0	77) \$	(1,481,572)	\$ (620,121)	\$ (1,0	065,882)	\$ (2,249,486)	\$	(1,983,491)	\$ (1	,607,064)) \$	(1,180,828)	\$	(757,634)	\$	(392,617) \$	(216,606)
Average Balance			(2,673,374)	\$ (2,672,8	14) \$	(2,071,785)	\$ (1,056,241)	\$ (8	345,752)	\$ (1,659,886)	\$	(2,120,811)	\$ (1	,800,801)) \$	(1,398,636)	\$	(972,874)	\$	(577,659) \$	(306,116)
Interest Rate			6.25%	6.2	5%	6.25%	6.25%		6.25%	6.25%		6.25%		6.25%	,	6.25%		6.25%		6.25%	6.25%
Interest Expense			(13,924)	\$ (13,9	21) \$	(10,791)	\$ (5,501)	\$	(4,405)	\$ (8,645)	\$	(11,046)	\$	(9,379)	\$	(7,285)	\$	(5,067)	\$	(3,009) \$	(1,594)
Ending Balance Incl Interest Expense	\$ (2,663	,062)	(2,697,610)	\$ (2,661,9	99) \$	(1,492,362)	\$ (625,622)	\$ (1,0	70,287)	\$ (2,258,131)	\$	(1,994,537)	\$ (1	,616,444)) \$	(1,188,113)	\$	(762,701)	\$	(395,626) \$	(218,201)
Total Over/Under Collection Ending Balance	\$ (2,665	,051) \$	(2,672,068)	\$ (2,605,3	36) \$	(1,401,005)	\$ (501,578)	\$ (9	916,844)	\$ (2,080,077)	\$	(1,810,539)	\$ (1	,426,948)	\$	(993,194)	\$	(562,331)	\$	(189,749) \$	(5,917)
							·					-				•				1	
Total Indirect Cost of Gas	\$ (2,665	,051)	131,411	\$ 134,9	54 \$	141,758	\$ 144,990	\$ 1	142,797	\$ 133,771	\$	14,830	\$	16,049	\$	18,070	\$	20,317	\$	22,429 \$	24,744
Total Cost of Gas	\$ (2.665	.051) \$	5.289.749	¢ 77177	12 6	10.230.387	\$ 8.636.423	e e1	65 424	\$ 2.631.001	6	1.558.459	¢ 1	.218.562	T &	1 147 162	¢ 1	150 241	•	1.170.529 \$	1.794.993
TOTAL COST OF GAS	φ (2,000	,001)	5,209,749	φ 1,111,1	12 Þ	10,230,367	φ 0,030,423	φ 0, I	00,424	φ 2,031,001	φ	1,000,409	φI	,210,302	φ	1,147,103	ا د	, 100,241	φ	1,110,529 \$	1,794,993
Total Interest	\$	- 5	(13.863)	\$ (13.7	08) \$	(10.406)	\$ (4.942)	S	(3,684)	\$ (7,784)	\$	(10,105)	\$	(8.409)	\$	(6.286)	\$	(4,040)	\$	(1.953) \$	(508)
	1.7		,10,000)	, (10,1	/I Ψ	(10,100)	÷ (1,012)		(-,50.)	+ (1,101)		(.5,100)		(=,100)		(0,200)	7	(.,0 10)	7	(.,=00)	(000)

Northern Utilities NEW HAMPSHIRE (Over) / Undercollection Anal

3									
4							Prior		
5			Winter		Summer		Period		Total
6	Working Capital								
7	Total Anticipated Direct Cost of Gas							\$	47,764,523
8	Working Capital Percentage								
9	Working Capital Allowance	\$	55,679	\$	11,073	\$	9,243	\$	75,996
0	Beginning Period Working Capital Balance								
1	End of Period Working Capital Allowance								
2	Interest	\$	1,241	\$	2,266			\$	3,507
3	End of period with Interest								
4	Bad Debt								
5	Projected Bad Debt	\$	121.564	\$	17.079	\$	(11,232)	\$	127,411
6	Beginning Period Bad Debt Balance			ľ		ľ	(, - ,		,
7	End of Period Bad Debt Balance								
8	Interest	\$	1.559	\$	3.811			\$	5.370
9	End of Period Bad Debt Balance with Interest			ľ					-,-
0	Local Production and Storage Capacity							\$	214,538
1	• ' '							\$	· -
2	Miscellaneous Overhead							\$	611,875
3									
4	Gas Cost Other than Bad Debt and Working Capital Over/U								
5	Beginning Balance Over/Under Collection							\$	(19,426,493)
ŝ	Net Costs - Revenues							\$	2,539,428
7	Ending Balance before Interest							\$	(16,887,065)
8	Average Balance							\$	(18, 156, 779)
9	Interest Rate								
)	Interest Expense							\$	(94,567)
1	Ending Balance Incl Interest Expense					\$	(2,663,062)		
2	Total Over/Under Collection Ending Balance		-		-				-
3									
4	Total Indirect Cost of Gas	\$	829,682	\$	116,438	\$	(2,665,051)	\$	(1,718,932)
5							,		
6	Total Cost of Gas	\$	40.670.697	\$	8.039.946	\$	(2.665.051)	\$	46,045,592
7		-	-,,-01	, T	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,	, ,,,	-	.,,
8	Total Interest	\$	(54.387)	\$	(31.303)			\$	(85,689)
-		-	(31,001)	. *	(21,000)			-	(50,000)

Docket No. DG 22-059 Exhibit 4

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-12 Page 4 of 4

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 1 of 10

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC.

Anticipated Cost of Gas

New Hampshire Division

Period Covered: November 1, 2022 - April 31, 2023

	Column A	Column B	Column C
1	ANTICIPATED DIRECT COST OF GAS		
2	Purchased Gas for Sales Service:		
3	Demand Costs:	\$ 6,358,704	
4	Supply Costs:	\$ 20,129,627	
5			
6	Storage & Peaking Gas for Sales Service:		
7	Demand, Capacity:	\$ 12,558,149	
8	Commodity Costs:	\$ 11,531,102	
9			
10	Inventory Finance Charge	\$ 6,382	
11	Compails Palace	Φ (0.570.70C)	
12	Capacity Release	\$ (8,570,786)	
13 14	Re-entry Rate & Conversion Rate Revenues	\$ (5,000)	
	Re-entry Rate & Conversion Rate Revenues	φ (3,000)	
15 16	Total Anticipated Direct Cost of Gas		\$ 42,008,180
17	Total Anticipated Direct Cost of Cas		Ψ 42,000,100
18	ANTICIPATED INDIRECT COST OF GAS		
19	Adjustments:		
20	Prior Period Under/(Over) Collection	\$ (2,757,176)	
21	Interest	\$ (54,387)	
22	Refunds	\$ -	
23	Interruptible Margins	\$ -	
24	Total Adjustments		\$ (2,811,562)
25			
26	Working Capital:		
27	Total Anticipated Direct Cost of Gas	\$ 42,008,180	
28	Working Capital Allowance Percentage (9.30 [lag days]/366* prime rate)	0.1588%	
29	Working Capital Allowance	\$ 66,714	
30 31	Phys. Working Conital Pagennilistian (Acet 172)	ф 7.427	
	Plus: Working Capital Reconciliation (Acct 173)	\$ 7,437	
32 33	Total Working Capital Allowanea		\$ 74,150
34	Total Working Capital Allowance		φ 74,130
35	Bad Debt:		
36	Bad Debt Allowance	\$ 121,564	
37	Plus: Bad Debt Reconciliation (Acct 173)	\$ (10,671)	
38	Total Bad Debt Allowance		\$ 110,893
39			,
40	Local Production and Storage Capacity		\$ 214,538
41			
42	Miscellaneous Overhead-80.46% Allocated to Winter Season		\$ 492,287
43			
44	Total Anticipated Indirect Cost of Gas		\$ (1,919,694)
45			
46	Total Cost of Gas		\$ 40,088,486
	(*) Prime Rate is 6.25%		

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 2 of 10

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC.

Summary

Anticipated Cost of Gas

New Hampshire Division

Period Covered: November 1, 2022 - April 31, 2023

	Column A	Column D
1	ANTICIPATED DIRECT COST OF GAS	
2	Purchased Gas for Sales Service:	
3	Demand Costs:	Attachment NUI-CAK-2, LN 71 + LN 75
4	Supply Costs:	Attachment NUI-CAK-6, LN 14
5	Cupply Cools.	, masimism 1101 07 mt 0, 211 11
6	Storage & Peaking Gas for Sales Service:	
7	Demand, Capacity:	Attachment NUI-CAK-2, LN 73 + LN 74
8	Commodity Costs:	Attachment NUI-CAK-6, LN 15 + LN 16
9	Commodity Cools.	7 Madelinion 1401 Of the 0, Elv 10 · Elv 10
10	Inventory Finance Charge	Attachment NUI-CAK-6, LN 17
11	involtory i manoo onargo	Autominoral Por Grave o, Elv 17
12	Capacity Release	-(Attachment NUI-CAK-2, LN 77)
13	oupuony relicuse	-(Attachment Noi-OAK-2, LIV 77)
14	Re-entry Rate & Conversion Rate Revenues	Attachment NUI-CAK-2, LN 79
15	No-only Rule & Conversion Rule Revenues	Attachment (VOI-OAK-2, LIV 73
16	Total Anticipated Direct Cost of Gas	Sum (LN 3 : LN 14)
17	Total Anticipated Direct Cost of Gas	Sulli (LIN 3 . LIN 14)
18	ANTICIPATED INDIRECT COST OF GAS	
19	Adjustments:	
20	Prior Period Under/(Over) Collection	Attachment NIII CAK 10 Bare 1
21	Interest	Attachment NUI-CAK-10, Page 1
22	Refunds	Attachment NUI-CAK-12, LN 94: Total
23		(AH
23 24	Interruptible Margins	-(Attachment NUI-CAK-2, LN 78)
24 25	Total Adjustments	Sum (LN 20 : LN 23)
26	Working Capital:	
27	Total Anticipated Direct Cost of Gas	LN 16
28	Working Capital Allowance Percentage (9.30 [lag days]/366* prim	
29	Working Capital Allowance Working Capital Allowance	LN 27 * LN 28
30	Working Capital Allowance	LIN 27 LIN 20
31	Plus: Working Capital Reconciliation (Acct 173)	Attachment NUI-CAK-10, Attachment A
32	1 lds. Working Capital Neconcillation (Acct 175)	Attacriment Nor-CAR-10, Attacriment A
33	Total Working Capital Allowance	Sum (IN 20 - IN 24)
34	Total Working Capital Allowance	Sum (LN 29 : LN 31)
35	Bad Debt:	
36	Bad Debt Allowance	Attachment NUI-CAK-11, LN 16
37	Plus: Bad Debt Reconciliation (Acct 173)	Schedule 10-CAK, Attachment B
38	Total Bad Debt Neconomiation (Acct 175)	LN 36 + LN 37
39	Total Bad Debt Allowance	LN 36 + LN 37
39 40	Local Production and Storage Capacity	Attachment NIIII CAK 2 I NI 94
41	Local Production and Storage Capacity	Attachment NUI-CAK-2, LN 84
42	Miscellaneous Overhead-80.46% Allocated to Winter Season	Attachment NUI-CAK-2, LN 83
43	misconaneous Overneau-ov10/0 Allocateu to Willer Season	Augument Nor-CAR-2, LN 03
43 44	Total Anticipated Indirect Cost of Gas	Sum (IN 24 · IN 42)
44 45	Total Anticipated munect Cost of Gas	Sum (LN 24 : LN 42)
45 46	Total Cost of Gas	LN 44 + LN 16
40		LIN 44 T LIN IU
	(*) Prime Rate is 6.25%	

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 3 of 10

40	CALCULATION OF FIRM SALES COST OF CAS DATE				Page 3 of 10
48 49	CALCULATION OF FIRM SALES COST OF GAS RATE Period Covered: November 1, 2022 - April 31, 2023				
50	Torrow Covered. November 1, 2022 7 pm 61, 2020				
51	Column A	Column B	Co	olumn C	
52	T. I. I. III	A 40 000 400			
53 54	Total Anticipated Direct Cost of Gas Projected Prorated Sales (11/01/22 - 04/30/23)	\$ 42,008,180 35,507,405			
55	Direct Cost of Gas Rate	30,007,400	\$	1.1831 per	therm
56	2		Ψ		
57	Demand Cost of Gas Rate	\$ 10,341,068	\$	0.2912 per	
58	Commodity Cost of Gas Rate	<u>\$ 31,667,112</u>	\$	0.8918 per	therm
59	Total Direct Cost of Gas Rate	\$ 42,008,180	\$	1.1830 per	therm
60 61	Total Anticipated Indirect Cost of Gas	\$ (1,919,694)			
62	Projected Prorated Sales (11/01/22 - 04/30/23)	35,507,405			
63	Indirect Cost of Gas		\$	(0.0541) per	therm
64 65					
66	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/22		\$	1.1289 per	therm
67				·	
68	RESIDENTIAL COST OF GAS RATE - 11/01/22	COGwr	\$		therm
69		Maximum (COG+25%)	\$	1.4111	
70 71					
72	COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22	COGwl	\$	1.0536 per	therm
73		Maximum (COG+25%)	\$	1.3170	
74					
75	C&I HLF Demand Costs Allocated per SMBA	\$ 569,531			
76	PLUS: Residential Demand Reallocation to C&I HLF	\$ 8,570 \$ 570,404			
77 78	C&I HLF Total Adjusted Demand Costs C&I HLF Projected Prorated Sales (11/01/22 - 04/30/23)	\$ 578,101 2,898,272			
79	Demand Cost of Gas Rate	\$ 0.1995			
80		•			
81	C&I HLF Commodity Costs Allocated per SMBA	\$ 2,634,583			
82	PLUS: Residential Commodity Reallocation to C&I HLF	<u>\$ (2,272)</u>			
83	C&I HLF Total Adjusted Commodity Costs	\$ 2,632,312			
84	C&I HLF Projected Prorated Sales (11/01/22 - 05/30/23)	2,898,272			
85	Commodity Cost of Gas Rate	\$ 0.9082			
86 87	Indirect Cost of Gas	\$ (0.0541)			
	mullect cost of das	\$ (0.0341)			
88 89	Total C&I HLF Cost of Gas Rate	\$ 1.0536			
90	Total Garrier Gost of Gas Rate	Ψ 1.5555			
91					
92	COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/22	COGwh	<u>\$</u> \$		therm
93 94		Maximum (COG+25%)	Þ	1.4285	
95	C&I LLF Demand Costs Allocated per SMBA	\$ 4,796,055			
96	PLUS: Residential Demand Reallocation to C&I LLF	\$ 72,168			
97	C&I LLF Total Adjusted Demand Costs	\$ 4,868,223			
98	C&I LLF Projected Prorated Sales (11/01/22 - 04/30/23)	15,802,392			
99 100	Demand Cost of Gas Rate	\$ 0.3081			
101	C&I LLF Commodity Costs Allocated per SMBA	\$ 14,057,910			
	PLUS: Residential Commodity Reallocation to C&I LLF	\$ (12,123)			
103	C&I LLF Total Adjusted Commodity Costs	\$ 14,045,788			
	C&I LLF Projected Prorated Sales (11/01/22 - 04/30/23)	15,802,392			
	Commodity Cost of Gas Rate	\$ 0.8888			
106 107	Indirect Cost of Gas	\$ (0.0541)			
	mandet dost of das	<u>* (0.00+1)</u>			
108 109	Total C&I LLF Cost of Gas Rate	\$ 1.1428			
103	Total Ca. Eli Cost di Cus Ruto	¥ 1.1740			

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 4 of 10

48	CALCULATION OF FIRM SALES COST OF GAS RATE	
49	Period Covered: November 1, 2022 - April 31, 2023	
50		
51	Column A	Column D
52	T. () A. () . () D. () A. ()	
53	Total Anticipated Direct Cost of Gas	LN 16
54	Projected Prorated Sales (11/01/22 - 04/30/23)	Attachment NUI-CAK-3, LN 11
55	Direct Cost of Gas Rate	LN 53 / LN 54
56	Domand Coat of Coa Bota	O-large B : 011M (1 N 0 1 N 7 1 N 40) : 00111MN 0: 1 N 5
57 50	Demand Cost of Gas Rate	Column B : SUM (LN 3 , LN 7 , LN 12) : COLUMN C: LN 5
58	Commodity Cost of Gas Rate	Column B : SUM (LN 4 , LN 8) : COLUMN C: LN 58 / LN 5
59	Total Direct Cost of Gas Rate	SUM (LN 57 : LN 58)
60 61	Total Anticipated Indirect Cost of Gas	Column B : LN 44
62	Projected Prorated Sales (11/01/22 - 04/30/23)	Column B : LN 54
63	Indirect Cost of Gas	LN 61 / LN 62
64		2.101721102
65		
66	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/22	LN 59 + LN 63
67		_
68	RESIDENTIAL COST OF GAS RATE - 11/01/22	_LN 66
69		LN 68 * 1.25
70		
71		-
72	COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/22	_ LN 89
73		LN 72 * 1.25
74	00111150 10 1 411 1 1 01104	
75	C&I HLF Demand Costs Allocated per SMBA	Attachment NUI-CAK-4, LN 170
76	PLUS: Residential Demand Reallocation to C&I HLF	Attachment NUI-CAK-9, LN 16
77	C&I HLF Total Adjusted Demand Costs	Sum (LN 75 : LN 76)
78	C&I HLF Projected Prorated Sales (11/01/22 - 04/30/23)	Attachment NUI-CAK-3, LN 14
79	Demand Cost of Gas Rate	LN 77 / LN 78
80		
81	C&I HLF Commodity Costs Allocated per SMBA	Attachment NUI-CAK-8, LN 83
82	PLUS: Residential Commodity Reallocation to C&I HLF	Attachment NUI-CAK-9, LN 26
83	C&I HLF Total Adjusted Commodity Costs	Sum (LN 81 : LN 82)
84	C&I HLF Projected Prorated Sales (11/01/22 - 05/30/23)	LN 78
85	Commodity Cost of Gas Rate	LN 83 / LN 84
86		
87	Indirect Cost of Gas	LN 63
88		
89	Total C&I HLF Cost of Gas Rate	Sum (LN 79, LN 85, LN 87)
90		(
91		_
92	COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/22	LN 109
93		LN 92 * 1.25
94		
95	C&I LLF Demand Costs Allocated per SMBA	Attachment NUI-CAK-4, LN 171
96	PLUS: Residential Demand Reallocation to C&I LLF	Attachment NUI-CAK-9, LN 17
97	C&I LLF Total Adjusted Demand Costs	Sum (LN 95 : LN 96)
98	C&I LLF Projected Prorated Sales (11/01/22 - 04/30/23)	Attachment NUI-CAK-3, LN 15
99	Demand Cost of Gas Rate	LN 97 / LN 98
100		
	C&I LLF Commodity Costs Allocated per SMBA	Attachment NUI-CAK-8, LN 84
102	PLUS: Residential Commodity Reallocation to C&I LLF	Attachment NUI-CAK-9, LN 27
103	C&I LLF Total Adjusted Commodity Costs	Sum (LN 101 : LN 102)
104	C&I LLF Projected Prorated Sales (11/01/22 - 04/30/23)	LN 98
105	Commodity Cost of Gas Rate	LN 103 / LN 104
106		
107	Indirect Cost of Gas	LN 63
108		
109	Total C&I LLF Cost of Gas Rate	Sum (LN 99, LN 105, LN 107)

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 5 of 10

N.H.P.U.C No.12 NORTHERN UTILITIES, INC.

Anticipated Cost of Gas **Summary Schedule**

New Hampshire Division Period Covered: May 1, 2023 - October 31, 2023

	Column A	Column B			Column C
110	ANTICIPATED DIRECT COST OF GAS				
111	Purchased Gas:				
112	Demand Costs:	\$	1,055,340		
113	Supply Costs:	\$	4,140,569		
114					
115	Storage & Peaking Gas:				
116	Demand, Capacity:	\$	397,527		
117	Commodity Costs:	\$	162,908		
118					
119	Inventory Finance Charge	\$	-		
120	Ourselfor Balance	•			
121	Capacity Release	\$	-		
122	Do onto: Data & Conversion Bata Davanuas	Φ			
123 124	Re-entry Rate & Conversion Rate Revenues	\$	-		
125	Total Anticipated Direct Cost of Gas			\$	5,756,344
126	Total Anticipated Direct Cost of Gas			Ψ	3,730,344
127	ANTICIPATED INDIRECT COST OF GAS				
128	Adjustments:				
129	Prior Period Under/(Over) Collection	\$	94,114		
130	Interest	\$	(31,303)		
131	Refunds	\$	-		
132	Interruptible Margins	\$	_		
133	Total Adjustments			\$	62,811
134	,			•	,-
135	Working Capital:				
136	Total Anticipated Direct Cost of Gas	\$	5,756,344		
137	Working Capital Allowance Percentage (9.30 [lag days]/366* prime rate)		<u>0.159%</u>		
138	Working Capital Allowance	\$,		
139	Plus: Working Capital Reconciliation (Acct. 173)	\$	1,807		
140					
141	Total Working Capital Allowance			\$	10,948
142					
143	Bad Debt:	•	47.070		
144	Projected Bad Debt	\$			
145	Plus: Bad Debt Reconciliation (Acct 173)	\$	(562)		
146	Total Bad Debt Expense			\$	16,517
147					
148	Local Production and Storage Capacity			\$	-
149	Microllone and Organica and 40 E40/ Allocated to Communication			•	440.500
150	Miscellaneous Overhead-19.54% Allocated to Summer Season			\$	119,588
151 152	Total Anticipated Indirect Cost of Gas			\$	200 065
152	Total Anticipated Indirect Cost of Gas			Ф	209,865
154	Total Cost of Gas			\$	5,966,208
155	Total 905t of 945			Ψ	0,300,200
100	/*\ Prime Date is 6 250/				

^(*) Prime Rate is 6.25%

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 6 of 10

N.H.P.U.C No.12 NORTHERN UTILITIES, INC.

Anticipated Cost of Gas

New Hampshire Division Period Covered: May 1, 2023 - October 31, 2023

	Column A	Column D
110	ANTICIPATED DIRECT COST OF GAS	
111	Purchased Gas:	
112	Demand Costs:	Attachment NUI-CAK-2, LN 71 + LN 75
113	Supply Costs:	Attachment NUI-CAK-6, LN 14
114		
	Storage & Peaking Gas:	
116	Demand, Capacity:	Attachment NUI-CAK-2, LN 73
117	Commodity Costs:	Attachment NUI-CAK-6, LN 15 + LN 16
118	•	
119	Inventory Finance Charge	- (Attachment NUI-CAK-6, LN 20)
120		
121	Capacity Release	- (Attachment NUI-CAK-2, LN 77)
122		
123	Re-entry Rate & Conversion Rate Revenues	
124		
125	Total Anticipated Direct Cost of Gas	Sum (LN 112 : LN 123)
126	ANTIQUEATED INDIDECT COOT OF CAS	
127	ANTICIPATED INDIRECT COST OF GAS	
	Adjustments:	A
129	Prior Period Under/(Over) Collection	Attachment NUI-CAK-10, Page 1
130	Interest	Attachment NUI-CAK-12, LN 92: Total
131	Refunds	Company Analysis
132	Interruptible Margins	- (Attachment NUI-CAK-2, LN 78)
133	Total Adjustments	Sum (LN 129 : LN 132)
134	Working Capitals	
136	Working Capital: Total Anticipated Direct Cost of Gas	LN 125
137	Working Capital Allowance Percentage (9.30 [lag days]/366* prim	
138	Working Capital Allowance Working Capital Allowance	LN 136 * LN 137
139	Plus: Working Capital Reconciliation (Acct. 173)	Attachment NUI-CAK-10, Attachment A
140	1 lds. Working Capital Neccitoniation (166t. 176)	Attachment Not-OAK-10, Attachment A
141	Total Working Capital Allowance	C., (I NI 420 . I NI 420)
142	Total Working Capital Allowance	Sum (LN 138 : LN 139)
	Bad Debt:	
144	Projected Bad Debt	Attachment NUI-CAK-11, LN 17
145	Plus: Bad Debt Reconciliation (Acct 173)	Schedule 10-CAK, Attachment B
146	Total Bad Debt Expense	Sum (LN 144 : LN 145)
147	Total Bad Debt Expense	Suiii (EN 144 : EN 145)
148	Local Production and Storage Capacity	Attachment NUI-CAK-2, LN 84
149		, masimion 1101 0/ m 2, 211 0 1
150	Miscellaneous Overhead-19.54% Allocated to Summer Season	Attachment NUI-CAK-2, LN 83
151		
152	Total Anticipated Indirect Cost of Gas	Sum (LN 133 : LN 150)
153		
154	Total Cost of Gas	LN 152 + LN 125
155		
	(*) Prime Rate is 6.25%	

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 7 of 10

NORTHERN UTILITIES, INC.

450	NONTHERN OTHER ES, INC.							
156 157	CALCULATION OF FIRM SALES COST OF GAS RATE							
158	Period Covered: May 1, 2023 - October 31, 2023							
159	1 ellou Govereu. May 1, 2023 - Gelobel 31, 2023							
	Column A				Column B	C	olumn C	
161	Column A			•	Joidinii B	·	olullii O	
	Total Anticipated Direct Cost of Gas			\$	5,756,344			
163	Projected Prorated Sales (05/01/23 - 10/31/23)			Ψ	8,625,565			
164	,				0,020,000	\$	0.6674	per therm
165	Billion Good of Guo Ruto					Ψ	0.007 1	por utomi
	Demand Cost of Gas Rate			\$	1,452,867	\$	0 1684	per therm
167					4,303,477	\$		per therm
	Total Direct Cost of Gas Rate				5,756,344	\$		per therm
169	Total Bilect Gost of Gas Nate			Ψ	0,700,044	Ψ	0.0070	per menni
	Total Anticipated Indirect Cost of Gas			\$	209.865			
171	Projected Prorated Sales (05/01/23 - 10/31/23)			•	8,625,565			
	Indirect Cost of Gas				-,,	\$	0.0243	per therm
173						•		
174								
175	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/23					\$	0.6916	per therm
176								
177	RESIDENTIAL COST OF GAS RATE - 05/01/23			CO	Gwr	\$	0.6916	per therm
178		Max	kimum (COG	+25%	b)	\$	0.8645	
179								
180								
181	COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/23				Gwl	\$	0.6331	per therm
182		Max	kimum (COG	i+25%	6)	\$	0.7914	
183								
	C&I HLF Demand Costs Allocated per SMBA	\$	230,600					
	PLUS: Residential Demand Reallocation to C&I HLF	\$	11,833					
	C&I HLF Total Adjusted Demand Costs	\$	242,434					
	C&I HLF Projected Prorated Sales (05/01/23 - 10/31/23)		2,206,001					
	Demand Cost of Gas Rate	\$	0.1099					
189	ONLINE O Phy O All All All OMDA	•	4 400 000					
	C&I HLF Commodity Costs Allocated per SMBA	\$ \$	1,100,620					
	PLUS: Residential Commodity Reallocation to C&I HLF		34					
	C&I HLF Total Adjusted Commodity Costs		1,100,655					
	C&I HLF Projected Prorated Sales (05/01/23 - 10/31/23) Commodity Cost of Gas Rate	\$	2,206,001 0.4989					
195	Commodity Cost of Gas Nate	Ψ	0.4303					
196	Indirect Cost of Gas	\$	0.0243					
	mancet dost of das	Ψ	0.0240					
197	Total CRITILE Cook of Coo Data	•	0.0004					
198	Total C&I HLF Cost of Gas Rate	\$	0.6331					
199 200								
201	COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/23			CO	Gwh	\$	0.7383	per therm
202	COMPAND THOSE WHITEK OSE COST OF CAS KATE - 03/01/23	May	kimum (COG			\$	0.9229	per trieffir
203		IVIGA	amam (000	. 20 /	,	Ψ	0.5225	
	C&I LLF Demand Costs Allocated per SMBA	\$	566,892					
	PLUS: Residential Demand Reallocation to C&I LLF	\$	29,091					
	C&I LLF Total Adjusted Demand Costs	\$	595,983					
	C&I LLF Projected Prorated Sales (05/01/23 - 10/31/23)		2,770,809					
208		\$	0.2151					
209								
210	C&I LLF Commodity Costs Allocated per SMBA	\$	1,382,415					
211	PLUS: Residential Commodity Reallocation to C&I LLF	\$	43					
212	C&I LLF Total Adjusted Commodity Costs	\$	1,382,458					
213	C&I LLF Projected Prorated Sales (05/01/23 - 10/31/23)		2,770,809					
214	Commodity Cost of Gas Rate	\$	0.4989					
215								
216	Indirect Cost of Gas	\$	0.0243					
217								
218	Total C&I LLF Cost of Gas Rate	\$	0.7383					

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 8 of 10

NORTHERN UTILITIES, INC.

	NORTHERN UTILITIES, INC.	
156		
	CALCULATION OF FIRM SALES COST OF GAS RATE	
158	Period Covered: May 1, 2023 - October 31, 2023	
159	Outroom A	
	Column A	Column D
161	Total Author to LDNs at Oct 150 c	
	Total Anticipated Direct Cost of Gas	LN 125
	Projected Prorated Sales (05/01/23 - 10/31/23)	Attachment NUI-CAK-3, LN 11
	Direct Cost of Gas Rate	LN 162 / LN 163
165	Domand Coat of Coa Bota	0.1
	Demand Cost of Gas Rate	Column B : SUM (LN 112 , LN 116 , LN 121 , LN 123) : Cc
	Commodity Cost of Gas Rate	Column B : SUM (LN 113 , LN 117 , LN 119) : COLUMN C
	Total Direct Cost of Gas Rate	SUM (LN 166 : LN 167)
169	Total Autinius and Indianat Coat of Coa	0.1
	Total Anticipated Indirect Cost of Gas	Column B : LN 152
171	Projected Prorated Sales (05/01/23 - 10/31/23) Indirect Cost of Gas	Column B : LN 163
172	indirect Cost of Gas	LN 170 / LN 171
173		
	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/23	IN 168 + IN 172
176	TOTAL TERIOD AVEINAGE GOOT OF GAG EITEG 114E 60/01/20	EN 100 - EN 172
	RESIDENTIAL COST OF GAS RATE - 05/01/23	– LN 175
178		LN 177 * 1.25
179		
180		
	COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/23	_ LN 198
182		LN 181 * 1.25
183		
	C&I HLF Demand Costs Allocated per SMBA	Attachment NUI-CAK-4, LN 170
	PLUS: Residential Demand Reallocation to C&I HLF	Attachment NUI-CAK-9, LN 16
186	C&I HLF Total Adjusted Demand Costs	Sum (LN 184 : LN 185)
	C&I HLF Projected Prorated Sales (05/01/23 - 10/31/23)	Attachment NUI-CAK-3, LN 14
	Demand Cost of Gas Rate	LN 186 / LN 187
189		
190	C&I HLF Commodity Costs Allocated per SMBA	Attachment NUI-CAK-8, LN 83
191	PLUS: Residential Commodity Reallocation to C&I HLF	Attachment NUI-CAK-9, LN 26
192	C&I HLF Total Adjusted Commodity Costs	Sum (LN 190 : LN 191)
193	C&I HLF Projected Prorated Sales (05/01/23 - 10/31/23)	LN 187
194	Commodity Cost of Gas Rate	LN 192 / LN 193
195		
196	Indirect Cost of Gas	LN 172
197		
198	Total C&I HLF Cost of Gas Rate	Sum (LN 188, LN 194, LN 196)
199		, , , , ,
200		
201	COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/23	 LN 218
202		LN 201 * 1.25
203		
204	C&I LLF Demand Costs Allocated per SMBA	Attachment NUI-CAK-4, LN 171
205	PLUS: Residential Demand Reallocation to C&I LLF	Attachment NUI-CAK-9, LN 17
206	C&I LLF Total Adjusted Demand Costs	Sum (LN 204 : LN 205)
207	C&I LLF Projected Prorated Sales (05/01/23 - 10/31/23)	Attachment NUI-CAK-3, LN 15
208	Demand Cost of Gas Rate	LN 206 / LN 207
209		
	C&I LLF Commodity Costs Allocated per SMBA	Attachment NUI-CAK-8, LN 84
211	•	Attachment NUI-CAK-9, LN 27
212	, ,	Sum (LN 210 : LN 211)
213	,	LN 207
214	Commodity Cost of Gas Rate	LN 212 / LN 213
215		
216	Indirect Cost of Gas	LN 172
217		
218	Total C&I LLF Cost of Gas Rate	Sum (LN 208, LN 214, LN 216)

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 9 of 10

NORTHERN UTILITIES, INC.

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC.

Anticipated Cost of Gas

New Hampshire Division Period Covered: November 1, 2022 - October 31, 2023

040	Column A	(Col	umn B		Column C
219 220	ANTICIPATED DIRECT COST OF GAS Purchased Gas for Sales Service:					
221	Demand Costs:	¢	7	414,044		
222				270,196		
223	Supply Costs:	Φ	24,	270,190		
224	Storage & Peaking Gas for Sales Service:					
225	Demand, Capacity:	\$	12	955,676		
226	Commodity Costs:			694,010		
227	commonly cools.	Ψ	,	001,010		
228	Inventory Finance Charge	\$		6,382		
229		•		-,		
230	Capacity Release	\$	(8,	570,786)		
231				•		
232	Re-entry Rate & Conversion Rate Revenues	\$		(5,000)		
233						
234	Total Anticipated Direct Cost of Gas				\$	47,764,523
235						
236	ANTICIPATED INDIRECT COST OF GAS					
237	Adjustments:	_				
238	Prior Period Under/(Over) Collection		(2,	663,062)		
239	Interest	\$		(85,689)		
240	Refunds	\$		-		
241	Interruptible Margins	\$		-	Φ.	(0.740.754)
242 243	Total Adjustments				\$	(2,748,751)
243	Working Capital:					
245	Total Anticipated Direct Cost of Gas	\$	47	764,523		
246	Working Capital Percentage	Ψ		0.1588%		
247	Working Capital Allowance	\$		75,856		
248		•		,		
249	Plus: Working Capital Reconciliation (Acct 173)	\$		9,243		
250	,					
251	Total Working Capital Allowance				\$	85,099
252						
253	Bad Debt:					
254	Bad Debt Allowance	\$		138,643		
255	Plus: Bad Debt Reconciliation (Acct 173)	\$		(11,232)	•	407.444
256 257	Total Bad Debt Allowance				\$	127,411
25 <i>1</i> 258	Local Production and Storage Capacity				\$	214,538
259	Local Floddction and Storage Capacity				Ψ	214,550
260	Miscellaneous Overhead				\$	611,875
261					Ψ	011,010
262	Total Anticipated Indirect Cost of Gas				\$	(1,709,829)
263	•				•	, ,,,
264	Total Cost of Gas				\$	46,054,694

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-13 Page 10 of 10

NORTHERN UTILITIES, INC.

N.H.P.U.C No. 12 NORTHERN UTILITIES, INC.

Anticipated Cost of Gas

New Hampshire Division

Period Covered: November 1, 2022 - October 31, 2023

	Column A	Column D
219	ANTICIPATED DIRECT COST OF GAS	
220	Purchased Gas for Sales Service:	
221	Demand Costs:	LN 3 + LN 112
222	Supply Costs:	LN 4 + LN 113
223	***	
224	Storage & Peaking Gas for Sales Service:	
225	Demand, Capacity:	LN 7 + LN 116
226	Commodity Costs:	LN 8 + LN 117
227		
228	Inventory Finance Charge	LN 10 + LN 119
229		
230	Capacity Release	LN 12 + LN 121
231		2.1.12 - 2.1.12
232	Re-entry Rate & Conversion Rate Revenues	LN 14 + LN 123
233		
234	Total Anticipated Direct Cost of Gas	LN 16 + LN 125
235		211 10 1211 120
236	ANTICIPATED INDIRECT COST OF GAS	
237	Adjustments:	
238	Prior Period Under/(Over) Collection	LN 20 + LN 129
239	Interest	LN 21 + LN 130
240	Refunds	LN 22 + LN 131
241	Interruptible Margins	LN 23 + LN 132
242	Total Adjustments	LN 24 + LN 133
243	Total Majadinonio	LIVE - LIVIOO
244	Working Capital:	
245	Total Anticipated Direct Cost of Gas	LN 27 + LN 136
246	Working Capital Percentage	LN 28 + LN 137
247	Working Capital Allowance	LN 29 + LN 138
248	Working Capital / wowanos	2.1.20
249	Plus: Working Capital Reconciliation (Acct 173)	LN 31 + LN 139
250	· · · · · · · · · · · · · · · · · · ·	
251	Total Working Capital Allowance	LN 33 + LN 141
252	3 - 1	
253	Bad Debt:	
254	Bad Debt Allowance	LN 36 + LN 144
255	Plus: Bad Debt Reconciliation (Acct 173)	LN 37 + LN 145
256	Total Bad Debt Allowance	LN 38 + LN 146
257		
258	Local Production and Storage Capacity	LN 40 + LN 148
259		
260	Miscellaneous Overhead	LN 42 + LN 150
261		
262	Total Anticipated Indirect Cost of Gas	LN 44 + LN 152
263		
264	Total Cost of Gas	LN 46 + LN 154

Northern Utilities, Inc. New Hampshire Division Revised Attachment NUI-CAK-14 Page 1 of 1

Northern Utilities New Hampshire Division Cost of Gas Rate Comparison - Residential Rate Classes (rates per therm)

Proposed Rates	2021-2	022 Actual C	Cost of Gas F	Rates				
November 2022 - April 2023	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	Average Winter 22-23	Variance
\$1.1289	\$0.9392	\$0.9392	\$0.8975	\$0.9462	\$1.0547	\$1.0547	\$0.9719	\$0.1570
May 2023 - October 2023	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Average Summer 2022	
\$0.6916	\$0.6361	\$0.9126	\$0.9126	\$0.9126	\$1.1204	\$1.1204	\$0.9358	(\$0.2442)

Revised Attachment NUI-FXW-11 Page 1 of 11

Winter Period Re-Entry Surcharge Calculation

(Applicable to Capacity Assigned Customers Returning to Sales Service)

Line	ltem	HLF	(50, 51, 52)	LLF	(40, 41, 42)	Weighted Average	Reference
1	Winter Demand Cost of Gas Rate	\$	0.1995	\$	0.3081	\$ 0.2913	No Change from Page 3 - Lines 79 and 99 of CAK-13
2	Winter Commodity Cost of Gas Rate	\$	0.9082	\$	0.8888	\$ 0.8918	No Change from Page 3 - Lines 85 and 105 of CAK-13
3	Winter Indirect Cost of Gas	\$	0.0251	\$	0.0251	\$ 0.0251	Prior Period Over Collection removed from Page 3, Lines 87 and 107 of CAK-13
4	Winter Cost of Gas Rate (Exclusive of Credits)	\$	1.1328	\$	1.2220	\$ 1.2082	Sum Lines 1 through 3
5	Winter Cost of Gas Rate for Incumbent Sales Customers	\$	1.0604	\$	1.1496	\$ 1.1358	Page 3 - Lines 72 and 92 of CAK-13
6	Winter Re-Entry Surcharge	\$	0.0724	\$	0.0724	\$ 0.0724	Positive Difference between Line 4 and Line 5
7	Projected Sales (therms)		2,898,272		15,802,392	18,700,664	Page 3 - Lines 85 and 105 of Summary

Summer Period Re-Entry Surcharge & Conversion Surcharge Calculation

(Applicable to Capacity Assigned & Capacity Exempt Customers Returning to Sales Service)

Line	Item	HLF	(50, 51, 52)	(40, 41, 42)	Weighted Average	Reference
8	Summer Demand Cost of Gas Rate	\$	0.1099	\$ 0.2151	\$ 0.1988	No Change from Page 7 - Lines 188 and 208 of CAK-13
9	Summer Commodity Cost of Gas Rate	\$	0.4989	\$ 0.4989	\$ 0.4989	No Change from Page 7 - Lines 194 and 214 of Summary
10	Summer Indirect Cost of Gas	\$	0.0243	\$ 0.0243	\$ 0.0243	No Change from Page 7 - Lines 196 and 216 of Summary
11	Summer Cost of Gas Rate (Exclusive of Credits)	\$	0.6331	\$ 0.7383	\$ 0.7220	Sum Lines 8 through 10
12	Summer Cost of Gas Rate for Incumbent Sales Customers	\$	0.6331	\$ 0.7383	\$ 0.7220	Page 7 - Lines 181 and 201 of CAK-13
13	Summer Re-Entry Surcharge	\$	-	\$ -	\$ -	Positive Difference between Line 11 and Line 12
14	Projected Sales (therms)		2,206,001	2,770,809	4,976,810	Page 7 - Lines 193 and 213 of CAK-13

`

Docket No. DG 22-059 Exhibit 4

> Attachment NUI-FXW-11 Page 2 of 11

Winter Period Conversion Surcharge Calculation (Applicable to Capacity Exempt Customers Returning to Sales Service)

Line	Item	HLF (50	0, 51, 52)	LLF (40, 41, 4	LLF (40, 41, 42)		
1	LLF Winter Demand Cost of Gas Rate	\$	0.3081	\$ 0.30	081	No Change from Page 3 - Lines 79 and 99 of CAK-13	
2	LLF Winter Commodity Cost of Gas Rate	\$	0.8888	\$ 0.88	888	No Change from Page 3 - Lines 85 and 105 of CAK-13	
3	LLF Winter Indirect Cost of Gas	\$	0.0251	\$ 0.02	251	Prior Period Over Collection removed from Page 3, Lines 87 and 107 of CAK-13	
4	Floor Price (LLF Winter Cost of Gas Rate, Exclusive of Credits)	\$	1.2220	\$ 1.22	220	Sum Lines 1 through 3.	
5	Total Incremental Cost	\$	2.7025	\$ 2.70	025	See Line 15 of Incremental Commodity Price Worksheet	
6	Total Conversion Rate	\$	2.7025	\$ 2.70	025	Maximum of Line 4 and Line 5	
7	Winter Gas Adjustment Factor for Incumbent Sales Customers	\$	1.0604	\$ 1.14	496	Page 3 - Lines 85 and 105 of Summary	
8	Conversion Surcharge	\$	1.6421	\$ 1.55	529	Positive Difference between Line 6 and Line 7	

Attachment NUI-FXW-11 Page 3 of 11

Incremental Commodity Price Worksheet Based on 9/7/2022 NYMEX and Algonquin Basis Settlement Prices

Line	Month	9/7/2022 NYMEX Settlement	Projected PNGTS Delivered Basis (9/7/2022 Algonquin Basis plus \$0.75 per Dth)	Projected F	OM Index	Projected Non-Capacity Assigned Delivery Service Loads	Comments
1	Nov-22	\$ 7.901	\$ 6.015	\$	13.916	220,579	
2	Dec-22	\$ 8.035	\$ 22.390	\$	30.425	223,362	
3	Jan-23	\$ 8.115	\$ 33.423	\$	41.538	238,274	
4	Feb-23	\$ 7.818	\$ 32.763	\$	40.581	225,418	
5	Mar-23	\$ 6.705	\$ 10.908	\$	17.613	235,373	
6	Apr-23	\$ 5.352	\$ 2.035	\$	7.387	208,662	
7	Winter Period Weigthed A	verage Baseload Price (\$	/Dth)	\$	25.596	1,351,668	Average, Weighted by Loads, Lines 1 through 6
8	Load Shape Price Factor				1.034		See Load Shape Price Factor Worksheet
9	Winter Period Incremental	Load Shape Price (\$/Dt	h)	\$	26.466		Line 7 times Line 8
10	Granite Fuel				0.35%		Granite Tariff
11	Granite Variable Transport	: (\$/Dth)		\$	0.2039		Granite Tariff (IT Daily Rate plus ACA)
12	Northern City-Gate Price (\$	\$/Dth)		\$	26.763		Line 9 times (1 plus Line 10) plus Line 11
13	New Hampshire Division Ci	ity-Gate Sendout to Sale	s Ratio		1.0098		See Att 2 to Sch 10B
14	Northern Retail Meter Pric	e (\$/Dth)		\$	27.025		Line 12 times Line 13
15	Northern Retail Meter Pric	e (\$/therm)		\$	2.7025		Line 14 divided by 10

Attachment NUI-FXW-11 Page 4 of 11

		Historic I	Delivery Service	Loads	Delivery Service Loads Not Subject to Capacity Assignment				2021-2022 Cost Analysis			
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total		City-Gate Price	AGT	City-Gate Cost	
Nov-21	11/1/2021	7,747	5,075	12,822	7,747	-	7,747	\$	4.905	\$	37,999	
Nov-21	11/2/2021	8,208	5,480	13,688	8,208	-	8,208	\$	5.220	\$	42,846	
Nov-21	11/3/2021	8,807	6,672	15,479	8,807	-	8,807	\$	5.715	\$	50,332	
Nov-21	11/4/2021	8,370	6,728	15,098	8,370	-	8,370	\$	6.020	\$	50,387	
Nov-21	11/5/2021	8,202	6,786	14,988	8,202	-	8,202	\$	5.750	\$	47,162	
Nov-21	11/6/2021	6,075	6,250	12,325	6,075	-	6,075	\$	5.210	\$	31,651	
Nov-21	11/7/2021	5,728	6,078	11,806	5,728	-	5,728	\$	5.210	\$	29,843	
Nov-21	11/8/2021	7,946	5,706	13,652	7,946	-	7,946	\$	5.210	\$	41,399	
Nov-21	11/9/2021	7,659	4,385	12,044	7,659	-	7,659	\$	4.920	\$	37,682	
Nov-21	11/10/2021	8,130	6,319	14,449	8,130	-	8,130	\$	4.605	\$	37,439	
Nov-21	11/11/2021	7,419	5,269	12,688	7,419	-	7,419	\$	4.135	\$	30,678	
Nov-21	11/12/2021	6,777	5,076	11,853	6,777	-	6,777	\$	4.215	\$	28,565	
Nov-21	11/13/2021	6,196	5,240	11,436	6,196	-	6,196	\$	5.170	\$	32,033	
Nov-21	11/14/2021	5,062	5,611	10,673	5,062	-	5,062	\$	5.170	\$	26,171	
Nov-21	11/15/2021	7,722	7,068	14,790	7,722	-	7,722	\$	5.170	\$	39,923	
Nov-21	11/16/2021	8,675	7,231	15,906	8,675	-	8,675	\$	5.070	\$	43,982	
Nov-21	11/17/2021	8,025	6,341	14,366	8,025	-	8,025	\$	4.900	\$	39,323	
Nov-21	11/18/2021	7,215	4,943	12,158	7,215	-	7,215	\$	4.555	\$	32,864	
Nov-21	11/19/2021	8,253	6,747	15,000	8,253	-	8,253	\$	5.035	\$	41,554	
Nov-21	11/20/2021	7,674	6,383	14,057	7,674	-	7,674	\$	4.920	\$	37,756	
Nov-21	11/21/2021	4,879	5,187	10,066	4,879	-	4,879	\$	4.920	\$	24,005	
Nov-21	11/22/2021	7,936	7,081	15,017	7,936	-	7,936	\$	4.920	\$	39,045	
Nov-21	11/23/2021	9,152	8,841	17,993	9,152	-	9,152	\$	9.640	\$	88,225	
Nov-21	11/24/2021	6,701	7,737	14,438	6,701	-	6,701	\$	5.560	\$	37,258	
Nov-21	11/25/2021	4,122	5,507	9,629	4,122	-	4,122	\$	6.885	\$	28,380	
Nov-21	11/26/2021	4,688	7,023	11,711	4,688	-	4,688	\$	6.885	\$	32,277	
Nov-21	11/27/2021	5,370	8,055	13,425	5,370	-	5,370	\$	6.885	\$	36,972	
Nov-21	11/28/2021	6,146	7,534	13,680	6,146	-	6,146	\$	6.885	\$	42,315	
Nov-21	11/29/2021	9,118	8,653	17,771	9,118	-	9,118	\$	6.885	\$	62,777	

Attachment NUI-FXW-11 Page 5 of 11

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment				2021-2022 Cost Analysis			
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT	City-Gate Price	AG	City-Gate	
Nov-21	11/30/2021	7,822	8,001	15,823	7,822	-	7,822	\$	8.325	\$	65,118	
Dec-21	12/1/2021	6,307	7,529	13,836	6,307	-	6,307	\$	7.855	\$	49,541	
Dec-21	12/2/2021	6,030	6,310	12,340	6,030	-	6,030	\$	4.925	\$	29,698	
Dec-21	12/3/2021	6,370	8,479	14,849	6,370	-	6,370	\$	7.745	\$	49,336	
Dec-21	12/4/2021	5,568	7,306	12,874	5,568	-	5,568	\$	4.925	\$	27,422	
Dec-21	12/5/2021	5,329	6,431	11,760	5,329	-	5,329	\$	4.925	\$	26,245	
Dec-21	12/6/2021	5,504	5,836	11,340	5,504	-	5,504	\$	4.925	\$	27,107	
Dec-21	12/7/2021	6,865	8,173	15,038	6,865	-	6,865	\$	7.565	\$	51,934	
Dec-21	12/8/2021	7,116	9,339	16,455	7,116	-	7,116	\$	12.140	\$	86,388	
Dec-21	12/9/2021	7,254	8,743	15,997	7,254	-	7,254	\$	8.615	\$	62,493	
Dec-21	12/10/2021	5,968	7,171	13,139	5,968	-	5,968	\$	3.710	\$	22,141	
Dec-21	12/11/2021	4,591	5,337	9,928	4,591	-	4,591	\$	3.885	\$	17,836	
Dec-21	12/12/2021	5,480	6,861	12,341	5,480	-	5,480	\$	3.885	\$	21,290	
Dec-21	12/13/2021	5,956	6,419	12,375	5,956	-	5,956	\$	3.885	\$	23,139	
Dec-21	12/14/2021	6,508	7,826	14,334	6,508	-	6,508	\$	4.550	\$	29,611	
Dec-21	12/15/2021	5,679	7,217	12,896	5,679	-	5,679	\$	3.520	\$	19,990	
Dec-21	12/16/2021	5,452	5,515	10,967	5,452	-	5,452	\$	3.510	\$	19,137	
Dec-21	12/17/2021	5,123	6,091	11,214	5,123	-	5,123	\$	3.860	\$	19,775	
Dec-21	12/18/2021	5,105	7,539	12,644	5,105	-	5,105	\$	28.060	\$	143,246	
Dec-21	12/19/2021	5,966	9,136	15,102	5,966	-	5,966	\$	28.060	\$	167,406	
Dec-21	12/20/2021	5,851	8,797	14,648	5,851	-	5,851	\$	28.060	\$	164,179	
Dec-21	12/21/2021	5,708	8,133	13,841	5,708	-	5,708	\$	7.660	\$	43,723	
Dec-21	12/22/2021	5,703	8,515	14,218	5,703	-	5,703	\$	9.950	\$	56,745	
Dec-21	12/23/2021	5,692	9,461	15,153	5,692	-	5,692	\$	14.580	\$	82,989	
Dec-21	12/24/2021	5,245	8,511	13,756	5,245	-	5,245	\$	7.335	\$	38,472	
Dec-21	12/25/2021	4,767	7,724	12,491	4,767	-	4,767	\$	7.335	\$	34,966	
Dec-21	12/26/2021	5,226	8,114	13,340	5,226	-	5,226	\$	7.335	\$	38,333	
Dec-21	12/27/2021	7,936	8,269	16,205	7,936	-	7,936	\$	7.335	\$	58,211	
Dec-21	12/28/2021	7,734	7,483	15,217	7,734	-	7,734	\$	4.600	\$	35,576	

Attachment NUI-FXW-11 Page 6 of 11

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment				2021-2022 Cost Analysis			
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total		City-Gate Price	AGT	City-Gate Cost	
Dec-21	12/29/2021	7,064	7,451	14,515	7,064	-	7,064	\$	4.115	\$	29,068	
Dec-21	12/30/2021	6,402	7,325	13,727	6,402	-	6,402	\$	3.780	\$	24,200	
Dec-21	12/31/2021	4,093	6,467	10,560	4,093	-	4,093	\$	3.780	\$	15,472	
Jan-22	1/1/2022	3,804	6,170	9,974	3,804	-	3,804	\$	5.490	\$	20,884	
Jan-22	1/2/2022	4,505	7,825	12,330	4,505	-	4,505	\$	5.490	\$	24,732	
Jan-22	1/3/2022	7,250	10,346	17,596	7,250	-	7,250	\$	5.490	\$	39,803	
Jan-22	1/4/2022	7,734	9,368	17,102	7,734	-	7,734	\$	10.570	\$	81,748	
Jan-22	1/5/2022	7,250	7,747	14,997	7,250	-	7,250	\$	6.950	\$	50,388	
Jan-22	1/6/2022	6,610	8,117	14,727	6,610	-	6,610	\$	11.560	\$	76,412	
Jan-22	1/7/2022	7,236	9,640	16,876	7,236	-	7,236	\$	23.115	\$	167,260	
Jan-22	1/8/2022	6,595	9,377	15,972	6,595	-	6,595	\$	21.960	\$	144,826	
Jan-22	1/9/2022	5,468	8,012	13,480	5,468	-	5,468	\$	21.960	\$	120,077	
Jan-22	1/10/2022	8,385	11,091	19,476	8,385	-	8,385	\$	21.960	\$	184,135	
Jan-22	1/11/2022	9,119	12,288	21,407	9,119	-	9,119	\$	20.120	\$	183,474	
Jan-22	1/12/2022	8,220	8,273	16,493	8,220	-	8,220	\$	16.330	\$	134,233	
Jan-22	1/13/2022	7,918	7,723	15,641	7,918	-	7,918	\$	18.960	\$	150,125	
Jan-22	1/14/2022	8,135	10,300	18,435	8,135	-	8,135	\$	25.000	\$	203,375	
Jan-22	1/15/2022	8,251	12,276	20,527	8,251	-	8,251	\$	26.940	\$	222,282	
Jan-22	1/16/2022	5,767	8,886	14,653	5,767	-	5,767	\$	26.940	\$	155,363	
Jan-22	1/17/2022	7,365	7,920	15,285	7,365	-	7,365	\$	26.940	\$	198,413	
Jan-22	1/18/2022	8,985	11,048	20,033	8,985	-	8,985	\$	26.940	\$	242,056	
Jan-22	1/19/2022	8,122	7,457	15,579	8,122	-	8,122	\$	14.985	\$	121,708	
Jan-22	1/20/2022	8,748	10,964	19,712	8,748	-	8,748	\$	22.690	\$	198,492	
Jan-22	1/21/2022	8,525	11,252	19,777	8,525	-	8,525	\$	21.635	\$	184,438	
Jan-22	1/22/2022	6,124	10,000	16,124	6,124	-	6,124	\$	21.595	\$	132,248	
Jan-22	1/23/2022	5,764	8,751	14,515	5,764	-	5,764	\$	21.595	\$	124,474	
Jan-22	1/24/2022	7,988	8,990	16,978	7,988	-	7,988	\$	21.595	\$	172,501	
Jan-22	1/25/2022	8,035	9,636	17,671	8,035	-	8,035	\$	20.730	\$	166,566	
Jan-22	1/26/2022	8,701	11,863	20,564	8,701	-	8,701	\$	24.615	\$	214,175	

Attachment NUI-FXW-11 Page 7 of 11

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment				2021-2022 Cost Analysis			
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT	City-Gate Price	AG	City-Gate	
Jan-22	1/27/2022	8,954	9,775	18,729	8,954	-	8,954	\$	20.710	\$	185,437	
Jan-22	1/28/2022	8,096	8,763	16,859	8,096	-	8,096	\$	23.380	\$	189,284	
Jan-22	1/29/2022	5,603	11,809	17,412	5,603	-	5,603	\$	27.930	\$	156,492	
Jan-22	1/30/2022	6,530	11,244	17,774	6,530	-	6,530	\$	27.930	\$	182,383	
Jan-22	1/31/2022	8,638	10,676	19,314	8,638	-	8,638	\$	27.930	\$	241,259	
Feb-22	2/1/2022	9,105	8,774	17,879	9,105	-	9,105	\$	22.655	\$	206,274	
Feb-22	2/2/2022	7,959	7,198	15,157	7,959	-	7,959	\$	12.630	\$	100,522	
Feb-22	2/3/2022	7,711	7,191	14,902	7,711	-	7,711	\$	14.860	\$	114,585	
Feb-22	2/4/2022	8,677	10,004	18,681	8,677	-	8,677	\$	22.805	\$	197,879	
Feb-22	2/5/2022	8,732	11,083	19,815	8,732	-	8,732	\$	21.335	\$	186,297	
Feb-22	2/6/2022	8,664	9,508	18,172	8,664	-	8,664	\$	21.335	\$	184,846	
Feb-22	2/7/2022	7,917	7,718	15,635	7,917	-	7,917	\$	21.335	\$	168,909	
Feb-22	2/8/2022	8,413	7,992	16,405	8,413	-	8,413	\$	11.990	\$	100,872	
Feb-22	2/9/2022	8,038	8,024	16,062	8,038	-	8,038	\$	10.825	\$	87,011	
Feb-22	2/10/2022	7,301	7,173	14,474	7,301	-	7,301	\$	8.325	\$	60,781	
Feb-22	2/11/2022	6,719	5,915	12,634	6,719	-	6,719	\$	4.210	\$	28,287	
Feb-22	2/12/2022	6,908	6,654	13,562	6,908	-	6,908	\$	14.550	\$	100,511	
Feb-22	2/13/2022	6,006	9,557	15,563	6,006	-	6,006	\$	14.550	\$	87,387	
Feb-22	2/14/2022	9,021	11,766	20,787	9,021	-	9,021	\$	14.550	\$	131,256	
Feb-22	2/15/2022	9,167	10,562	19,729	9,167	-	9,167	\$	22.475	\$	206,028	
Feb-22	2/16/2022	7,341	6,812	14,153	7,341	-	7,341	\$	4.685	\$	34,393	
Feb-22	2/17/2022	6,363	4,104	10,467	6,363	-	6,363	\$	4.130	\$	26,279	
Feb-22	2/18/2022	8,065	9,263	17,328	8,065	-	8,065	\$	8.165	\$	65,851	
Feb-22	2/19/2022	8,522	9,573	18,095	8,522	-	8,522	\$	9.665	\$	82,365	
Feb-22	2/20/2022	6,068	8,464	14,532	6,068	-	6,068	\$	9.665	\$	58,647	
Feb-22	2/21/2022	7,194	6,822	14,016	7,194	-	7,194	\$	9.665	\$	69,530	
Feb-22	2/22/2022	6,859	5,783	12,642	6,859	-	6,859	\$	9.665	\$	66,292	
Feb-22	2/23/2022	6,954	7,880	14,834	6,954	-	6,954	\$	4.695	\$	32,649	
Feb-22	2/24/2022	8,107	9,357	17,464	8,107	-	8,107	\$	15.085	\$	122,294	

Attachment NUI-FXW-11 Page 8 of 11

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment				2021-2022 Cost Analysis			
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT	City-Gate Price	AG	City-Gate	
Feb-22	2/25/2022	7,689	10,726	18,415	7,689	-	7,689	\$	23.745	\$	182,575	
Feb-22	2/26/2022	7,217	9,006	16,223	7,217	-	7,217	\$	23.390	\$	168,806	
Feb-22	2/27/2022	5,968	9,573	15,541	5,968	-	5,968	\$	23.390	\$	139,592	
Feb-22	2/28/2022	8,372	10,951	19,323	8,372	-	8,372	\$	23.390	\$	195,821	
Mar-22	3/1/2022	8,227	8,197	16,424	8,227	-	8,227	\$	7.930	\$	65,240	
Mar-22	3/2/2022	8,112	8,428	16,540	8,112	-	8,112	\$	5.065	\$	41,087	
Mar-22	3/3/2022	9,120	10,282	19,402	9,120	-	9,120	\$	21.545	\$	196,490	
Mar-22	3/4/2022	8,705	9,003	17,708	8,705	-	8,705	\$	15.375	\$	133,839	
Mar-22	3/5/2022	7,283	6,954	14,237	7,283	-	7,283	\$	4.730	\$	34,449	
Mar-22	3/6/2022	5,543	4,567	10,110	5,543	-	5,543	\$	4.730	\$	26,218	
Mar-22	3/7/2022	7,112	6,592	13,704	7,112	-	7,112	\$	4.730	\$	33,640	
Mar-22	3/8/2022	8,160	8,170	16,330	8,160	-	8,160	\$	4.850	\$	39,576	
Mar-22	3/9/2022	8,096	8,172	16,268	8,096	-	8,096	\$	5.295	\$	42,868	
Mar-22	3/10/2022	7,806	6,836	14,642	7,806	-	7,806	\$	4.605	\$	35,947	
Mar-22	3/11/2022	6,697	6,088	12,785	6,697	-	6,697	\$	4.590	\$	30,739	
Mar-22	3/12/2022	7,042	8,409	15,451	7,042	-	7,042	\$	7.610	\$	53,590	
Mar-22	3/13/2022	6,062	8,205	14,267	6,062	-	6,062	\$	7.610	\$	46,132	
Mar-22	3/14/2022	7,860	6,435	14,295	7,860	-	7,860	\$	7.610	\$	59,815	
Mar-22	3/15/2022	7,885	6,420	14,305	7,885	-	7,885	\$	4.400	\$	34,694	
Mar-22	3/16/2022	7,360	6,506	13,866	7,360	-	7,360	\$	3.980	\$	29,293	
Mar-22	3/17/2022	6,943	5,410	12,353	6,943	-	6,943	\$	4.005	\$	27,807	
Mar-22	3/18/2022	6,497	4,423	10,920	6,497	-	6,497	\$	4.010	\$	26,053	
Mar-22	3/19/2022	6,157	5,568	11,725	6,157	-	6,157	\$	4.030	\$	24,813	
Mar-22	3/20/2022	4,892	5,242	10,134	4,892	-	4,892	\$	4.030	\$	19,715	
Mar-22	3/21/2022	8,035	6,567	14,602	8,035	-	8,035	\$	4.030	\$	32,381	
Mar-22	3/22/2022	8,194	7,618	15,812	8,194	-	8,194	\$	4.645	\$	38,061	
Mar-22	3/23/2022	7,606	6,677	14,283	7,606	-	7,606	\$	4.985	\$	37,916	
Mar-22	3/24/2022	7,575	7,026	14,601	7,575	-	7,575	\$	4.955	\$	37,534	
Mar-22	3/25/2022	6,686	5,029	11,715	6,686	-	6,686	\$	4.655	\$	31,123	

Attachment NUI-FXW-11 Page 9 of 11

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment				2021-2022 Cost Analysis			
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total		City-Gate Price	AGT	City-Gate Cost	
Mar-22	3/26/2022	6,366	5,505	11,871	6,366	-	6,366	\$	8.615	\$	54,843	
Mar-22	3/27/2022	5,985	7,160	13,145	5,985	-	5,985	\$	8.615	\$	51,561	
Mar-22	3/28/2022	9,156	9,808	18,964	9,156	-	9,156	\$	8.615	\$	78,879	
Mar-22	3/29/2022	9,147	8,530	17,677	9,147	-	9,147	\$	12.725	\$	116,396	
Mar-22	3/30/2022	7,774	6,388	14,162	7,774	-	7,774	\$	5.525	\$	42,951	
Mar-22	3/31/2022	6,894	4,868	11,762	6,894	-	6,894	\$	4.790	\$	33,022	
Apr-22	4/1/2022	7,208	5,719	12,927	7,208	-	7,208	\$	5.465	\$	39,392	
Apr-22	4/2/2022	7,240	5,740	12,980	7,240	-	7,240	\$	5.375	\$	38,915	
Apr-22	4/3/2022	5,954	6,179	12,133	5,954	-	5,954	\$	5.375	\$	32,003	
Apr-22	4/4/2022	7,517	5,930	13,447	7,517	-	7,517	\$	5.375	\$	40,404	
Apr-22	4/5/2022	7,661	5,912	13,573	7,661	-	7,661	\$	5.515	\$	42,250	
Apr-22	4/6/2022	7,624	6,058	13,682	7,624	-	7,624	\$	5.875	\$	44,791	
Apr-22	4/7/2022	6,910	6,060	12,970	6,910	-	6,910	\$	6.385	\$	44,120	
Apr-22	4/8/2022	6,620	5,102	11,722	6,620	-	6,620	\$	5.890	\$	38,992	
Apr-22	4/9/2022	6,541	5,489	12,030	6,541	-	6,541	\$	6.085	\$	39,802	
Apr-22	4/10/2022	6,804	5,673	12,477	6,804	-	6,804	\$	6.085	\$	41,402	
Apr-22	4/11/2022	6,883	4,857	11,740	6,883	-	6,883	\$	6.085	\$	41,883	
Apr-22	4/12/2022	7,146	4,856	12,002	7,146	-	7,146	\$	6.000	\$	42,876	
Apr-22	4/13/2022	6,905	5,247	12,152	6,905	-	6,905	\$	6.135	\$	42,362	
Apr-22	4/14/2022	6,648	5,859	12,507	6,648	-	6,648	\$	6.285	\$	41,783	
Apr-22	4/15/2022	5,987	3,488	9,475	5,987	-	5,987	\$	6.935	\$	41,520	
Apr-22	4/16/2022	6,106	4,833	10,939	6,106	-	6,106	\$	6.935	\$	42,345	
Apr-22	4/17/2022	4,935	5,958	10,893	4,935	-	4,935	\$	6.935	\$	34,224	
Apr-22	4/18/2022	6,938	6,102	13,040	6,938	-	6,938	\$	6.935	\$	48,115	
Apr-22	4/19/2022	7,550	6,091	13,641	7,550	-	7,550	\$	7.790	\$	58,815	
Apr-22	4/20/2022	8,072	6,114	14,186	8,072	-	8,072	\$	7.745	\$	62,518	
Apr-22	4/21/2022	7,329	4,941	12,270	7,329	-	7,329	\$	6.665	\$	48,848	
Apr-22	4/22/2022	7,180	4,899	12,079	7,180	-	7,180	\$	7.290	\$	52,342	
Apr-22	4/23/2022	5,932	4,676	10,608	5,932	-	5,932	\$	5.950	\$	35,295	

Attachment NUI-FXW-11 Page 10 of 11

		Historic	Delivery Service	Loads	•	rvice Loads Not pacity Assignme	•	20)21-2022 (Cost /	Analysis
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total		City-Gate Price	AGT	City-Gate Cost
Apr-22	4/24/2022	4,958	5,177	10,135	4,958	-	4,958	\$	5.950	\$	29,500
Apr-22	4/25/2022	7,636	5,540	13,176	7,636	-	7,636	\$	5.950	\$	45,434
Apr-22	4/26/2022	7,703	5,029	12,732	7,703	-	7,703	\$	7.800	\$	60,083
Apr-22	4/27/2022	7,874	6,286	14,160	7,874	-	7,874	\$	6.795	\$	53,504
Apr-22	4/28/2022	8,463	6,031	14,494	8,463	-	8,463	\$	10.210	\$	86,407
Apr-22	4/29/2022	7,079	5,256	12,335	7,079	-	7,079	\$	6.440	\$	45,589
Apr-22	4/30/2022	5,637	4,764	10,401	5,637	-	5,637	\$	6.440	\$	36,302
Winter Period		1,278,915	1,340,484	2,619,399	1,278,915	-	1,278,915	\$	10.568	\$13	3,515,702
					\	Weighted Avera Straight Avera Load Shap		\$	10.568 10.225 1.034		

Docket No. DG 22-059 Exhibit 4

Attachment NUI-FXW-11 Page 11 of 11

	Projecte	d Delivery Servi	ce Loads	Delivery Service	Loads Not Subj	ject to Capacity
	Projecte	a Delivery Servi	ce Luaus		Assignment	
Month	Capacity	Capacity	Total	Capacity	Capacity	Total
MOHUH	Exempt	Assigned	TOtal	Exempt	Assigned	TOtal
Nov-22	220,579	206,384	426,963	220,579	-	220,579
Dec-22	223,362	231,875	455,237	223,362	-	223,362
Jan-23	238,274	258,865	497,139	238,274	-	238,274
Feb-23	225,418	238,518	463,936	225,418	-	225,418
Mar-23	235,373	243,228	478,601	235,373	-	235,373
Apr-23	208,662	198,649	407,311	208,662	-	208,662
Winter	1,351,668	1,377,519	2,729,187	1,351,668	-	1,351,668

Typical Residential Heating Bill - 706 therms/year Comparison of Winter 2022-2023 vs. Winter 2021-2022

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 1 of 10

					Comparis	on of Win	ter 2022-2	023 vs. v	vinter 2021-	2022							•
1			Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
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		\$ 22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$22.20	\$133.20								
	units @																
5 All	units @	\$0.9266	\$46.83	\$89.37	\$116.17	\$112.49	\$110.21	\$64.56	\$539.63								
6	COG 1	\$1.1289	\$57.05						\$57.05								
7	COG 2	\$1.1289		\$108.88					\$108.88								
8	COG 3	\$1.1289			\$141.53				\$141.53								
9	COG 4	\$1.1289				\$137.06			\$137.06								
10	COG 5	\$1.1289					\$134.27		\$134.27								
11	COG 6	\$1.1289						\$78.66	\$78.66								
12	LDAC	\$0.1845	\$9.32	\$17.80	\$23.13	\$22.40	\$21.94	\$12.86	\$107.45								
13	Summer 2023																
14 Customer Charge	units @	\$ 22.20								\$ 22.20	\$22.20	\$22.20	\$22.20 \$	22.20	\$22.20	\$133.20	
													\$22.20 \$	22.20	\$22.20		
15 All	units @	\$0.9266								\$39.60	\$17.16	\$12.52			***	\$69.28	
16 All eff. Aug 1, 2023		\$0.9259											\$11.72	\$11.58	\$22.02	\$45.33	
17	COG 1	\$0.6916								\$29.56						\$29.56	
18	COG 2	\$0.6916									\$12.81					\$12.81	
19	COG 3	\$0.6916										\$9.35				\$9.35	
20	COG 4	\$0.6916											\$8.76			\$8.76	
21	COG 5	\$0.6916												\$8.65		\$8.65	
22	COG 6	\$0.6916													\$16.45	\$16.45	
	eriod Weighted Avg. COG	\$0.6916													*	*	
24	LDAC									\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83	
	LDAC																
25		TOTAL	\$135.41	\$238.25	\$303.02	\$294.15	\$288.62	\$178.27	\$1,437.72	\$99.24	\$55.59	\$46.56	\$45.01	\$44.75	\$65.06	\$356.21	\$1,793.93
Base Rate Change	Winter	\$ Change	\$8.40	\$16.04	\$20.85	\$20.19	\$19.78	\$11.59	\$96.85								
base Nate Change	e willer	\$ Change	\$0.40	\$10.04	φ20.00	\$20.19	φ19.70	\$11.59	\$90.00								
		% Change	7.55%	8.35%	8.75%	8.51%	7.98%	7.51%	8.20%								
COG Change Win	tor	\$ Change	\$9.59	\$18.30	\$29.01	\$22.18	\$8.83	\$5.17	\$93.07								
COG Change Will	lei																
		% Change	8.62%	9.52%	12.17%	9.34%	3.56%	3.35%	7.88%								
LDAC Change Wir	nter	\$ Change	\$6.14	\$11.71	\$14.88	\$14.41	\$12.24	\$7.17	\$66.54								
		% Change	5.51%	6.09%	6.25%	6.07%	4.94%	4.65%	5.63%								
																_	
26			Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
26 27	Typical Usage: therms		Nov 51	Dec 96	Jan 125	Feb 121	Mar 119	Apr 70	Winter 582	May 43	June 19	July 14	August 13	Sept 13	October 24	Summer 124	Annual 706
	Typical Usage: therms Winter 2021 - 2022							Apr 70		May 43							
27 28	Winter 2021 - 2022	\$ 22.20	51	96	125	121	119	70	582	May 43							
27 28 29 Customer Charge	Winter 2021 - 2022 units @	\$ 22.20 \$0.7603	51 \$22.20	96 \$22.20	125 \$22.20	121 \$22.20	119 \$22.20	70 \$22.20	582 \$133.20	May 43							
27 28 29 Customer Charge 30 First	Winter 2021 - 2022 units @ 50 units @	\$0.7603	\$22.20 \$38.02	96 \$22.20 \$38.02	\$22.20 \$38.02	\$22.20 \$38.02	\$22.20 \$38.02	70 \$22.20 \$38.02	582 \$133.20 \$228.09	May 43							
27 28 29 Customer Charge 30 First 31 Over	Winter 2021 - 2022 units @ 50 units @ 50 units @	\$0.7603 \$0.7603	\$22.20 \$38.02 \$0.41	96 \$22.20	125 \$22.20	121 \$22.20	119 \$22.20	70 \$22.20	\$133.20 \$228.09 \$214.69	May 43							
27 28 29 Customer Charge 30 First 31 Over 32	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1	\$0.7603 \$0.7603 \$0.9392	\$22.20 \$38.02	96 \$22.20 \$38.02 \$35.32	\$22.20 \$38.02	\$22.20 \$38.02	\$22.20 \$38.02	70 \$22.20 \$38.02	\$133.20 \$228.09 \$214.69 \$47.47	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2	\$0.7603 \$0.7603 \$0.9392 \$0.9392	\$22.20 \$38.02 \$0.41	96 \$22.20 \$38.02	\$22.20 \$38.02 \$57.30	\$22.20 \$38.02	\$22.20 \$38.02	70 \$22.20 \$38.02	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975	\$22.20 \$38.02 \$0.41	96 \$22.20 \$38.02 \$35.32	\$22.20 \$38.02	\$22.20 \$38.02 \$54.29	\$22.20 \$38.02	70 \$22.20 \$38.02	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462	\$22.20 \$38.02 \$0.41	96 \$22.20 \$38.02 \$35.32	\$22.20 \$38.02 \$57.30	\$22.20 \$38.02	\$22.20 \$38.02 \$52.41	70 \$22.20 \$38.02	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547	\$22.20 \$38.02 \$0.41	96 \$22.20 \$38.02 \$35.32	\$22.20 \$38.02 \$57.30	\$22.20 \$38.02 \$54.29	\$22.20 \$38.02	70 \$22.20 \$38.02 \$14.96	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547	\$22.20 \$38.02 \$0.41	96 \$22.20 \$38.02 \$35.32	\$22.20 \$38.02 \$57.30	\$22.20 \$38.02 \$54.29	\$22.20 \$38.02 \$52.41	70 \$22.20 \$38.02	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.9691	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30	\$22.20 \$38.02 \$54.29	\$22.20 \$38.02 \$52.41	70 \$22.20 \$38.02 \$14.96	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 Winter Per 39	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547	\$22.20 \$38.02 \$0.41	96 \$22.20 \$38.02 \$35.32	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41	70 \$22.20 \$38.02 \$14.96	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$0.9691 \$0.0631 \$0.0658	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30	\$22.20 \$38.02 \$54.29	\$22.20 \$38.02 \$52.41	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 Winter Per 39	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0631	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41	70 \$22.20 \$38.02 \$14.96	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC LDAC 2, January 1 LDAC 3, March 1	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$0.9691 \$0.0631 \$0.0658	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	May 43							
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 Winter Per 39 40 41	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$1.0547 \$0.0631 \$0.0631	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	43	19	14	13	13	24	124	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge	Winter 2021 - 2022 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 IOAC LDAC LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0651 \$0.0658 \$0.0816	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	43 \$22.20	19	14 \$22.20				124	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$1.0547 \$0.0631 \$0.0658 \$0.0816 \$22.20 \$0.6782	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	\$22.20 \$28.98	19 \$22.20 \$12.56	14 \$22.20 \$9.17	13	13	24	124 \$133.20 \$50.71	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 idod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$1.0547 \$0.0631 \$0.0631 \$0.0658 \$0.0816	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	43 \$22.20	19	14 \$22.20	13 \$22.20	13	24	\$133.20 \$50.71 \$0.00	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ All @	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.8841	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	\$22.20 \$28.98	19 \$22.20 \$12.56	14 \$22.20 \$9.17	13	\$22.20	24	\$133.20 \$50.71 \$0.00 \$11.19	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ All @ All @ All @	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$1.0547 \$1.0547 \$0.0631 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.6782 \$0.841 \$0.9266	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	\$22.20 \$28.98 \$0.00	19 \$22.20 \$12.56	14 \$22.20 \$9.17	13 \$22.20	13	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ All @ All @ All @ COG 1	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0651 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.8841 \$0.9266 \$0.6361	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	\$22.20 \$28.98	\$22.20 \$12.56 \$0.00	14 \$22.20 \$9.17	13 \$22.20	\$22.20	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ All @ All @ COG 2	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$0.9691 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	\$22.20 \$28.98 \$0.00	19 \$22.20 \$12.56	\$22.20 \$9.17 \$0.00	13	\$22.20	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ All @ All @ All @ COG 1	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0651 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.8841 \$0.9266 \$0.6361	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00	14 \$22.20 \$9.17	13	\$22.20	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ All @ All @ COG 2	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$0.9691 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	13	\$22.20	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48 49 50 51	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9895 \$0.9462 \$1.0547 \$1.0547 \$0.0651 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.6361 \$0.9266 \$0.6361 \$0.9126 \$0.9126	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20 \$11.59	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48 49 50 51 52	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.6782 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$0.9126 \$1.1204	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20	\$22.20 \$22.04	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 48 49 50 51 52 53	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$0.0631 \$0.0668 \$0.0816 \$22.20 \$0.6782	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20 \$11.59	24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48 49 50 51 52 53 54 Summer Pe	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 eriod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9897 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0658 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204 \$1.1204 \$0.8781	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00 \$27.18	\$22.20 \$12.56 \$0.00 \$16.90	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19	\$22.20 \$11.59	\$22.20 \$22.04 \$26.65	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 48 49 50 51 52 53	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.8975 \$0.9462 \$1.0547 \$0.0631 \$0.0668 \$0.0816 \$22.20 \$0.6782	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20 \$11.59	\$22.20 \$22.04	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 48 49 50 51 52 53 54 Summer Pe	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 eriod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.0631 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$1.0547 \$0.9266 \$0.6361 \$0.9126	\$1 \$22.20 \$38.02 \$0.41 \$47.47 \$3.19	96 \$22,20 \$38,02 \$35,32 \$90,59	\$22,20 \$38,02 \$57,30 \$112.52 \$8,25	\$22,20 \$38.02 \$54.29 \$114.87 \$7.99	\$22,20 \$38,02 \$52,41 \$125,44 \$9,71	70 \$22.20 \$38.02 \$14.96 \$73.49 \$5.69	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24 \$15.39	\$22.20 \$28.98 \$0.00 \$27.18	\$22.20 \$12.56 \$0.00 \$16.90	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19 \$11.55	\$22.20 \$11.59 \$14.02 \$1.02	\$22.20 \$22.04 \$26.65 \$1.94	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65 \$10.10	706
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48 49 50 51 52 53 54 Summer Pe	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 eriod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9897 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0658 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204 \$1.1204 \$0.8781	\$22.20 \$38.02 \$0.41 \$47.47	96 \$22.20 \$38.02 \$35.32 \$90.59	\$22.20 \$38.02 \$57.30 \$112.52	\$22.20 \$38.02 \$54.29 \$114.87	\$22.20 \$38.02 \$52.41 \$125.44	70 \$22.20 \$38.02 \$14.96 \$73.49	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49	\$22.20 \$28.98 \$0.00 \$27.18	\$22.20 \$12.56 \$0.00 \$16.90	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19	\$22.20 \$11.59	\$22.20 \$22.04 \$26.65	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65	
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 48 49 50 51 52 53 54 Summer Pe	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 eriod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.0631 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$0.6782 \$1.0547 \$0.9266 \$0.6361 \$0.9126	\$1 \$22.20 \$38.02 \$0.41 \$47.47 \$3.19	96 \$22,20 \$38,02 \$35,32 \$90,59	\$22,20 \$38,02 \$57,30 \$112.52 \$8,25	\$22,20 \$38.02 \$54.29 \$114.87 \$7.99	\$22,20 \$38,02 \$52,41 \$125,44 \$9,71	70 \$22.20 \$38.02 \$14.96 \$73.49 \$5.69	\$82 \$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24 \$15.39	\$22.20 \$28.98 \$0.00 \$27.18	\$22.20 \$12.56 \$0.00 \$16.90	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19 \$11.55	\$22.20 \$11.59 \$14.02 \$1.02	\$22.20 \$22.04 \$26.65 \$1.94	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65 \$10.10	706
27 28 29 Customer Charge 30 First 31 Over 32 33 34 35 36 37 38 Winter Per 39 40 41 42 43 Customer Charge 44 First 45 Over 46 Eff. Aug 1, 2022 47 Eff. Sept 1, 2022 48 49 50 51 52 53 54 Summer Pe	Winter 2021 - 2022 units @ 50 units @ 50 units @ 50 units @ COG 1 COG 2 COG 3 COG 4 COG 5 iod Weighted Avg. COG LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ 50 units @ 50 units @ 50 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 eriod Weighted Avg. COG	\$0.7603 \$0.7603 \$0.9392 \$0.9392 \$0.9392 \$0.9462 \$1.0547 \$1.0547 \$0.9691 \$0.0658 \$0.0816 \$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9126 \$0.9126 \$0.9126 \$1.1204 \$1.1204 \$0.8781 \$0.0816	\$1 \$22.20 \$38.02 \$0.41 \$47.47 \$3.19	96 \$22.20 \$38.02 \$35.32 \$90.59 \$6.09	\$22.20 \$38.02 \$57.30 \$112.52 \$8.25	\$22,20 \$38.02 \$54.29 \$1114.87 \$7.99	\$22.20 \$38.02 \$52.41 \$125.44 \$9.71	70 \$22.20 \$38.02 \$14.96 \$73.49 \$5.69	\$133.20 \$228.09 \$214.69 \$47.47 \$90.59 \$112.52 \$114.87 \$125.44 \$73.49 \$9.28 \$16.24 \$15.39	\$22.20 \$28.98 \$0.00 \$27.18	\$22.20 \$12.56 \$0.00 \$16.90 \$1.51	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19 \$11.55 \$1.03	\$22.20 \$11.59 \$14.02 \$48.83	\$22.20 \$22.04 \$26.65 \$1.94 \$72.83	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65 \$10.10	706 \$1,528.73

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

Typical G-40 Commercial & Industrial Bill - 2,099 therms/year Comparison of Winter 2022-2023 vs. Winter 2021-2022

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 2 of 10

				Co	mparisor	i or winte	er 2022-2	023 VS. V	vinter 2021	-2022								Page 2
1			Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual	3
2 Typical	I Usage: therms (*)		138	290	401	397	373	213	1,812	111	40	26	26	26	59	287	2,099	
3 Winter 2	2022 - 2023																	
4 Customer Charge units @	D) \$	80.00	\$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	\$463.03									
6 COG 1	1	\$1.1428	\$157.96						\$157.96									
7 COG 2		\$1.1428		\$331.26					\$331.26									
8 COG 3		\$1.1428			\$458.00				\$458.00									
9 COG 4		\$1.1428				\$453.76			\$453.76									
10 COG 5		\$1.1428					\$426.24		\$426.24									
11 COG 6		\$1.1428						\$243.03	\$243.03									
12 LDAC		\$0.0488	\$6.75	\$14.15	\$19.56	\$19.38	\$18.20	\$10.38	\$88.40									
	ner 2023																	
14 Customer Charge units @										\$ 80.00	\$80.00	\$80.00	\$80.00	\$ 80.00	\$80.00	\$480.00		
15 All units @		\$0.2556								\$28.38	\$10.21	\$6.62				\$45.20		
16 All eff. Aug 1, 2023 units @		\$0.2554											\$6.62	\$6.56	\$15.04	\$28.21		
17 COG 1		\$0.7383								\$81.97	000.40					\$81.97		
18 COG 2		\$0.7383									\$29.48	C40.44				\$29.48		
19 COG 3 20 COG 4		\$0.7383 \$0.7383										\$19.11	\$19.13			\$19.11 \$19.13		
21 COG 4		\$0.7383											\$19.13	\$18.95		\$18.95		
22 COG 6		\$0.7383												φ10.93	040.47	\$43.47		
23 Summer Period Weighte		\$0.7383													\$43.47	\$43.47		
24 LDAC		0.0488								\$5.42	\$1.95	\$1.26	\$1.26	\$1.25	\$2.87	\$14.02		
		_								T T T T T				7				
25	T	OTAL	\$280.03	\$499.49	\$659.99	\$654.62	\$619.78	\$387.77	\$3,101.68	\$195.77	\$121.64	\$106.99	\$107.02	\$106.76	\$141.38	\$779.55	\$3,881.23	
Base Rate Change Winter	\$	Change	\$11.35	\$18.42	\$23.59	\$23.41	\$22.29	\$14.82	\$113.88									
	%	6 Change	5%	4%	4%	4%	4%	4%	4%									
COG Change Winter	\$	Change	\$25.94	\$54.41	\$91.94	\$71.75	\$26.93	\$15.35	\$286.32									
	%	6 Change	11%	13%	17%	13%	5%	4%	11%									
LDAC Change Winter	\$	Change	\$1.77	\$3.71	\$1.60	\$1.59	-\$0.60	-\$0.34	\$7.73									
		6 Change	0.7%	0.9%	0.3%	0.3%	-0.1%	-0.1%	0.3%									
						*****			41474									
26			Nov	Dec	Jan	Feb	Mar	Apr	Winter	Mav	June	July	August	Sept	October	Summer	Annual	
26 27 Typical	ıl Usage: therms		Nov 138	Dec 290	Jan 401	Feb 397	Mar 373	Apr 213	Winter 1,812	May 111	June 40	July 26	August 26	Sept 26	October 59	Summer 287	Annual 2,099	
27 Typical	al Usage: therms 2021 - 2022																	
27 Typical	2021 - 2022	75.09																
Typical Winter 2	2021 - 2022 ② \$	5 75.09 \$0.2090	138	290	401	397	373	213	1,812									
27 Typical 28 Winter 2 29 Customer Charge units @	2021 - 2022 D \$ D	\$0.2090 \$0.2090	138 \$75.09 \$15.68 \$13.21	290 \$75.09	401 \$75.09	397 \$75.09	373 \$75.09	213 \$75.09	1,812 \$450.54									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1	2021 - 2022 ② \$ ③ ③	\$0.2090 \$0.2090 \$0.9551	138 \$75.09 \$15.68	290 \$75.09 \$15.68 \$44.91	401 \$75.09 \$15.68	397 \$75.09 \$15.68	373 \$75.09 \$15.68	213 \$75.09 \$15.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01									
27 Typical 28 Winter 2 29 Customer Charge units @ 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2	2021 - 2022	\$0.2090 \$0.2090 \$0.9551 \$0.9551	138 \$75.09 \$15.68 \$13.21	290 \$75.09 \$15.68	\$75.09 \$15.68 \$68.09	397 \$75.09 \$15.68	373 \$75.09 \$15.68	213 \$75.09 \$15.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85									
27 Typical 28 Winter 2 29 Customer Charge units @ 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3	2021 - 2022 ② \$ ② 9 0 1 2 3	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9134	138 \$75.09 \$15.68 \$13.21	290 \$75.09 \$15.68 \$44.91	401 \$75.09 \$15.68	397 \$75.09 \$15.68 \$67.31	373 \$75.09 \$15.68	213 \$75.09 \$15.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 6	2021 - 2022 ② \$ ② \$ ② \$ 2 3	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9134 \$0.9621	138 \$75.09 \$15.68 \$13.21	290 \$75.09 \$15.68 \$44.91	\$75.09 \$15.68 \$68.09	397 \$75.09 \$15.68	\$75.09 \$15.68 \$62.28	213 \$75.09 \$15.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 33 COG 2 34 COG 3 35 COG 4 36 COG 5	2021 - 2022 ② \$ ② \$ 1 2 3 4	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706	138 \$75.09 \$15.68 \$13.21	290 \$75.09 \$15.68 \$44.91	\$75.09 \$15.68 \$68.09	397 \$75.09 \$15.68 \$67.31	373 \$75.09 \$15.68	213 \$75.09 \$15.68 \$28.77	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 3 36 COG 5 37 COG 6	2021 - 2022 ② \$ ③ \$ ③ \$ 1 2 2 3 4 5 5	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$1.0706	138 \$75.09 \$15.68 \$13.21	290 \$75.09 \$15.68 \$44.91	\$75.09 \$15.68 \$68.09	397 \$75.09 \$15.68 \$67.31	\$75.09 \$15.68 \$62.28	213 \$75.09 \$15.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighter	2021 - 2022 2 \$ 3 1 4 5 5 3 d Avg. COG	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$0.9847	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09	397 \$75.09 \$15.68 \$67.31	\$75.09 \$15.68 \$62.28	213 \$75.09 \$15.68 \$28.77	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 33 \$ 44 \$ 55 \$ 30 \$ 40 \$ 50 \$	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$1.0706 \$0.9847 \$0.0360	138 \$75.09 \$15.68 \$13.21	290 \$75.09 \$15.68 \$44.91	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28	213 \$75.09 \$15.68 \$28.77	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68									
27	2021 - 2022	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$0.9847 \$0.0360 \$0.0448	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09	397 \$75.09 \$15.68 \$67.31	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68									
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 3 36 COG 5 37 COG 5 38 Winter Period Weighted 39 LDAC 40 LDAC 41 LDAC	2021 - 2022 20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$1.0706 \$0.9847 \$0.0360	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28	213 \$75.09 \$15.68 \$28.77	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68									
27	2021 - 2022 20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$20 \$	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$0.9847 \$0.0360 \$0.0448 \$0.0504	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	111	40	26	26	26	59	287		
27	2021 - 2022 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 65 \$ 65 \$ 65 \$ 22	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9651 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$0.9847 0.0360 0.0448 0.0504	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	111 171 \$75.09	40 \$75.09	26 \$75.09				287 \$465.27		
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 3 36 COG 3 36 COG 3 37 COG 6 38 Winter Period Weighted 40 LDAC 41 LDAC 42 Summ 43 Customer Charge** units @ 44 First 75 units @	2021 - 2022 20 \$2 \$2 \$3 \$4 \$4 \$5 \$5 \$6 \$6 \$6 \$6 \$6 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$0,9621 \$1,0706 \$1,0706 \$1,0706 \$0,9847 \$0,0360 \$0,0448 \$0,0504	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68	\$75.09 \$8.35	26 \$75.09 \$5.41	26	26	59	287 \$465.27 \$29.43		
27	2021 - 2022 20 \$2 \$2 \$3 \$4 \$4 \$5 \$5 \$6 \$6 \$6 \$6 \$6 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7	\$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9651 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$0.9847 0.0360 0.0448 0.0504	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	111 171 \$75.09	40 \$75.09	26 \$75.09	26	26	59	287 \$465.27		
Typical Winter 2	2021 - 2022 2	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$0,9621 \$1,0706 \$1,0706 \$1,0706 \$0,9847 0,0360 0,0448 (0,0504 75,09 \$0,2090 \$0,2090 \$0,2090 \$0,2320 \$0,2556	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35	26 \$75.09 \$5.41	\$80.00	26	59	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61		
27	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 25 \$ 26 \$ 27	\$0.2090 \$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$0.0600 \$0.0600 \$0.0600 \$0.0600 \$0.2090 \$0.2090 \$0.2090 \$0.2556 \$0.0630	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68	\$75.09 \$8.35 \$0.00	26 \$75.09 \$5.41	\$80.00	26 \$80.00	\$9 \$80.00	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61		
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted 40 LDAC 3 41 LDAC 3 42 Summ 43 Customer Charge** units @ 44 First 75 units @ 45 Over 75 units @ 46 Eff, Aug. 1, 2022 41 @ 48 COG 1 49 COG 2	2021 - 2022 20	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$1,0706 \$1,0706 \$1,0706 \$0,9847 0,0360 0,0448 0,0504 75,09 \$0,2090 \$0,2090 \$0,2090 \$0,2556 \$0,6630 \$0,9355	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35	\$75.09 \$5.41 \$0.00	\$80.00	26 \$80.00	\$9 \$80.00	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51		
Typical Winter 228 Customer Charge 30 First 75 units @ 13 Over 75 units @ 13 Over 75 units @ 13 Over 33 COG 2 34 COG 3 35 COG 6 36 COG 5 37 COG 6 38 Winter Period Weighted 39 LDAC LDAC LDAC 40 LDAC LDAC 41 LDAC 42 Summ 43 Customer Charge* units @ 44 First 75 units @ 45 Over 75 units @ 46 Eff, Aug. 1, 2022 48 49 COG 1 49 COG 2 48 49 COG 2 48 49 COG 2 50 COG 3 COG	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 4 \$ 25 \$ 26 \$ 27 \$ 28 \$ 29 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20 \$ 20	\$0.2090 \$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$0.9847 0.0360 0.0448 0.0504 75.09 \$0.2090 \$0.2090 \$0.2090 \$0.2556 \$0.6630 \$0.9355 \$0.9395	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	26 \$75.09 \$5.41	\$80.00 \$6.01	26 \$80.00	\$9 \$80.00	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32		
Typical Winter 2 28 Customer Charge 75 units @ 10 10 10 10 10 10 10 10	2021 - 2022 20 \$ 20 \$ 21	\$0.2090 \$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$1.0706 \$0.0360 \$0.0360 \$0.0360 \$0.0504 \$0.2090 \$0.2090 \$0.2090 \$0.2090 \$0.2090 \$0.256 \$0.6630 \$0.9395 \$0.9395 \$0.9395	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$80.00	\$80.00 \$6.56	\$9 \$80.00	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$37.51 \$24.32 \$24.35		
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted 39 LDAC 40 LDAC 41 LDAC 3 42 Summ 43 Customer Charge** units @ 44 First 75 units @ 45 Over 75 units @ 46 Eff, Aug. 1, 2022 All @ 48 COG 2 47 Eff, Sept. 1, 2022 All @ 48 COG 2 50 COG 3 51 COG 4 52 COG 5	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 2. January 1 \$ 3. March 1 \$ 7 mer 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 24 \$ 56 \$ 57 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$1,0706 \$1,0706 \$1,0706 \$0,9847 0,0360 0,0448 0,0504 75,09 \$0,2090 \$0,2090 \$0,2320 \$0,630 \$0,9395 \$0,9395 \$0,9395 \$0,9395 \$0,9395 \$0,9395 \$1,1473	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$80.00 \$6.01	26 \$80.00	\$80.00 \$15.05	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$37.51 \$24.32 \$24.35 \$29.45		
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted 40 LDAC 41 LDAC 41 LDAC 42 Summ 43 Customer Charge** units @ 45 Over 75 units @ 45 Over 75 units @ 46 Eff, Aug. 1, 2022 All @ 47 Eff, Sept. 1, 2022 All @ 48 COG 1 49 COG 2 50 COG 3 51 COG 6 52 COG 5 53 COG 6	2021 - 2022 20 \$ 20 \$ 21 \$ 22 \$ 33 \$ 44 \$ 55 \$ 65 \$ 64 Avg. COG \$ 2, January 1 \$ 3, March 1 \$ ner 2022 20 \$ 20 \$ 21 \$ 22 \$ 33 \$ 44 \$ 55 \$ 56 \$ 56 \$ 57 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$1,0706 \$1,0706 \$1,0706 \$0,9847 \$0,0360 \$0,0504 \$75,09 \$0,2090 \$0,2090 \$0,2090 \$0,2556 \$0,6630 \$0,9395 \$0,9395 \$0,9395 \$1,1473	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$80.00 \$6.01	\$80.00 \$6.56	\$9 \$80.00	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$37.51 \$24.32 \$24.35		
Typical Winter 29 Customer Charge 75 units @ 10 ver 75 units @ 13 0ver 13 0ver 13 0ver 13 0ver 13 0ver 13 0ver 14 0ver 14 0ver 14 0ver 15 0ve	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 65 \$ 65 \$ 65 \$ 65 \$ 65 \$ 65 \$ 65	\$0.2090 \$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$1.0706 \$1.0706 \$1.0706 \$1.0706 \$0.9847 0.0360 0.0448 0.0504 75.09 \$0.2090 \$0.2090 \$0.2090 \$0.2090 \$0.2566 \$0.6630 \$0.9395 \$0.9395 \$0.9395 \$0.9395 \$1.1473 \$1.1473 \$0.8938	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$80.00 \$6.01 \$24.35	\$80.00 \$6.56 \$29.45	\$80.00 \$15.05	\$465.27 \$29.43 \$7.53 \$6.01 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55		
27 Typical 28 Winter 2 29 Customer Charge 30 First 75 units @ 31 Over 75 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 3 36 COG 3 37 COG 6 38 Winter Period Weighter 40 LDAC 41 LDAC 41 LDAC 42 Summ 43 Customer Charge** units @ 45 Over 75 units @ 45 Over 75 units @ 46 Eff, Aug. 1, 2022 All @ 47 Eff, Sept. 1, 2022 All @ 48 Eff. Sept. 1, 2022 All @ 50 COG 3 51 COG 6 52 COG 5 53 COG 6	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 65 \$ 65 \$ 65 \$ 65 \$ 65 \$ 65 \$ 65	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$1,0706 \$1,0706 \$1,0706 \$0,9847 \$0,0360 \$0,0504 \$75,09 \$0,2090 \$0,2090 \$0,2090 \$0,2556 \$0,6630 \$0,9395 \$0,9395 \$0,9395 \$1,1473	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$80.00 \$6.01	\$80.00 \$6.56	\$80.00 \$15.05	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$37.51 \$24.32 \$24.35 \$29.45		
Typical Winter 229 Customer Charge 75 units @ 30 First 75 units @ 31 Over 75 units @ 32 COG 2 33 COG 2 34 COG 3 35 COG 6 53 COG 6 54 Summer Period Weighted COG 1 COG 2 COG 2 COG 2 COG 3 COG 4 COG 4 COG 2 COG 5 COG 6 CO	2021 - 2022 2	\$0,2090 \$0,2090 \$0,2090 \$0,9551 \$0,9551 \$0,9551 \$1,0706 \$1,0706 \$1,0706 \$1,0706 \$0,9847 \$0,0360 \$0,0504 \$0,2320 \$0,2320 \$0,2556 \$0,6630 \$0,9395 \$0,9395 \$0,9395 \$1,1473 \$1,1473 \$0,8938 \$0,0504	138 \$75.09 \$15.68 \$13.21 \$132.01	290 \$75.09 \$15.68 \$44.91 \$276.85	\$75.09 \$15.68 \$68.09 \$366.06	397 \$75.09 \$15.68 \$67.31 \$382.01	\$75.09 \$15.68 \$62.28 \$399.31	213 \$75.09 \$15.68 \$28.77 \$227.68	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$80.00 \$6.01 \$24.35	\$80.00 \$6.56 \$29.45	\$80.00 \$15.05	\$465.27 \$29.43 \$7.53 \$6.01 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55		
Typical 28	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 33 \$ 44 \$ 55 \$ 56 \$ 44 \$ 57 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58 \$ 58	\$0.2090 \$0.2090 \$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$0.9847 \$0.0380 \$0.0448 \$0.0504 \$0.2090 \$0.00000 \$0.0000 \$0.0000 \$0.0000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.000000 \$0.00000000	138 \$75.09 \$15.68 \$13.21 \$132.01 \$4.98	290 \$75.09 \$15.68 \$44.91 \$276.85 \$10.44	401 \$75.09 \$15.68 \$68.09 \$366.06 \$17.95	397 \$75.09 \$15.68 \$67.31 \$382.01 \$17.79	\$75.09 \$15.68 \$62.28 \$399.31 \$18.80	213 \$75.09 \$15.68 \$28.77 \$227.68 \$10.72	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68 \$15.41 \$35.74 \$29.52	\$75.09 \$15.68 \$7.53 \$73.61	\$75.09 \$8.35 \$0.00 \$37.51	\$75.09 \$5.41 \$0.00 \$24.32	\$80.00 \$6.01 \$24.35 \$1.31	\$80.00 \$6.56 \$29.45 \$1.29	\$80.00 \$15.05 \$67.55 \$2.97	\$465.27 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55	2,099	
Typical Winter 2 Winter 2 Winter 2 Units @ 75	2021 - 2022 20 \$ 20 \$ 20 \$ 21 \$ 22 \$ 23 \$ 44 \$ 55 \$ 24	\$0.2090 \$0.2090 \$0.2090 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$1.0706 \$0.9847 \$0.0360 \$0.0448 \$0.0504 \$0.2090 \$0.2090 \$0.2320 \$0.2320 \$0.2320 \$0.6630 \$0.9395 \$1.1473 \$1.1473 \$0.8938 \$0.0504 \$0.0504	138 \$75.09 \$15.68 \$13.21 \$132.01 \$4.98	290 \$75.09 \$15.68 \$44.91 \$276.85 \$10.44	401 \$75.09 \$15.68 \$68.09 \$366.06 \$17.95	397 \$75.09 \$15.68 \$67.31 \$382.01 \$17.79	\$75.09 \$15.68 \$62.28 \$399.31 \$18.80	213 \$75.09 \$15.68 \$28.77 \$227.68 \$10.72	1,812 \$450.54 \$94.05 \$284.56 \$132.01 \$276.85 \$366.06 \$382.01 \$399.31 \$227.68 \$15.41 \$35.74 \$29.52	\$75.09 \$15.68 \$7.53 \$73.61 \$5.60	\$75.09 \$8.35 \$0.00 \$37.51 \$2.01	\$75.09 \$5.41 \$0.00 \$24.32 \$1.30 \$106.13	\$80.00 \$6.01 \$24.35 \$1.31 \$111.67	\$80.00 \$6.56 \$29.45 \$1.29	\$80.00 \$15.05 \$67.55 \$2.97 \$165.57	\$465.27 \$29.43 \$7.53 \$6.01 \$37.61 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55	2,099	

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

Typical G-41 Commercial & Industrial Bill - 22,095 therms/year Comparison of Winter 2022-2023 vs. Winter 2021-2022

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 3 of 10

					Companie		ILCI ZUZZ-Z	.020 43. 1	VIIILEI ZUZ	1-2022							
1 2	Typical Usage: therms (*)	Nov 1,710	Dec 3,040	Jan 3,954	Feb 3,758	Mar 3,606	Apr 2,229	Winter 18,298	May 1,283	June 526	July 391	August 382	Sept 389	October 825	Summer 3,797	Annual 22,095
3 4 Customer Charge	Winter 2022 - 2023 units @	\$ 225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$225.00	\$1,350.00								
5 All	units @	\$0.2883	\$492.93		\$1,139.97		\$1,039.72	\$642.62	\$5,275.22								
6 7	COG 1 COG 2	\$1.1428 \$1.1428	\$1,953.94	\$3,474.16					\$1,953.94 \$3,474.16								
8	COG 3 COG 4	\$1.1428 \$1.1428			\$4,518.78	\$4,295.04			\$4,518.78 \$4,295.04								
10	COG 5	\$1.1428				ψ4,293.04	\$4,121.38		\$4,121.38								
11 12	COG 6 LDAC	\$1.1428 \$0.0488	\$83.44	\$148.35	\$192.96	\$183.41	\$175.99	\$2,547.31 \$108.78	\$2,547.31 \$892.93								
13	Summer 2023	• 005.00									*****	*****	2005.00	A 005.00	4005.00	0.1 0.50 0.0	
14 Customer Charge 15 All	units @ units @	\$ 225.00 \$0.2883								\$ 225.00 \$370.02	\$225.00 \$151.70	\$225.00 \$112.67	\$225.00			\$1,350.00 \$634.40	
16 All eff. Aug 1, 2023 17	units @ COG 1	\$0.2881 \$0.7383								\$947.58			\$110.06	\$112.18	\$237.76	\$460.00 \$947.58	
18	COG 2	\$0.7383								ψο 11.00	\$388.49	*****				\$388.49	
19 20	COG 3 COG 4	\$0.7383 \$0.7383										\$288.55	\$282.04			\$288.55 \$282.04	
21 22	COG 5 COG 6	\$0.7383 \$0.7383												\$287.48	\$609.31	\$287.48 \$609.31	
23 Summer Perio	od Weighted Avg. COG	\$0.7383															
24 25	LDAC	\$ 0.0488 TOTAL	\$2,755.30	\$4,723.96	\$6,076.71	\$5,786.98	\$5,562.10	\$3,523.70	\$28,428.76	\$62.63 \$1,605.24	\$25.68 \$790.88	\$19.07 \$645.29	\$18.64 \$635.73	\$19.00 \$643.67	\$40.27 \$1,112.35	\$185.30 \$5,433.15	£22.064.04
Base Rate Change	Winter	\$ Change	\$42.20	\$73.19	\$94.49	\$89.93	\$86.39	\$5,523.70	\$440.50	\$1,005.24	\$790.00	Ф 045.29	Ф 033.73	\$043.07	\$1,112.33	Ф 0,433.13	\$33,001.91
base Nate Change	Willel	% Change	1.78%	1.81%	1.87%	1.80%	1.65%	1.64%	1.76%								
COG Change Wint	er	\$ Change	\$320.93	\$570.62	\$907.08	\$679.13	\$260.38	\$160.93	\$2,899.07								
LDAC Change Win	ter	% Change \$ Change	13.54% \$21.89	14.12% \$38.91	17.93% \$15.82	13.57% \$15.03	4.99% -\$5.77	4.86% -\$3.57	11.59% \$82.31								
		% Change	0.923%	0.963%	0.313%	0.300%	-0.111%	-0.108%	0.33%								
,																	
26		•	Nev	Dee	lon	Eab	Mor	A 10.11		May	lune	lulu	August	Sant	Ootobox	Cummar	Annual
26 27	Typical Usage: therms		Nov 1,710	Dec 3,040	Jan 3,954	Feb 3,758	Mar 3,606	Apr 2,229	Winter 18,298	May 1,283	June 526	July 391	August 382	Sept 389	October 825	Summer 3,797	Annual 22,095
27 28	Winter 2021 - 2022	-	1,710	3,040	3,954	3,758	3,606	2,229	Winter 18,298								
27 28 29 Customer Charge 30 All	Winter 2021 - 2022 units @ units @	\$ 222.64 \$0.2650	1,710 \$222.64 \$453.09	3,040 \$222.64					Winter 18,298 \$1,335.84 \$4,848.89								
27 28 29 Customer Charge	Winter 2021 - 2022 units @	\$ 222.64	1,710 \$222.64	3,040 \$222.64	3,954 \$222.64	3,758 \$222.64	3,606 \$222.64	2,229 \$222.64	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54								
27 28 29 Customer Charge 30 All 31 32 33	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9134	1,710 \$222.64 \$453.09	3,040 \$222.64 \$805.61	3,954 \$222.64	3,758 \$222.64 \$995.96	3,606 \$222.64	2,229 \$222.64	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70								
27 28 29 Customer Charge 30 All 31 32 33 34 35	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706	1,710 \$222.64 \$453.09	3,040 \$222.64 \$805.61	3,954 \$222.64 \$1,047.84	3,758 \$222.64	3,606 \$222.64	2,229 \$222.64 \$590.69	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,615.91 \$3,861.00								
27 28 29 Customer Charge 30 All 31 32 33 34 35 36	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9134 \$0.9621	1,710 \$222.64 \$453.09	3,040 \$222.64 \$805.61	3,954 \$222.64 \$1,047.84	3,758 \$222.64 \$995.96	3,606 \$222.64 \$955.69	2,229 \$222.64	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,615.91								
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$1.0706 \$0.9844 \$0.0360	1,710 \$222.64 \$453.09	3,040 \$222.64 \$805.61	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69	2,229 \$222.64 \$590.69	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,615.91 \$3,861.00 \$2,386.37 \$170.99								
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$0.9844	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84	3,758 \$222.64 \$995.96	3,606 \$222.64 \$955.69	2,229 \$222.64 \$590.69	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,615.91 \$3,861.00 \$2,386.37								
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Period 38 39 40	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$0.0360 \$0.0448 \$0.0504	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.91 \$3,861.00 \$2,386.37 \$170.99 \$345.52			391			825	3,797	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge*	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ units @	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$0.9844 \$0.0360 \$0.0448 \$0.0504 \$222.64 \$0.2120	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.91 \$3,861.00 \$2,386.37 \$170.99 \$345.52	1,283	526		382 \$225.00	389	825	3,797 \$1,342.92 \$466.50	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge*	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9351 \$0.9621 \$1.0706 \$1.0706 \$0.0844 \$0.0360 \$0.0448 \$0.0504	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	1,283 \$222.64	526 \$222.64	391 \$222.64	382	389	825	3,797 \$1,342.92	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 44 Eff, Aug. 1, 2022 45 Eff, Sept. 1, 2022	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ COG 1	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$0.9844 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	1,283 \$222.64	\$222.64 \$111.55	391 \$222.64	382 \$225.00	389 \$225.00	825 \$225.00	3,797 \$1,342.92 \$466.50 \$104.82 \$350.19	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 44 Eff, Aug. 1, 2022 45 Eff, Sept. 1, 2022 46 47 48	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$1.0706 \$0.0360 \$0.0448 \$0.0504 \$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	1,263 \$222.64 \$272.09	526 \$222.64	391 \$222.64	\$225.00 \$104.82	389 \$225.00	825 \$225.00	\$1,342.92 \$466.50 \$104.82 \$350.19 \$850.94 \$494.37 \$367.18	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 44 Eff, Aug. 1, 2022 46 47 48 49	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 2 COG 3 COG 4	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$0.9844 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.2120 \$0.2744 \$0.283 \$0.6630 \$0.9395 \$0.9395	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	1,263 \$222.64 \$272.09	\$222.64 \$111.55	\$222.64 \$82.85	382 \$225.00	\$225.00 \$112.26	825 \$225.00	\$1,342.92 \$466.50 \$104.82 \$350.19 \$850.94 \$494.37 \$367.18	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 42 Eff, Aug. 1, 2022 45 Eff, Sept. 1, 2022 46 47 48 49 50 51	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9621 \$1.0706 \$0.09844 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$0.9395 \$1.1473 \$1.1473	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	1,263 \$222.64 \$272.09	\$222.64 \$111.55	\$222.64 \$82.85	\$225.00 \$104.82	389 \$225.00	825 \$225.00	\$1,342.92 \$466.50 \$104.82 \$350.19 \$850.94 \$494.37 \$367.18	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 44 Eff, Aug. 1, 2022 46 47 48 49 50 51 52 Summer Perio	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$0.9844 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.2120 \$0.2724 \$0.2283 \$0.6630 \$0.9395 \$1.1473 \$0.9395 \$1.1473 \$0.9125	1,710 \$222.64 \$453.09 \$1,633.01	3,040 \$222.64 \$805.61 \$2,903.54	3,954 \$222.64 \$1,047.84 \$3,611.70	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	\$222.64 \$272.09 \$850.94	\$222.64 \$111.55 \$494.37	\$222.64 \$82.85 \$367.18	\$225.00 \$104.82 \$358.90	\$225.00 \$112.26 \$446.74	\$225.00 \$237.93 \$946.85	\$1,342.92 \$466.50 \$104.82 \$350.19 \$850.94 \$494.37 \$367.18 \$358.90 \$446.74 \$946.85	
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 42 Eff, Aug. 1, 2022 45 Eff, Sept. 1, 2022 46 47 48 49 50 51 52 Summer Perio 53	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9551 \$1.0706 \$1.0706 \$0.0448 \$0.0360 \$0.0448 \$0.0504 \$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.935 \$0.935 \$0.935 \$0.935 \$0.935 \$0	1,710 \$222.64 \$453.09 \$1,633.01 \$61.55	3,040 \$222.64 \$805.61 \$2,903.54 \$109.44	3,954 \$222.64 \$1,047.84 \$3,611.70 \$177.14	3,758 \$222.64 \$995.96 \$3,615.91 \$168.37	3,606 \$222.64 \$955.69 \$3,861.00 \$181.76	2,229 \$222.64 \$590.69 \$2,386.37 \$112.34	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,615.91 \$3,861.00 \$2,386.37 \$170.99 \$345.52 \$294.10	\$222.64 \$272.09 \$850.94	\$222.64 \$111.55 \$494.37	\$222.64 \$82.85 \$367.18	\$225.00 \$104.82 \$358.90 \$19.25	\$225.00 \$112.26 \$446.74 \$19.62	\$225.00 \$237.93 \$946.85 \$41.59	\$1,342.92 \$466.50 \$104.82 \$350.19 \$850.94 \$494.37 \$367.18 \$358.90 \$446.74 \$946.85	22,095
27 28 29 Customer Charge 30 All 31 32 33 34 35 36 37 Winter Perio 38 39 40 41 42 Customer Charge* 43 All 44 Eff, Aug. 1, 2022 46 47 48 49 50 51 52 Summer Perio	Winter 2021 - 2022 units @ units @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG LDAC LDAC 2, January 1 LDAC 3, March 1 Summer 2022 units @ units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 d Weighted Avg. COG	\$ 222.64 \$0.2650 \$0.9551 \$0.9551 \$0.9551 \$0.9134 \$0.9621 \$1.0706 \$0.9844 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.2120 \$0.2724 \$0.2283 \$0.6630 \$0.9395 \$1.1473 \$0.9395 \$1.1473 \$0.9125	1,710 \$222.64 \$453.09 \$1,633.01 \$61.55	3,040 \$222.64 \$805.61 \$2,903.54 \$109.44	3,954 \$222.64 \$1,047.84 \$3,611.70 \$177.14	3,758 \$222.64 \$995.96 \$3,615.91	3,606 \$222.64 \$955.69 \$3,861.00	2,229 \$222.64 \$590.69 \$2,386.37	Winter 18,298 \$1,335.84 \$4,848.89 \$1,633.01 \$2,903.54 \$3,611.70 \$3,661.00 \$2,386.37 \$170.99 \$345.52	\$222.64 \$272.09 \$850.94	\$222.64 \$111.55 \$494.37	\$222.64 \$82.85 \$367.18	\$225.00 \$104.82 \$358.90	\$225.00 \$112.26 \$446.74	\$225.00 \$237.93 \$946.85	\$1,342.92 \$466.50 \$104.82 \$350.19 \$850.94 \$494.37 \$367.18 \$358.90 \$446.74 \$946.85	

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

Typical G-51 Commercial & Industrial Bill - 19,136 therms/year Comparison of Winter 2022-2023 vs. Winter 2021-2022

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 4 of 10

			_												_	
1 Transicultura and the area	- (*)	Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
2 Typical Usage: therm	s (")	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	\$225.00									
5 All units @ 6 COG 1	\$0.1770 \$1.0536	\$262.68 \$1,563.64	\$348.09	\$385.80	\$378.55	\$374.68	\$304.43	\$2,054.24 \$1,563.64								
7 COG 2	\$1.0536	\$1,505.04	\$2,072.05					\$2,072.05								
8 COG 3	\$1.0536		Ψ2,072.03	\$2,296.50				\$2,296.50								
9 COG 4	\$1.0536			Ψ2,200.00	\$2,253.32			\$2,253.32								
10 COG 5	\$1.0536				Ψ2,200.02	\$2,230.31		\$2,230.31								
11 COG 6	\$1.0536						\$1,812.11	\$1,812.11								
12 LDAC	\$0.0488	\$72.42	\$95.97	\$106.37	\$104.37	\$103.30	\$83.93	\$566.37								
13 Summer 2023																
14 Customer Charge units @	\$ 225.00								\$ 225.00	\$225.00	\$225.00	\$225.00	\$ 225.00	\$225.00	\$1,350.00	
15 All units @	\$0.1770								\$259.32	\$218.92	\$200.72				\$678.96	
16 All eff. Aug 1, 2023 units @	\$0.1763											\$215.09	\$205.27	\$230.98	\$651.34	
17 COG 1	\$0.6331								\$927.56						\$927.56	
18 COG 2	\$0.6331									\$783.04					\$783.04	
19 COG 3	\$0.6331										\$717.93				\$717.93	
20 COG 4	\$0.6331											\$772.40			\$772.40	
21 COG 5	\$0.6331												\$737.13		\$737.13	
22 COG 6	\$0.6331													\$829.47	\$829.47	
23 Summer Period Weighted Avg. COG	\$0.6331															
24 LDAC	\$ 0.0488								\$71.50	\$60.36	\$55.34	\$59.54	\$56.82	\$63.94	\$367.49	
25	TOTAL	\$2,123.75	\$2,741.11	\$3,013.67	\$2,961.24	\$2,933.29	\$2,425.47	\$16,198.53	\$1,483.38	\$1,287.31	\$1,198.99	\$1,272.03	\$1,224.22	\$1,349.39	\$7,815.31	\$24,013.85
Base Rate Change Winter	\$ Change	-\$16.66	-\$9.62	-\$6.51	-\$7.11	-\$7.42	-\$13.22	-\$60.53								
Dase Nate Offange Willief	% Change	-0.92%	-0.42%	-0.26%	-0.28%	-0.27%	-0.58%	-0.43%								
000 0h Wi-t																
COG Change Winter	\$ Change	\$309.14	\$409.65	\$544.92	\$430.52	\$196.44	\$159.61	\$2,050.27								
	% Change	17.06%	17.69%	22.09%	17.02%	7.15%	6.99%	14.49%								
LDAC Change Winter	\$ Change	\$19.00	\$25.17	\$8.72	\$8.55	-\$3.39	-\$2.75	\$55.30								
	% Change	1.05%	1.09%	0.35%	0.34%	-0.12%	-0.12%	0.39%								
26		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
27 Typical Usage: therm	s	Nov 1,484	Dec 1,967	Jan 2,180	Feb 2,139	Mar 2,117	Apr 1,720	Winter 11,606	May 1,465	June 1,237	July 1,134	August 1,220	Sept 1,164	October 1,310	Summer 7,530	Annual 19,136
27 Typical Usage: therm 28 Winter 2021 - 2022		1,484	1,967	2,180	2,139	2,117	1,720	11,606								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @	\$ 222.64	1,484 \$222.64	1,967 \$222.64	2,180 \$222.64	2,139 \$222.64	2,117 \$222.64	1,720 \$222.64	11,606 \$1,335.84								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @	\$ 222.64 \$0.1937	1,484 \$222.64 \$251.81	1,967 \$222.64 \$251.81	2,180 \$222.64 \$251.81	2,139 \$222.64 \$251.81	2,117 \$222.64 \$251.81	1,720 \$222.64 \$251.81	11,606 \$1,335.84 \$1,510.86								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @	\$ 222.64 \$0.1937 \$0.1624	1,484 \$222.64 \$251.81 \$29.90	1,967 \$222.64	2,180 \$222.64	2,139 \$222.64	2,117 \$222.64	1,720 \$222.64	11,606 \$1,335.84 \$1,510.86 \$618.07								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1	\$ 222.64 \$0.1937 \$0.1624 \$0.8453	1,484 \$222.64 \$251.81	1,967 \$222.64 \$251.81 \$108.26	2,180 \$222.64 \$251.81	2,139 \$222.64 \$251.81	2,117 \$222.64 \$251.81	1,720 \$222.64 \$251.81	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453	1,484 \$222.64 \$251.81 \$29.90	1,967 \$222.64 \$251.81	2,180 \$222.64 \$251.81 \$142.86	2,139 \$222.64 \$251.81	2,117 \$222.64 \$251.81	1,720 \$222.64 \$251.81	\$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036	1,484 \$222.64 \$251.81 \$29.90	1,967 \$222.64 \$251.81 \$108.26	2,180 \$222.64 \$251.81	2,139 \$222.64 \$251.81 \$136.20	2,117 \$222.64 \$251.81	1,720 \$222.64 \$251.81	\$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523	1,484 \$222.64 \$251.81 \$29.90	1,967 \$222.64 \$251.81 \$108.26	2,180 \$222.64 \$251.81 \$142.86	2,139 \$222.64 \$251.81	2,117 \$222.64 \$251.81 \$132.66	1,720 \$222.64 \$251.81	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80								
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036	1,484 \$222.64 \$251.81 \$29.90	1,967 \$222.64 \$251.81 \$108.26	2,180 \$222.64 \$251.81 \$142.86	2,139 \$222.64 \$251.81 \$136.20	2,117 \$222.64 \$251.81	1,720 \$222.64 \$251.81	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87	1,465							
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86	2,139 \$222.64 \$251.81 \$136.20	2,117 \$222.64 \$251.81 \$132.66	1,720 \$222.64 \$251.81 \$68.20	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87	1,465							
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 60 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.9608 \$0.9608 \$0.9608	1,484 \$222.64 \$251.81 \$29.90	1,967 \$222.64 \$251.81 \$108.26	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66	1,720 \$222.64 \$251.81 \$68.20	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23	1,465							
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.3769 \$ 0.0360 \$ 0.0448	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86	2,139 \$222.64 \$251.81 \$136.20	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465							
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.9608 \$0.9608 \$0.9608	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66	1,720 \$222.64 \$251.81 \$68.20	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23	1,465							
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.9608 \$0.0360 \$ 0.0360 \$ 0.0448 \$ 0.0504	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465	1,237	1,134	1,220	1,164	1,310	7,530	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0360 \$ 0.0360 \$ 0.0448 \$ 222.64	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465 \$222.64	1,237	1,134 \$222.64				7,530 *1,342.92	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8653 \$0.9608 \$0.9608 \$0.9608 \$0.9608 \$0.0360 \$0.0360 \$0.0360 \$0.0360	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465 \$222.64 \$156.20	1,237 \$222.64 \$156.20	1,134 \$222.64 \$156.20	1,220	1,164	1,310	7,530 7,530 \$1,342.92 \$468.60	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.9608 \$0.9608 \$0.9608 \$0.0360 \$ 0.0360 \$ 0.0360 \$ 0.0504	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465 \$222.64	1,237	1,134 \$222.64	1,220	1,164	1,310	7,530 \$1,342.92 \$468.60 \$109.67	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 2, January 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0360 \$ 0.0448 \$ 0.0504 \$222.64 \$0.1562 \$0.1312 \$0.1656	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465 \$222.64 \$156.20	1,237 \$222.64 \$156.20	1,134 \$222.64 \$156.20	1,220	1,164 \$225.00	1,310 \$225.00	7,530 \$1,342.92 \$468.60 \$109.67 \$202.04	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Eff. Aug. 1, 2022 All @ 41 @	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20	1,134 \$222.64 \$156.20	1,220	1,164	1,310	7,530 \$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 1	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0360 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 22.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	1,465 \$222.64 \$156.20	1,237 \$222.64 \$156.20 \$31.07	1,134 \$222.64 \$156.20	1,220	1,164 \$225.00	1,310 \$225.00	7,530 \$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08	
27	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0360 \$ 0.0448 \$ 0.0504 \$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20	1,134 \$222.64 \$156.20 \$17.58	1,220	1,164 \$225.00	1,310 \$225.00	7,530 \$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 2 50 COG 3	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20 \$31.07	1,134 \$222.64 \$156.20	1,220 \$225.00 \$202.04	1,164 \$225.00	1,310 \$225.00	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 1 49 COG 2 50 COG 3 51 COG 4	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.9608 \$0.9608 \$0.9608 \$ 0.0360 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 22.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.1770 \$0.5925 \$0.8690 \$0.8690	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20 \$31.07	1,134 \$222.64 \$156.20 \$17.58	1,220	\$225.00 \$206.08	1,310 \$225.00	\$1,342.92 \$468.60 \$19.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21	
27	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$0.8690 \$1.0768	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20 \$31.07	1,134 \$222.64 \$156.20 \$17.58	1,220 \$225.00 \$202.04	1,164 \$225.00	\$225.00 \$231.90	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21 \$1,253.74	
27	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8623 \$0.9608 \$0.9608 \$0.0448 \$0.0504 \$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$0.8690 \$1.0768	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20 \$31.07	1,134 \$222.64 \$156.20 \$17.58	1,220 \$225.00 \$202.04	\$225.00 \$206.08	1,310 \$225.00	\$1,342.92 \$468.60 \$19.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 1 50 COG 3 51 COG 6 54 Summer Period Weighted Avg. COG	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.9608 \$0.9608 \$0.0960 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$1.0768 \$1.0768	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	\$222.64 \$156.20 \$17.58	\$225.00 \$202.04 \$1,060.21	\$225.00 \$206.08 \$1,253.74	\$225.00 \$231.90 \$1,410.79	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21 \$1,253.74 \$1,410.79	
27	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8623 \$0.9608 \$0.9608 \$0.0448 \$0.0504 \$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$0.8690 \$1.0768	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02	1,237 \$222.64 \$156.20 \$31.07	1,134 \$222.64 \$156.20 \$17.58	1,220 \$225.00 \$202.04	\$225.00 \$206.08	\$225.00 \$231.90	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21 \$1,253.74	
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 41 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 1 50 COG 3 51 COG 6 54 Summer Period Weighted Avg. COG	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.9608 \$0.9608 \$0.0960 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$1.0768 \$1.0768	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46	\$222.64 \$156.20 \$61.02 \$868.08	\$222.64 \$156.20 \$31.07 \$1,074.80	\$222.64 \$156.20 \$17.58 \$985.44	\$225.00 \$202.04 \$1,060.21	\$225.00 \$206.08 \$1,253.74 \$58.68	\$225.00 \$231.90 \$1,410.79	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21 \$1,253.74 \$1,410.79	19,136
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 39 LDAC 40 LDAC 2, January 1 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 1 50 COG 3 51 COG 6 54 Summer Period Weighted Avg. COG 55 LDAC	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8036 \$0.8523 \$0.9608 \$0.9608 \$0.0504 \$ 0.0360 \$ 0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$1.0768 \$1.0768 \$0.8835 \$ 0.0504	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50 \$53.43	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40 \$70.80	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58 \$97.65	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80 \$95.81	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87 \$106.69	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50 \$86.68	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46 \$193.37	\$222.64 \$156.20 \$61.02 \$868.08 \$73.84	\$222.64 \$156.20 \$31.07 \$1,074.80 \$62.34	\$222.64 \$156.20 \$17.58 \$985.44 \$57.15	\$225.00 \$202.04 \$1,060.21 \$61.49	\$225.00 \$206.08 \$1,253.74 \$58.68 \$1,743.50	\$225.00 \$231.90 \$1,410.79 \$66.03 \$1,933.72	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21 \$1,253.74 \$1,410.79 \$379.53	19,136 19,136
27 Typical Usage: therm 28 Winter 2021 - 2022 29 Customer Charge units @ 30 First 1,300 units @ 31 Over 1,300 units @ 32 COG 1 33 COG 2 34 COG 3 35 COG 4 36 COG 5 37 COG 6 38 Winter Period Weighted Avg. COG 40 LDAC 2, January 1 LDAC 3, March 1 42 Summer 2022 43 Customer Charge** units @ 44 First 1,000 units @ 45 Over 1,000 units @ 46 Eff. Aug. 1, 2022 All @ 47 Eff. Sept. 1, 2022 All @ 48 COG 1 50 COG 5 51 COG 6 54 Summer Period Weighted Avg. COG 55 LDAC	\$ 222.64 \$0.1937 \$0.1624 \$0.8453 \$0.8453 \$0.8453 \$0.8608 \$0.9608 \$0.9608 \$0.0360 \$ 0.0448 \$ 0.0504 \$ 222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.8690 \$1.0768 \$1.0768 \$0.8835 \$ 0.0504	1,484 \$222.64 \$251.81 \$29.90 \$1,254.50	1,967 \$222.64 \$251.81 \$108.26 \$1,662.40 \$70.80	2,180 \$222.64 \$251.81 \$142.86 \$1,751.58 \$97.65	2,139 \$222.64 \$251.81 \$136.20 \$1,822.80 \$95.81	2,117 \$222.64 \$251.81 \$132.66 \$2,033.87 \$106.69	1,720 \$222.64 \$251.81 \$68.20 \$1,652.50 \$86.68	11,606 \$1,335.84 \$1,510.86 \$618.07 \$1,254.50 \$1,662.40 \$1,751.58 \$1,822.80 \$2,033.87 \$1,652.50 \$124.23 \$193.46 \$193.37	\$222.64 \$156.20 \$61.02 \$868.08	\$222.64 \$156.20 \$31.07 \$1,074.80	\$222.64 \$156.20 \$17.58 \$985.44	\$225.00 \$202.04 \$1,060.21 \$61.49	\$225.00 \$206.08 \$1,253.74 \$58.68	\$225.00 \$231.90 \$1,410.79 \$66.03	\$1,342.92 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$985.44 \$1,060.21 \$1,253.74 \$1,410.79	19,136

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

Docket No. DG 22-059 Exhibit 4

NORTHERN UTILITIES, INC. -- NEW HAMPSHIRE DIVISION

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 5 of 10

Impact of Rate Changes on Residential Heating Bills by Usage Level Forecast Winter 2022-2023 vs. Actual Winter 2021-2022

Residential Heating		
	Winter 2021- 2022	Winter 2022 2023
Customer Charge	\$22.20	\$22.20
First 50 Therms	\$0.7603	\$0.9266
Over 50 therms	\$0.7603	\$0.9266
LDAC**	\$0.0702	\$0.1845
CGA	\$0.9691	\$1.1289

(7)	Usage Therms)	Winter 2021-2022 Bill Amount	Winter 2022-2023 Bill Amount	Total	Bill	Base 1	Rate	CG	A	LDA	ıC
	5	\$31.20	\$33.40	\$2.20	7.1%	\$0.83	2.7%	\$0.80	2.6%	\$0.57	1.8%
	10	\$40.20	\$44.60	\$4.40	11.0%	\$1.66	4.1%	\$1.60	4.0%	\$1.14	2.8%
	20	\$58.19	\$67.00	\$8.81	15.1%	\$3.33	5.7%	\$3.20	5.5%	\$2.29	3.9%
	25	\$67.19	\$78.20	\$11.01	16.4%	\$4.16	6.2%	\$4.00	6.0%	\$2.86	4.3%
	30	\$76.19	\$89.40	\$13.21	17.3%	\$4.99	6.5%	\$4.79	6.3%	\$3.43	4.5%
	45	\$103.18	\$123.00	\$19.82	19.2%	\$7.48	7.2%	\$7.19	7.0%	\$5.14	5.0%
	50	\$112.18	\$134.20	\$22.02	19.6%	\$8.32	7.4%	\$7.99	7.1%	\$5.71	5.1%
	75	\$157.17	\$190.20	\$33.03	21.0%	\$12.48	7.9%	\$11.99	7.6%	\$8.57	5.5%
Monthly*	125	\$247.15	\$302.20	\$55.05	22.3%	\$20.79	8.4%	\$19.98	8.1%	\$14.28	5.8%
	150	\$292.14	\$358.20	\$66.06	22.6%	\$24.95	8.5%	\$23.97	8.2%	\$17.14	5.9%
	200	\$382.13	\$470.20	\$88.07	23.0%	\$33.27	8.7%	\$31.96	8.4%	\$22.85	6.0%

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

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 6 of 10

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical Residential Heating Bill - 124 therms/Summer Comparison of Summer 2023 vs. Summer 2022

1	•	May	lunc	July	August	Sont	October	Summer
Typical Usage: therms(*)		43	June 19	July 14	August 13	Sept 13	24	Summer 124
3 Summer 2023		40	10	17	10	10	2-7	12-4
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	4 0	4 0	\$22.23	\$69.28
6 All eff. Aug 1, 2023 units @	\$0.9259	7	******	*	\$11.72	\$11.58	\$22.02	\$45.33
7 COG 1	\$0.6916	\$29.56						\$29.56
8 COG 2	\$0.6916		\$12.81					\$12.81
9 COG 3	\$0.6916			\$9.35				\$9.35
10 COG 4	\$0.6916				\$8.76			\$8.76
11 COG 5	\$0.6916					\$8.65		\$8.65
12 COG 6	\$0.6916						\$16.45	\$16.45
13 Summer Period 2021 Avg. COG	\$0.6916							
14 LDAC	\$0.1845	\$7.88	\$3.42	\$2.49	\$2.34	\$2.31	\$4.39	\$22.83
15	TOTAL	\$99.24	\$55.59	\$46.56	\$45.01	\$44.75	\$65.06	\$356.21
Base Rate Change	\$ Change	\$10.62	\$4.60	\$3.36	\$0.00	\$0.00	\$0.00	\$18.57
	% Change	12.97%	8.65%	7.49%	0.00%	0.00%	0.00%	5.35%
COG Change	\$ Change	\$2.37	-\$4.09	-\$2.99	-\$2.80	-\$5.36	-\$10.20	-\$23.07
	% Change	2.90%	-7.70%	-6.67%	-6.09%	-10.99%	-14.00%	-6.64%
LDAC Change	\$ Change	\$4.40	\$1.91	\$1.39	\$1.30	\$1.29	\$2.45	\$12.73
	% Change	5.37%	3.58%	3.10%	2.83%	2.64%	3.36%	3.66%
	70 Gilaligo	3.37 70	0.0070	0.1070	2.0070	2.0170	0.0070	3.00 /6
	70 Gridingo							
16	70 Gildings	May	June	July	August	Sept	October	Summer
17 Typical Usage: therms	, o onungo							
Typical Usage: therms Summer 2022		May 43	June 19	July 14	August 13	Sept 13	October 24	Summer 124
Typical Usage: therms 18 Summer 2022 19 Customer Charge units @	\$22.20	May 43	June 19 \$22.20	July 14 \$22.20	August	Sept	October	<u>Summer</u> <u>124</u> \$133.20
17 Typical Usage: therms 18 Summer 2022 19 Customer Charge units @ 20 First 50 units @	\$22.20 \$0.6782	May 43 \$22.20 \$28.98	June 19 \$22.20 \$12.56	July 14 \$22.20 \$9.17	August 13	Sept 13	October 24	<u>Summer</u> <u>124</u> \$133.20 \$50.71
17 Typical Usage: therms 18 Summer 2022 19 Customer Charge units @ 20 First 50 units @ 21 Over 50 units @	\$22.20 \$0.6782 \$0.6782	May 43	June 19 \$22.20	July 14 \$22.20	August 13 \$22.20	Sept 13	October 24	\$133.20 \$50.71 \$0.00
17	\$22.20 \$0.6782 \$0.6782 \$0.8841	May 43 \$22.20 \$28.98	June 19 \$22.20 \$12.56	July 14 \$22.20 \$9.17	August 13	\$22.20	October 24 \$22.20	\$133.20 \$50.71 \$0.00 \$11.19
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56	July 14 \$22.20 \$9.17	August 13 \$22.20	Sept 13	October 24	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361	May 43 \$22.20 \$28.98	June 19 \$22.20 \$12.56 \$0.00	July 14 \$22.20 \$9.17	August 13 \$22.20	\$22.20	October 24 \$22.20	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56	\$22.20 \$9.17 \$0.00	August 13 \$22.20	\$22.20	October 24 \$22.20	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56 \$0.00	July 14 \$22.20 \$9.17	\$22.20 \$11.19	\$22.20	October 24 \$22.20	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	August 13 \$22.20	\$22.20 \$11.59	October 24 \$22.20	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20	922.20 \$22.04	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02
Typical Usage: therms 8	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20 \$11.59	October 24 \$22.20	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55
17	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204	\$22.20 \$28.98 \$0.00	June 19 \$22.20 \$12.56 \$0.00	\$22.20 \$9.17 \$0.00	\$22.20 \$11.19	\$22.20 \$11.59	922.20 \$22.04	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02
Typical Usage: therms 8	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204 \$1.1204 \$0.8781	\$22.20 \$28.98 \$0.00	\$22.20 \$12.56 \$0.00 \$16.90	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19 \$11.55	\$22.20 \$11.59	922.20 \$22.04 \$26.65	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65
Typical Usage: therms Summer 2022 19 Customer Charge units @ 20 First 50 units @ 21 Over 50 units @ 22 Eff. Aug 1, 2022 All @ 23 Eff. Sept 1, 2022 All @ 24 COG 1 25 COG 2 26 COG 3 27 COG 4 28 COG 5 29 COG 6 30 Summer Period 2020 Avg. COG 31 LDAC	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204 \$1.1204 \$0.8781 \$0.0816	\$22.20 \$28.98 \$0.00 \$27.18 \$3.49 \$81.85	\$22.20 \$12.56 \$0.00 \$16.90 \$1.51 \$53.17	\$22.20 \$9.17 \$0.00 \$12.33 \$1.10 \$44.80	\$22.20 \$11.19 \$11.55 \$1.03 \$45.98	\$ept 13 \$22.20 \$11.59 \$14.02 \$1.02 \$48.83	\$22.20 \$22.04 \$26.65 \$1.94 \$72.83	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65 \$10.10
Typical Usage: therms Summer 2022 19 Customer Charge units @ 20 First 50 units @ 21 Over 50 units @ 22 Eff. Aug 1, 2022 All @ 23 Eff. Sept 1, 2022 All @ 24 COG 1 25 COG 2 26 COG 3 27 COG 4 28 COG 5 29 COG 6 30 Summer Period 2020 Avg. COG 31	\$22.20 \$0.6782 \$0.6782 \$0.8841 \$0.9266 \$0.6361 \$0.9126 \$0.9126 \$0.9126 \$1.1204 \$1.1204 \$0.8781	\$22.20 \$28.98 \$0.00 \$27.18	\$22.20 \$12.56 \$0.00 \$16.90	\$22.20 \$9.17 \$0.00 \$12.33	\$22.20 \$11.19 \$11.55	\$22.20 \$11.59 \$14.02 \$1.02	922.20 \$22.04 \$26.65 \$1.94	\$133.20 \$50.71 \$0.00 \$11.19 \$33.63 \$27.18 \$16.90 \$12.33 \$11.55 \$14.02 \$26.65 \$10.10

Northern Utilities, Inc. New Hampshire Division **REVISED Attachment NUI-SED-3** Page 7 of 10

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

			Iviay	June	July	August	Sept	October	Summer
2	Typical Usage: therms(*)		111	40	26	26	26	59	<u>287</u>
3	Summer 2023								
4	Customer Charge units @	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$80.00	\$480.00
	All units @	\$0.2556	\$28.38	\$10.21	\$6.62				\$45.20
	All eff. Aug 1, 2023 units @	\$0.2554				\$6.62	\$6.56	\$15.04	\$28.21
7	COG 1	\$0.7383	\$81.97						\$81.97
8	COG 2	\$0.7383		\$29.48					\$29.48
9	COG 3	\$0.7383			\$19.11				\$19.11
10	COG 4	\$0.7383				\$19.13			\$19.13
11	COG 5	\$0.7383					\$18.95		\$18.95
12	COG 6	\$0.7383						\$43.47	\$43.47
13	Summer Period 2021 Avg. COG	\$0.7383 *							
14	LDAC	\$0.0488	\$5.42	\$1.95	\$1.26	\$1.26	\$1.25	\$2.87	\$14.02
15		TOTAL	\$195.77	\$121.64	\$106.99	\$107.02	\$106.76	\$141.38	\$779.55
	Base Rate Change	\$ Change	\$10.08	\$6.77	\$6.12	\$11.53	\$11.47	\$19.95	\$65.91
		% Change	5.68%	5.51%	5.76%	10.80%	10.20%	12.42%	8.38%
	COG Change	\$ Change	\$8.36	-\$8.03	-\$5.21	-\$5.21	-\$10.50	-\$24.08	-\$44.68
	3	% Change	4.71%	-6.53%	-4.91%	-4.88%	-9.34%	-14.99%	-5.68%
	LDAC Change	\$ Change	-\$0.18	-\$0.06	-\$0.04	-\$0.04	-\$0.04	-\$0.09	-\$0.46
	3	% Change	-0.10%	-0.05%	-0.04%	-0.04%	-0.04%	-0.06%	-0.06%
,		70 0.1.a.i.go	0	0.0070	0.0.70	0.0.70	0.0170	0.0070	0.0070
10								0.1.1	
16 17	Typical Hagger therma		May	June	July	August	Sept	October	Summer
17	Typical Usage: therms		May 111	June 40	July 26	August 26	Sept 26	October 59	Summer 287
17 18	Summer 2022	#75.00	111	40	26	26	26	59	287
17 18 19	Summer 2022 Customer Charge units @	\$75.09	111 \$75.09	40 \$75.09	26 \$75.09				287 \$450.54
17 18 19 20	Summer 2022 Customer Charge units @ First 75 units @	\$0.2090	\$75.09 \$15.68	\$75.09 \$8.35	\$75.09 \$5.41	26	26	59	\$450.54 \$29.43
17 18 19 20 21	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @	\$0.2090 \$0.2090	111 \$75.09	40 \$75.09	26 \$75.09	\$75.09	26	59	\$450.54 \$29.43 \$7.53
17 18 19 20 21 22	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @	\$0.2090 \$0.2090 \$0.2320	\$75.09 \$15.68	\$75.09 \$8.35	\$75.09 \$5.41	26	\$75.09	59 \$75.09	\$450.54 \$29.43 \$7.53 \$6.01
17 18 19 20 21 22 23	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @	\$0.2090 \$0.2090 \$0.2320 \$0.2556	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35	\$75.09 \$5.41	\$75.09	26	59	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61
17 18 19 20 21 22 23 24	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630	\$75.09 \$15.68	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41	\$75.09	\$75.09	59 \$75.09	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61
17 18 19 20 21 22 23 24 25	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35	\$75.09 \$5.41 \$0.00	\$75.09	\$75.09	59 \$75.09	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51
17 18 19 20 21 22 23 24 25 26	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41	\$75.09 \$6.01	\$75.09	59 \$75.09	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32
17 18 19 20 21 22 23 24 25 26 27	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$75.09	\$75.09 \$6.56	59 \$75.09	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35
17 18 19 20 21 22 23 24 25 26 27 28	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$0.9395 \$1.1473	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$75.09 \$6.01	\$75.09	\$75.09 \$15.05	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45
17 18 19 20 21 22 23 24 25 26 27 28 29	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$75.09 \$6.01	\$75.09 \$6.56	59 \$75.09	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35
17 18 19 20 21 22 23 24 25 26 27 28 29 30	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473	\$75.09 \$15.68 \$7.53 \$73.61	\$75.09 \$8.35 \$0.00 \$37.51	\$75.09 \$5.41 \$0.00 \$24.32	\$75.09 \$6.01 \$24.35	\$75.09 \$6.56 \$29.45	\$75.09 \$15.05 \$67.55	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55
17 18 19 20 21 22 23 24 25 26 27 28 29	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473	\$75.09 \$15.68 \$7.53	\$75.09 \$8.35 \$0.00	\$75.09 \$5.41 \$0.00	\$75.09 \$6.01	\$75.09 \$6.56	\$75.09 \$15.05	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45
17 18 19 20 21 22 23 24 25 26 27 28 29 30	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473	\$75.09 \$15.68 \$7.53 \$73.61	\$75.09 \$8.35 \$0.00 \$37.51	\$75.09 \$5.41 \$0.00 \$24.32	\$75.09 \$6.01 \$24.35	\$75.09 \$6.56 \$29.45	\$75.09 \$15.05 \$67.55	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473 \$0.8938	\$75.09 \$15.68 \$7.53 \$73.61	\$75.09 \$8.35 \$0.00 \$37.51	\$75.09 \$5.41 \$0.00 \$24.32	\$75.09 \$6.01 \$24.35	\$6.56 \$29.45 \$1.29	\$75.09 \$15.05 \$67.55 \$2.97	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Summer 2022 Customer Charge units @ First 75 units @ Over 75 units @ Eff, Aug. 1, 2022 All @ Eff, Sept. 1, 2022 All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$0.2090 \$0.2090 \$0.2320 \$0.2556 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473 \$0.8938 \$0.0504	\$75.09 \$15.68 \$7.53 \$73.61 \$5.60 \$177.50	\$75.09 \$8.35 \$0.00 \$37.51 \$2.01 \$122.96	\$75.09 \$5.41 \$0.00 \$24.32 \$1.30 \$106.13	\$75.09 \$6.01 \$24.35 \$1.31 \$106.76	\$6.56 \$29.45 \$11.29	\$75.09 \$75.05 \$15.05 \$67.55 \$2.97 \$160.66	\$450.54 \$29.43 \$7.53 \$6.01 \$21.61 \$73.61 \$37.51 \$24.32 \$24.35 \$29.45 \$67.55 \$14.48

Northern Utilities, Inc. New Hampshire Division **REVISED Attachment NUI-SED-3** Page 8 of 10

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-41 Commercial & Industrial Bill - 3,797 therms/Summer Comparison of Summer 2023 vs. Summer 2022 May

1,283

Typical Usage: therms(1)

Summer 2023

June

526

July

391

August

382

Sept

389

October

825

Summer

3,797

	Julillier 2023								
Customer Charge	units @	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$222.64	\$1,335.8
All	units @	\$0.1895	\$243.22	\$99.72	\$74.06				\$416.9
All eff. Aug 1, 2023	units @	\$0.2881				\$110.06	\$112.18	\$237.76	\$460.0
	COG 1	\$0.7383	\$947.58						\$947.
	COG 2	\$0.7383		\$388.49					\$388.4
	COG 3	\$0.7383			\$288.55				\$288.
	COG 4	\$0.7383				\$282.04			\$282.
	COG 5	\$0.7383					\$287.48		\$287.
	COG 6	\$0.7383						\$609.31	\$609.
	Summer Period 2021 Avg. COG	\$0.7383 *							
	LDAC	\$0.0488	\$62.63	\$25.68	\$19.07	\$18.64	\$19.00	\$40.27	\$185.
		TOTAL	\$1,476.07	\$736.53	\$604.32	\$633.37	\$641.31	\$1,109.99	<u>\$5,201.</u>
Base Rate Change		\$ Change	-\$28.88	-\$11.84	-\$8.79	\$0.00	\$0.00	\$0.00	-\$49.
		% Change	-2.05%	-1.38%	-1.27%	0.00%	0.00%	0.00%	-0.84
COG Change		\$ Change	\$96.64	-\$105.87	-\$78.63	-\$76.86	-\$159.26	-\$337.54	-\$661.
· ·		% Change	6.85%	-12.38%	-11.36%	-10.89%	-19.88%	-23.29%	-11.19
LDAC Change		\$ Change	-\$2.05	-\$0.84	-\$0.63	-\$0.61	-\$0.62	-\$1.32	-\$6.
22710 01141190			•		-0.09%	-0.09%	-0.08%	-0.09%	-0.10
		% Change	-0.15%	-0.10%	-0.09%	-0.0370	0.0070	0.0376	0.10
		% Change	May	June	July	August	Sept	October	Summ
	Typical Usage: therms	% Change							
	Typical Usage: therms Summer 2022		May	June	July	August	Sept	October	Summ
Customer Charge	Summer 2022 units @	\$222.64	May 1,283	June 526	July 391	August	Sept	October	<u>Summ</u> 3,7 \$1,335.
All	Summer 2022 units @ units @	\$222.64 \$0.2120	May 1,283	June 526	July 391	August 382 \$222.64	Sept 389	October 825	Summ 3,7 \$1,335. \$466.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @	\$222.64 \$0.2120 \$0.2744	May 1,283	June 526	July 391	August 382	Sept 389 \$222.64	October 825 \$222.64	\$1,335. \$466. \$104.
All	Summer 2022 units @ units @ All @ All @	\$222.64 \$0.2120 \$0.2744 \$0.2883	May 1,283 \$222.64 \$272.09	June 526	July 391	August 382 \$222.64	Sept 389	October 825	\$1,335. \$466. \$104. \$350.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630	May 1,283	June 526 \$222.64 \$111.55	July 391	August 382 \$222.64	Sept 389 \$222.64	October 825 \$222.64	\$1,335. \$466. \$104. \$350. \$850.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395	May 1,283 \$222.64 \$272.09	June 526	July 391 \$222.64 \$82.85	August 382 \$222.64	Sept 389 \$222.64	October 825 \$222.64	\$1,335. \$466. \$104. \$350. \$850. \$494.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395	May 1,283 \$222.64 \$272.09	June 526 \$222.64 \$111.55	July 391	August 382 \$222.64 \$104.82	Sept 389 \$222.64	October 825 \$222.64	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$0.9395	May 1,283 \$222.64 \$272.09	June 526 \$222.64 \$111.55	July 391 \$222.64 \$82.85	August 382 \$222.64	Sept 389 \$222.64 \$112.26	October 825 \$222.64	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367. \$358.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$0.9395 \$1.1473	May 1,283 \$222.64 \$272.09	June 526 \$222.64 \$111.55	July 391 \$222.64 \$82.85	August 382 \$222.64 \$104.82	Sept 389 \$222.64	October 825 \$222.64 \$237.93	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367. \$358. \$446.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$0.9395	May 1,283 \$222.64 \$272.09	June 526 \$222.64 \$111.55	July 391 \$222.64 \$82.85	August 382 \$222.64 \$104.82	Sept 389 \$222.64 \$112.26	October 825 \$222.64	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367. \$358.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$0.9395 \$1.1473 \$1.1473 \$0.9125	May 1,283 \$222.64 \$272.09	\$222.64 \$111.55 \$494.37	July 391 \$222.64 \$82.85	August 382 \$222.64 \$104.82	Sept 389 \$222.64 \$112.26	October 825 \$222.64 \$237.93	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367. \$358. \$446.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$0.9395 \$1.1473 \$1.1473	May 1,283 \$222.64 \$272.09	June 526 \$222.64 \$111.55	July 391 \$222.64 \$82.85	August 382 \$222.64 \$104.82	Sept 389 \$222.64 \$112.26	October 825 \$222.64 \$237.93	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367. \$358. \$446. \$946.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473 \$0.9125 \$0.0504	\$222.64 \$272.09 \$850.94 \$64.69	\$222.64 \$111.55 \$494.37 \$26.52 \$855.08	391 \$222.64 \$82.85 \$367.18 \$19.70 \$692.37	\$222.64 \$104.82 \$358.90 \$19.25 \$705.61	\$ept 389 \$222.64 \$112.26 \$446.74 \$19.62 \$801.26	**Detober 825 \$222.64 \$237.93 \$946.85 \$41.59 \$1,449.01	\$1,335. \$466. \$104. \$350. \$494. \$367. \$358. \$446. \$946.
All Eff, Aug. 1, 2022	Summer 2022 units @ units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$222.64 \$0.2120 \$0.2744 \$0.2883 \$0.6630 \$0.9395 \$0.9395 \$1.1473 \$1.1473 \$0.9125	\$222.64 \$272.09 \$850.94	\$222.64 \$111.55 \$494.37	391 \$222.64 \$82.85 \$367.18	**August 382 \$222.64 \$104.82 \$358.90 \$19.25	\$ept 389 \$222.64 \$112.26 \$446.74	**Detober 825 ***\$222.64 ***\$237.93 ***\$946.85 ***\$41.59	\$umm 3,7 \$1,335. \$466. \$104. \$350. \$850. \$494. \$367. \$358. \$446.

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 9 of 10

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-51 Commercial & Industrial Bill - 7,530 therms/Summer Comparison of Summer 2023 vs. Summer 2022

		•						Ī	
1			May	June	July	August	Sept	October	<u>Summer</u>
2	Typical Usage	e: therms(1)	1,465	1,237	1,134	1,220	1,164	1,310	<u>7,530</u>
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, 20		\$0.1763				\$215.09	\$205.27	\$230.98	\$651.34
7	COG 1	\$0.6331	\$927.56					•	\$927.56
8	COG 2	\$0.6331		\$783.04					\$783.04
9	COG 3	\$0.6331			\$717.93				\$717.93
10	COG 4	\$0.6331				\$772.40			\$772.40
11	COG 5	\$0.6331					\$737.13		\$737.13
12	COG 6	\$0.6331						\$829.47	\$829.47
13	Summer Period 2021 Avg. COG	\$0.6331 *							
14	LDAC	\$0.0488	\$71.50	\$60.36	\$55.34	\$59.54	\$56.82	\$63.94	\$367.49
15		TOTAL	\$1,483.38	\$1,287.31	\$1,198.99	\$1,272.03	\$1,224.22	\$1,349.39	\$7,815.31
Base Rate Chan	je	\$ Change	\$44.46	\$34.01	\$29.30	\$2.36	\$2.36	\$2.36	\$114.85
		% Change	3.22%	2.20%	2.60%	0.20%	0.14%	0.12%	1.29%
COG Change		\$ Change	\$59.48	-\$291.77	\$46.04	\$49.53	-\$516.61	-\$581.32	-\$1,234.64
_		% Change	4.30%	-18.86%	4.09%	4.10%	-29.67%	-30.10%	-13.82%
LDAC Change		\$ Change	-\$2.34	-\$1.98	-\$1.81	-\$1.95	-\$1.86	-\$2.10	-\$12.05
		% Change	-0.17%	-0.13%	-0.16%	-0.16%	-0.11%	-0.11%	-0.13%
16		% Change	-0.17% May	-0.13% June	-0.16% July			-0.11% October	-0.13% Summer
16 17	Typical Usage					-0.16% August	-0.11% Sept 1,164		
	Typical Usage Summer 2022		May	June	July	August	Sept	October	Summer
17 <u> </u>	Summer 2022		May	June	July	August	Sept	October	Summer
17	Summer 2022	e: therms	May 1,465	June 1,237	July 1,134	August 1,220	Sept 1,164	October 1,310	<u>Summer</u> 7,530
17 18 19 Customer Charge 20 First 21 Over	Summer 2022 units @	\$222.64 \$0.1562 \$0.1312	May 1,465	June 1,237 \$222.64	July 1,134 \$222.64	August 1,220 \$222.64	Sept 1,164	October 1,310	<u>Summer</u> 7,530 \$1,335.84 \$468.60 \$109.67
17 18 19 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022	Summer 2022 units @ 1,000 units @ 1,000 units @ All @	\$222.64 \$0.1562	May 1,465 \$222.64 \$156.20	June 1,237 \$222.64 \$156.20	July 1,134 \$222.64 \$156.20	August 1,220	Sept 1,164 \$222.64	October 1,310 \$222.64	Summer 7,530 \$1,335.84 \$468.60 \$109.67 \$202.04
17 18 19 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770	\$222.64 \$156.20 \$61.02	June 1,237 \$222.64 \$156.20	July 1,134 \$222.64 \$156.20	August 1,220 \$222.64	Sept 1,164	October 1,310	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98
17 18 19 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925	May 1,465 \$222.64 \$156.20	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20	August 1,220 \$222.64	Sept 1,164 \$222.64	October 1,310 \$222.64	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08
17 18 19 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690	\$222.64 \$156.20 \$61.02	June 1,237 \$222.64 \$156.20	July 1,134 \$222.64 \$156.20 \$17.58	August 1,220 \$222.64	Sept 1,164 \$222.64	October 1,310 \$222.64	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80
17 18 19 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25 26	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20	\$222.64 \$202.04	Sept 1,164 \$222.64	October 1,310 \$222.64	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89
17 18 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25 26 27	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20 \$17.58	August 1,220 \$222.64	\$222.64 \$2206.08	October 1,310 \$222.64	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87
17 18 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25 26 27 28	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925 \$1.0768	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20 \$17.58	\$222.64 \$202.04	Sept 1,164 \$222.64	9222.64 \$2231.90	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87 \$1,253.74
17 18 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 24 25 26 27 28 29	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925 \$1.0768 \$1.0768	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20 \$17.58	\$222.64 \$202.04	\$222.64 \$2206.08	October 1,310 \$222.64	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87
17 18 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25 26 27 28	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925 \$1.0768 \$1.0768	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20 \$17.58	\$222.64 \$202.04	\$222.64 \$2206.08	9222.64 \$2231.90	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87 \$1,253.74
17 18 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 24 25 26 27 28 29	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925 \$1.0768 \$1.0768	\$222.64 \$156.20 \$61.02	\$222.64 \$156.20 \$31.07	July 1,134 \$222.64 \$156.20 \$17.58	\$222.64 \$202.04	\$222.64 \$2206.08	9222.64 \$2231.90	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87 \$1,253.74
17 18 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 24 25 26 27 28 29 30	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925 \$1.0768 \$1.0768	\$222.64 \$156.20 \$61.02 \$868.08	June 1,237 \$222.64 \$156.20 \$31.07 \$1,074.80	July 1,134 \$222.64 \$156.20 \$17.58 \$671.89	\$222.64 \$202.04 \$722.87	\$ept 1,164 \$222.64 \$206.08 \$1,253.74	\$222.64 \$231.90 \$1,410.79	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87 \$1,253.74 \$1,410.79
17 18 19 Customer Charge 20 First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25 26 27 28 29 30 31	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$0.5925 \$1.0768 \$1.0768 \$0.7971 *	\$222.64 \$156.20 \$61.02 \$868.08	June 1,237 \$222.64 \$156.20 \$31.07 \$1,074.80	July 1,134 \$222.64 \$156.20 \$17.58 \$671.89	\$222.64 \$202.04 \$722.87	\$ept 1,164 \$222.64 \$206.08 \$1,253.74 \$58.68	\$222.64 \$231.90 \$1,410.79 \$66.03	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$722.87 \$1,253.74 \$1,410.79
17 18 19 Customer Charge First 21 Over 22 Eff. Aug. 1, 2022 23 Eff. Sept. 1, 2022 24 25 26 27 28 29 30 31 32	Summer 2022 units @ 1,000 units @ 1,000 units @ All @ All @ All @ COG 1 COG 2 COG 3 COG 4 COG 5 COG 6 Summer Period 2020 Avg. COG	\$222.64 \$0.1562 \$0.1312 \$0.1656 \$0.1770 \$0.5925 \$0.8690 \$0.5925 \$1.0768 \$1.0768 \$0.7971 *	\$222.64 \$156.20 \$61.02 \$868.08 \$73.84	\$222.64 \$156.20 \$31.07 \$1,074.80 \$62.34	July 1,134 \$222.64 \$156.20 \$17.58 \$671.89 \$57.15 \$1,125.46	\$222.64 \$202.04 \$722.87 \$61.49 \$1,209.03	\$ept 1,164 \$222.64 \$226.08 \$1,253.74 \$58.68 \$1,741.14	\$222.64 \$231.90 \$1,410.79 \$66.03 \$1,931.36	\$1,335.84 \$468.60 \$109.67 \$202.04 \$437.98 \$868.08 \$1,074.80 \$671.89 \$72.87 \$1,253.74 \$1,410.79 \$379.53

Northern Utilities, Inc. New Hampshire Division REVISED Attachment NUI-SED-3 Page 10 of 10

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		
	Summer 2022	Summer 2023
Customer Charge	\$22.20	\$22.20
First 50 Therms**	\$0.7629	\$0.9264
Over 50 therms**	\$0.7629	\$0.9264
LDAC	\$0.0816	\$0.1845
CGA	\$0.8781	\$0.6916

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

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

^{**} Average distribution rates.