



FILED ELECTRONICALLY

October 13, 2021

Dianne Martin
Chairwoman
New Hampshire Public Utilities Commission
21 S. Fruit St., Suite 10
Concord, New Hampshire 03301

Re: **Northern Utilities, Inc. -- DG 21-131, 2021 / 2022 Annual Cost of Gas;
Record Request**

Dear Chairwoman Martin,

In response to the Commission's Record Request, issued on October 12, 2021 in this Docket, Northern Utilities, Inc. hereby submits a copy of all live spreadsheets (in Excel), in confidential and redacted versions, used in the 2021 / 2022 Annual Cost of Gas filing.

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

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Sincerely,

A handwritten signature in black ink, appearing to read "P. H. Taylor", with a long horizontal flourish extending to the right.

Patrick H. Taylor
Attorney for Northern Utilities, Inc.

Patrick Taylor
Senior Counsel
taylorp@unitil.com

6 Liberty Lane West
Hampton, NH 03842

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2	Filing Type & Definitions											
3	Filing Period		Peak	Running macro. Please wait...				Key Code Blue Text / Yellow Highlight - Enter Input Black Text - Calculation; No Input Required				
4	Filing Year		2021									
5	Report Type		CGA									
6												
7	Tariff Issued Date		9/17/2021									
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10				Workbook is currently: UnLocked								
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13	Peak Period Start Month	November	11	2021								
14	Peak Period End Month	April	4	2022								
15	Off Peak Period Start Month	May	5	2022								
16	Off Peak Period End Month	October	10	2022								
17												
18												
19	Test Year Months	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	
20	Days in Month	30	31	31	28	31	30	31	30	31	31	
21												
22	Hyperlinks to Data Entry			Hyperlinks to Maine Division CGF Schedules (1)				Hyperlinks to New Hampshire Division COG Schedules (3)				
23												
24	CGA Inputs	Notes	Last Updated	ME CGF Schedules	Notes	Schedule	NH COG Schedules	Notes	Schedule			
25	NUI Demand Cost	Peak Only	9/1/21 CAK	Allocation of NUI Fixed Capacity Costs		Attachment NUI-CAK-1	Summary		Attachment NUI-CAK-10			
26	NUI Contract Detail	Peak Only	9/1/21 CAK	SMBA Allocations		Attachment NUI-CAK-2	Allocation of NUI Fixed Capacity Costs		Attachment NUI-CAK-1			
27	PR Allocator Volumes	Peak Only	9/1/21 CAK	Adjustment for PNGTS Litigation Expense		Adjustment to PNGTS	SMBA Allocations		Attachment NUI-CAK-2			
28	Design Day Demand	Peak Only	9/1/21 CAK	Division Sales and Sendout Forecast		Attachment NUI-CAK-3	Division Sales and Sendout Forecast		Attachment NUI-CAK-3			
29												
30	ME Division Specific Cost Adders & Credits		9/1/21 CAK				Allocation of Gas Costs to Firm Sales Rate Classes		Attachment NUI-CAK-8			
31	NH Division Specific Cost Adders & Credits		9/1/21 CAK	Allocation of Gas Costs to Firm Sales Rate Classes		Attachment NUI-CAK-4	Commodity Costs		Attachment NUI-CAK-4			
32				Demand Costs		Attachment NUI-CAK-8	Demand Costs Allocated by Rate Class		Attachment NUI-CAK-4			
33	Sales Forecast, Delivery to Throughput Ratios		9/1/21 CAK	Commodity Costs		Attachment NUI-CAK-5	Allocation of Commodity Costs to Divisions		Attachment NUI-CAK-5			
34	Sendout Volumes by Supply Source		9/1/21 CAK	Allocation of Commodity Costs to Divisions		Attachment NUI-CAK-6	Sales Sendout Quantities & Commodity Costs		Attachment NUI-CAK-6			
35	Interruptible Volumes (Included in Sendout)		N/A	Commodity Cost Analysis								
36												
37	Pipeline Commodity Costs		9/1/21 CAK	Tariff Sheets			Supporting Detail to the Tariff Sheets					
38	Storage Commodity Costs		9/1/21 CAK	ME Tariff p. 60.1 (Calculation of GCF)		Attachment NUI-CAK-9	NH Gas Accting Report p2		Attachment NUI-CAK-12			
39	Peaking Commodity Costs		9/1/21 CAK				Average Cost of Gas & Residential Cost Re-allocation		Attachment NUI-CAK-9			
40	Inventory		9/1/21 CAK	Supporting Detail to the Tariff Sheets			NH Supply Detail					
41	NYMEX Settlement Price		9/1/21 CAK	Calculation of Working Capital & Bad Debt		Attachment NUI-CAK-10	Gas Inventory		Attachment NUI-CAK-7			
42	NYMEX Settlement Price Log		9/1/21 CAK				Variance Analysis	Manual Update	Schedule 2-CAK			
43	Hedging Contract Information		9/1/21 CAK	ME Gas Accting Report p2	Manual Update							
44				Gas Inventory	Manual Update	Attachment NUI-CAK-7	Bad Debt		Attachment NUI-CAK-11			
45				Variance Analysis	Manual Update	Attachment NUI-CAK-11						
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53	Hyperlinks to Data Entry			Hyperlinks to Maine Monthly Gas Report (2)				Hyperlinks to New Hampshire Monthly Gas Report (4)				
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55												
56	Monthly Report Inputs		Last Updated	ME Monthly Gas Report (For Internal Purposes)		Schedule	NH Monthly Gas Report Schedules		Schedule			
57	NYMEX Settlement Price Used for Update			ME Gas Accting Report p1	Manual Update		NH Gas Accting Report p1	Manual Update				
58	NYMEX Settlement Price Log			ME Gas Accting Report p2	Manual Update		NH Gas Accting Report p2	Manual Update				
59												
60	NH Peak											
61	Firm Sales Volumes (Actuals or Revised Est.)											
62	CGA Rates (Historical & Current)											
63	Actual Firm Sales Revenues											
64	Actual Direct Cost of Gas											
65												
66	NH Off Peak											
67	Firm Sales Volumes (Actuals or Revised Est.)											
68	CGA Rates (Historical & Current)											
69	Actual Firm Sales Revenues											
70	Actual Direct Cost of Gas											
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83	(For Internal Purposes)											
84	Log of Model Revisions											
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NUI COMPANY TOTAL ALLOCATED DEMAND COSTS			Input Instructions	
MDQ, Dth	NUI Annual Demand Cost			
Pipeline Reservation			new	old
Algonquin	\$ 5,570,999			
Granite	\$ 1,863,695			
Iroquois	\$ 412,720			
Maritimes	\$ 1,204,500			
PNGTS	\$ 2,737,500			
Tennessee	\$ 3,567,276			
Texas Eastern	\$ 81,824			
TransCanada	\$ 2,134,174			
Union	\$ 380,587			
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Total Pipeline	40,586	\$ 17,953,274	\$ -	\$ -
Storage				
Granite	\$ 3,014,392			
PNGTS	\$ 8,760,657			
Tennessee	\$ 223,021			
TransCanada	\$ 8,522,847			
Union	\$ 1,511,950			
Tennessee	\$ 119,638			
Union	\$ 2,840,000			
Total Storage	42,507	\$ 24,992,506		
Peaking (Excluding Local Production)				
Granite	\$ 2,216,171			
LNG Contract	\$ 1,776,000			
Peaking Contract 1	\$ 9,621,667			
Total Peaking		\$ 13,613,838		
Total Demand Excluding Local Prod				
		\$ 56,559,617		
Adjustments to Demand Costs				
Capacity Release (Credit)	\$ -		Reductions to Demand Costs should be inputted as negative values.	
Asset Management (Credit)	\$ (9,902,100)			
Subtotal	\$ (9,902,100)			
Total Demand Costs				
		\$ 46,657,517		

Key Code
Blue Text / Green Highlight - Update Input for Peak Filings Only.
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Adjustments to Demand Costs Monthly Detail													
	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
Capacity Release (Credit)													\$ -
Asset Management (Credit)	\$ (810,930)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (9,902,100)
													\$ -

PR ALLOCATOR FOR CAPACITY COSTS

Key Code
Blue Text / Green Highlight - Update Input for Peak/Winter Filings Only.
Black Text - Calculation; No Input Required
Calculation Check
Input Instructions (A)
In cells highlighted in green, enter the 12 month historical Sendout for most recent May-April period adjusted from Actual EDD to Design Winter EDD. These inputs should be updated during Winter Filing Only. The resulting PR Allocator should remain fixed for 12 months effective November 1st.
Input Instructions (B)
In cells highlighted in green, enter the supply dispatch volume results from SENDOUT™ Portfolio Optimization Modeling that meet the Design Winter demand requirements as entered in Section (A) above. Available Portfolio options should be modeled on a current basis and not back cast. These inputs should be updated during Winter Filing Only.

(A) FIRM DESIGN YEAR SENDOUT VOLUMES

Calendar Month Sendout Volumes, MMBtu (Includes Lost & Unaccounted For)

Actual Historical Volumes Adjusted for Design Year Weather

	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	Winter	Summer
MAINE DIVISION															
Total Sales Volume	769,970	1,118,218	1,373,487	1,222,295	1,075,734	602,565	335,601	186,167	184,179	197,150	232,899	397,265	7,695,530	6,162,269	1,533,261
Total Assigned Capacity for Transportation [1]	183,108	245,068	281,875	248,523	223,267	140,304	92,311	66,054	56,316	57,847	73,169	116,193	1,784,034	1,322,144	461,889
Total	953,078	1,363,286	1,655,363	1,470,818	1,299,001	742,868	427,912	252,221	240,495	254,997	306,067	513,458	9,479,564	7,484,414	1,995,150
NEW HAMPSHIRE DIVISION															
Total Sales Volume	473,924	746,005	884,060	759,575	635,070	312,572	164,969	91,875	82,497	87,972	108,619	227,211	4,574,349	3,811,206	763,143
Total Non-Grandfathered Transportation [2]	211,315	261,312	308,701	274,388	250,505	162,592	101,738	85,196	85,929	86,996	100,814	149,989	2,079,476	1,468,813	610,662
Total	685,239	1,007,317	1,192,761	1,033,962	885,575	475,164	266,707	177,072	168,426	174,968	209,433	377,201	6,653,824	5,280,019	1,373,805
COMPANY TOTAL	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	16,133,388	12,764,433	3,368,955

Notes:

[1] Includes ME Assigned Transportation for Special Contracts.

[2] Includes Special Contract.

(B) COMPANY TOTAL SUPPLY DISPATCH

Calendar Month Sendout Volumes, MMBtu (Includes Loss & Unaccounted For)

Actual Historical Volumes Adjusted for Design Winter Weather

	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	Winter	Summer
NUI COMPANY TOTAL															
Pipeline	1,251,924	1,257,819	1,257,819	1,207,638	1,484,768	1,216,238	692,758	427,492	407,061	428,105	513,700	888,799	11,034,122		
Storage Withdrawals (Excl Peaking Supplies)	384,599	949,630	1,116,303	1,034,206	647,868	0	0	0	0	0	0	0	4,132,606		
Storage Injections TGP Only	0	0	0	0	0	0	0	0	0	0	0	0	0		
On-system Peaking Supplies (Withdrawals)	1,794	79,083	112,600	79,389	13,513	1,794	1,860	1,800	1,860	1,860	1,800	1,860	299,212		
Total Supply (Excluding Injections)	1,638,317	2,286,532	2,486,722	2,321,232	2,146,149	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	15,465,941		
Off-system Peaking Supplies	0	84,071	361,402	183,548	38,427	0	0	0	0	0	0	0	667,448		
	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	16,133,388		
Supply Difference from Demand															
Including ME Assigned Capacity for All Mo	(0)	0	(0)	(0)	0	(0)	(0)	0	0	(0)	(0)	(0)	(0)		
Including ME Assigned Capacity for Nov-Apr	(0)	0	(0)	(0)	0	(0)	(0)	0	0	(0)	(0)	(0)	(0)		

DESIGN DAY DEMANDS - BOTH DIVISIONS (MMBtu)

Key Code
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Black Text - Calculation; No Input Required
Input Instructions
Enter (A) Design Day Forecast and (B) Design Day Base for ME & NH Divisions in Cells Highlighted in Green.
Calculated Temperature Sensitive Design Day Demand percentages of totals feed into "Remaining" tab. These values are used to allocate division level monthly remaining costs to customer classes.

Sendout for Design Day Calculation							
Northern Utilities - MAINE DIVISION							
	Customer Class	Design Day Forecast Maine	% of Total Total	Design Day Base Maine	% of Total Total	Temperature Sensitive Design Day Maine	% of Total Total
1							
2							
3							
4							
5							
6	Res Heat	18,547	26.76%	1,348	14.37%	17,199	28.69%
7	Res General	347	0.50%	56	0.60%	290	0.48%
8	G50 Low Annual-Low Winter	705	1.02%	243	2.59%	462	0.77%
9	G40 Low Annual-High Winter	14,269	20.59%	1,018	10.86%	13,251	22.11%
10	G51 Med Annual-Low Winter	1,489	2.15%	572	6.10%	917	1.53%
11	G41 Med Annual-High Winter	16,834	24.28%	1,434	15.29%	15,400	25.69%
12	G52 High Annual-Low Winter	1,242	1.79%	748	7.97%	494	0.82%
13	G42 High Annual-High Winter	15,885	22.92%	3,958	42.21%	11,928	19.90%
14	Total	69,320		9,377		59,942	
15							
16	Residential	18,894	27.26%	1,404	14.98%	17,490	29.18%
17	SALES HLF CLASSES	3,436	4.96%	1,563	16.67%	1,873	3.13%
18	SALES LLF CLASSES	46,989	67.79%	6,410	68.36%	40,579	67.70%
19	Grand Total	69,320	100.00%	9,377	100.00%	59,942	100.00%

Sendout for Design Day Calculation							
Northern Utilities - NEW HAMPSHIRE DIVISION							
	Customer Class	Design Day Forecast NH	% of Total Total	Design Day Base NH	% of Total Total	Temperature Sensitive Design Day NH	% of Total Total
1							
2							
3							
4							
5							
6	Res Heat	24,141	48.16%	1,406	39.76%	22,735	48.80%
7	Res General	222	0.44%	32	0.91%	190	0.41%
8	G50 Low Annual-Low Winter	905	1.81%	265	7.51%	640	1.37%
9	G40 Low Annual-High Winter	11,858	23.66%	533	15.07%	11,325	24.31%
10	G51 Med Annual-Low Winter	1,441	2.87%	399	11.30%	1,041	2.23%
11	G41 Med Annual-High Winter	9,240	18.43%	563	15.93%	8,677	18.62%
12	G52 High Annual-Low Winter	365	0.73%	160	4.54%	205	0.44%
13	G42 High Annual-High Winter	1,952	3.90%	177	5.00%	1,776	3.81%
14	Total	50,124		3,536		46,588	
15							
16	Residential	24,363	48.61%	1,438	40.67%	22,925	49.21%
17	SALES HLF CLASSES	2,711	5.41%	825	23.34%	1,886	4.05%
18	SALES LLF CLASSES	23,050	45.99%	1,273	35.99%	21,778	46.75%
19	Grand Total	50,124	#####	3,536	100.00%	46,588	100.00%

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Northern Utilities - MAINE DIVISION

DIVISION SPECIFIC DEMAND COSTS & CREDITS											
<i>These costs are assigned directly to Divisions outside of the PR Allocation model.</i>											
Local Production (Peak Only)	Annual	Peak	Off Peak	Input Instructions / Notes							
LNG Production & Capacity	\$ 371,708			Local Production & Capacity established during last rate case. Currently using proposed costs in 2011-092							
LP Production & Capacity	\$ -										
Total Maine Local Production & Capacity	\$ 371,708	\$ 371,708	\$ -								
Other A&G Misc.	Annual	Peak	Off Peak	Input Instructions / Notes							
	\$ 766,463	\$ 733,573	\$ 32,890	Other A&G established during last rate case. Recovery by month fixed in Winter Filing. Currently using proposed costs in 2011-092							
	\$ 1,105,281										
Monthly Allocation of Other A&G Misc (NOT REQUIRED)				Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22
				\$ 42,098	\$ 107,703	\$ 237,602	\$ 110,479	\$ 100,230	\$ 41,464	\$ 10,728	\$ 2,166
				\$ 47	\$ 1,554	\$ 4,979	\$ 16,514				
Source: Peak Filing, Demand.ME.NH tab, row 93											
Reductions to Demand Costs	Annual	Peak	Off Peak	Input Instructions / Notes							
Estimated Interruptible Margin		\$ -	\$ -	90% of estimated annual Interruptible Margins (Per MPUC Tariff, p.51)							
Re-entry and Conversion Revenue Estimate	\$ 5,000	\$ 5,000	\$ -								
Capacity Assignment Demand Revenue Estimate	\$ (4,419,945)			Estimate for Nov 2021 - Oct 2022; Required for Peak Filing Only.							

OTHER RECOVERY FACTORS	PEAK		OFF PEAK	
Demand Cost Factors	\$\$	Per ccf	\$\$	Per ccf
Reconciliation Adjustment for Under/(Over) Collection	(214,327)	From Winter Period Reconciliation	88,775	From Summer Period Reconciliation
Working Capital Reconciliation for Under/(Over) Collection	(10,761)		497	
Supplier Refund R1d		\$0.0000		\$0.0000
Supplier Refund R2d		\$0.0000		\$0.0000
Commodity Cost Factors	\$\$	Per ccf	\$\$	Per ccf
Reconciliation Adjustment for Under/(Over) Collection	1,006,980	From Winter Period Reconciliation	64,950	From Summer Period Reconciliation
Working Capital Reconciliation for Under/(Over) Collection	21,048		(4,240)	
Bad Debt Reconciliation	(157,022)		(6,955)	
Unit Supplier Refund R1c		\$0.0000		\$0.0000
Unit Supplier Refund R2c		\$0.0000		\$0.0000

Working Capital Factor	0.362%
Bad Debt - Old Value	NA
Approved Rate Docket	2017-00065

Prior approved rate docket - 97-393

Projected Bad Debt						
Nov	Dec	Jan	Feb	Mar	Apr	
\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	\$40,000	
May	June	July	Aug	Sep	Oct	
\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	
Winter		Summer				

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Northern Utilities - NEW HAMPSHIRE DIVISION

DIVISION SPECIFIC DEMAND COSTS & CREDITS				
<i>These costs are assigned directly to Divisions outside of the PR Allocation model.</i>				
	Annual	Peak	Off Peak	Input Instructions / Notes
Local Production & Capacity (Peak Only)	\$ 476,106	\$ 476,106	\$ -	Local Production & Capacity established during last rate case. (See NHPUC Tariff p.21)
	Annual	Peak	Off Peak	Input Instructions / Notes
Miscellaneous Overhead	\$ 580,455			Misc Overhead established during last rate case (See NHPUC Tariff p.21). Recovery by season fixed in Winter Filing.
Allocation of Misc Overhead to Season (NOT REQUIRED)		79.87%	20.13%	
Allocated Misc Overhead	\$ 1,056,561	\$ 463,606	\$ 116,849	
	Annual	Peak	Off Peak	Input Instructions / Notes
Reductions to Demand Costs				
Estimated Interruptible Margin	\$ -	\$ -	\$ -	Estimate for Nov 2021 - Oct 2022; Required for Peak Filing Only.
Re-Entry Fee Credits	\$ 5,000	\$ 5,000	\$ -	Estimate for Nov 2021 - Oct 2022; Required for Peak Filing Only.
Capacity Assignment Demand Revenue Estimate	\$ 5,012,735			Estimate for Nov 2021 - Oct 2022; Required for Peak Filing Only.

OTHER INDIRECT COST RECOVERY FACTORS (\$\$)	PEAK	OFF PEAK
	Per Therm	Per Therm
Working Capital Reconciliation	\$ (5,834)	\$ (1,470)
Bad Debt Reconciliation	\$ (61,950)	\$ (15,614)
Refunds	\$ -	

	PEAK	OFF PEAK
Prior Under/(Over) Collection	Balance as of:	Balance as of:
ATV Reconciliation	May 1, 2021 \$ 189,294	November 1, 2021 \$ 47,710
	May 1, 2021 \$ -	November 1, 2021 \$ -

Interest Rates (%) 1.30%

Working Capital Factor 0.0892%
Bad Debt Factor - old rate no longer used NA
(NHPUC No. 10 Section 4.06.1)

Prime Rate 3.250%

FORECASTED FIRM SALES VOLUMES

MAINE DIVISION

Calendar Month Sales Volumes, MMBtu

Normal Winter

MAINE DIVISION	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	Winter	Summer
Firm Sales (Dth)															
Res Heat	193,998	280,401	329,156	288,179	254,353	161,600	69,458	45,694	40,837	41,527	45,487	84,345	1,835,035	1,507,687	327,348
Res General	3,629	5,245	6,157	5,390	4,758	3,023	2,910	1,915	1,711	1,740	1,906	3,534	41,918	28,201.6	13,716.6
G50 Low Annual-Low Winter	10,359	14,972	17,576	15,388	13,582	8,629	12,532	8,244	7,368	7,493	8,207	15,218	139,567	80,505.3	59,062.0
G40 Low Annual-High Winter	166,320	240,396	282,195	247,064	218,064	138,544	52,466	34,515	30,847	31,368	34,359	63,712	1,539,851	1,292,583.2	247,268.0
G51 Med Annual-Low Winter	23,482	33,941	39,843	34,882	30,788	19,561	29,477	19,392	17,331	17,624	19,304	35,795	321,418	182,497.1	138,921.3
G41 Med Annual-High Winter	188,943	273,095	320,579	280,670	247,725	157,389	73,886	48,607	43,441	44,175	48,387	89,722	1,816,619	1,468,401.9	348,217.0
G52 High Annual-Low Winter	26,763	24,896	26,087	23,697	24,740	23,858	23,761	21,902	22,552	23,125	22,574	26,324	290,280	150,041.3	140,238.2
G42 High Annual-High Winter	214,971	272,237	318,301	287,006	291,544	231,804	161,840	117,376	120,611	121,222	120,898	155,154	2,412,963	1,615,861.4	797,101.2
Total Firm Sales	828,466	1,145,183	1,339,894	1,182,277	1,085,552	744,408	426,330	297,644	284,698	288,274	301,122	473,804	8,397,651	6,325,779	2,071,872
Subtotal															
Residential Heat & Non Heat	197,627	285,646	335,313	293,570	259,111	164,623	72,368	47,608	42,549	43,267	47,393	87,879	1,876,953	1,535,889	341,064
Sales HLF Classes	60,604	73,810	83,505	73,967	69,109	52,048	65,770	49,538	47,251	48,241	50,085	77,337	751,265	413,044	338,222
Sales LLF Classes	570,234	785,727	921,075	814,740	757,333	527,738	288,192	200,498	194,899	196,765	203,644	308,588	5,769,433	4,376,847	1,392,586
Sendout to Sales Ratio (%)	Assumed values used to convert sales & delivery forecast to sendout forecast														
Res Heat	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
Res General	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
G50 Low Annual-Low Winter	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
G40 Low Annual-High Winter	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
G51 Med Annual-Low Winter	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
G41 Med Annual-High Winter	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
G52 High Annual-Low Winter	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			
G42 High Annual-High Winter	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%	1.47%			

FORECASTED FIRM SALES VOLUMES

NEW HAMPSHIRE DIVISION

Calendar Month Sales Volumes, MMBtu

Normal Winter

NEW HAMPSHIRE DIVISION	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	Winter	Summer
Firm Sales (Dth)															
Res Heat	221,484	317,676	371,797	319,078	272,023	160,114	77,414	50,568	42,733	43,338	48,090	97,002	2,021,317	1,662,172	359,145
Res General	2,036	2,920	3,417	2,933	2,500	1,472	1,761	1,150	972	986	1,094	2,206	23,447	15,277	8,169
G50 Low Annual-Low Winter	11,832	16,971	19,862	17,046	14,532	8,554	14,616	9,547	8,068	8,182	9,080	18,314	156,605	88,798	67,808
G40 Low Annual-High Winter	112,857	161,872	189,449	162,586	138,609	81,586	29,330	19,159	16,191	16,420	18,220	36,752	983,033	846,960	136,073
G51 Med Annual-Low Winter	19,614	28,132	32,925	28,256	24,089	14,179	21,996	14,368	12,142	12,314	13,664	27,562	249,241	147,195	102,047
G41 Med Annual-High Winter	82,895	118,898	139,154	119,422	101,811	59,926	31,016	20,260	17,121	17,363	19,267	38,864	765,997	622,105	143,892
G52 High Annual-Low Winter	5,390	5,213	5,859	5,663	5,832	5,343	5,274	4,588	4,819	4,999	4,834	5,327	63,141	33,300	29,841
G42 High Annual-High Winter	15,211	20,363	25,566	22,475	20,030	14,481	9,354	6,083	5,374	5,440	6,562	10,915	161,855	118,126	43,729
Total Firm Sales	471,318	672,045	788,030	677,460	579,426	345,654	190,761	125,725	107,420	109,042	120,812	236,943	4,424,636	3,533,933	890,703
Subtotal															
Residential Heat & Non Heat	223,519	320,596	375,215	322,011	274,523	161,586	79,174	51,718	43,705	44,324	49,184	99,208	2,044,763	1,677,450	367,314
Sales HLF Classes	36,836	50,316	58,647	50,965	44,453	28,076	41,886	28,504	25,030	25,495	27,578	51,204	468,988	269,292	199,696
Sales LLF Classes	210,963	301,132	354,169	304,484	260,450	155,993	69,701	45,502	38,685	39,224	44,050	86,531	1,910,885	1,587,191	323,693
Total NH Firm Sales	471,318	672,045	788,030	677,460	579,426	345,654	190,761	125,725	107,420	109,042	120,812	236,943	4,424,636	3,533,933	890,703

Sendout to Sales Ratio (%)	Assumed values used to convert sales & delivery forecast to sendout forecast														
Res Heat	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
Res General	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
G50 Low Annual-Low Winter	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
G40 Low Annual-High Winter	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
G51 Med Annual-Low Winter	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
G41 Med Annual-High Winter	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
G52 High Annual-Low Winter	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%
G42 High Annual-High Winter	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%	1.27%

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SUPPLY SOURCE FORECASTED DISPATCH VOLUMES & COMMODITY COSTS

Inputs entered here are results from SENDOUT™ Portfolio Optimization Modeling.

SUPPLY SOURCE VOLUMES

Monthly Dispatch Results, MMBtu

Forecast for Normal Weather

	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
Pipeline	982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	
Total Pipeline	982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	8,854,520
Storage													
Total Storage	334,018	731,204	814,153	870,348	598,789	-	-	-	-	-	-	-	3,348,512
Peaking													
Total Peaking	1,794	132,447	416,567	168,774	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	798,822
Total Supply Sendout	1,317,939	1,842,583	2,157,613	1,885,708	1,688,286	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	13,001,854
Less Interruptible - ME (Incl. Above)	-	-	-	-	-	-	-	-	-	-	-	-	-
Less Interruptible - NH (Incl. Above)	-	-	-	-	-	-	-	-	-	-	-	-	-
Total (excluding Inter)	1,317,939	1,842,583	2,157,613	1,885,708	1,688,286	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	13,001,854
ME & NH Firm Sales Sendout													
(Incl. Company Use)	1,317,940	1,842,584	2,157,613	1,885,708	1,688,285	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	13,001,854
Difference	1	1	0	0	1	0	0	0	0	0	0	0	0

SUPPLY SOURCE GAS COSTS

Commodity Costs, \$'s

	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
Pipeline	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526
Total Pipeline	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526
NYMEX Pricing Adjustment to Pipeline Commodity Costs													Settled Prices
NYMEX Price Used for Forecast	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	9/14/2021
NYMEX Price Used for Update	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	9/14/2021
Increase/(Decrease) NYMEX Price	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Forecasted Pipeline Sendout Volume	982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	8,854,520
Increase/(Decrease) in Gas Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Updated Pipeline Costs	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526
Storage (Withdrawal Value Excluding Carrying Cost)													
Total Storage	\$ 1,044,295	\$ 2,265,206	\$ 2,524,545	\$ 2,702,360	\$ 1,867,551	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,403,958
Peaking (Withdrawal Value Excluding Carrying Cost)													
Total Peaking	\$ 9,526	\$ 2,091,388	\$ 4,553,220	\$ 2,865,280	\$ 1,286,222	\$ 10,221	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402	\$ 10,888,290
Total Storage & Peaking	\$ 1,053,822	\$ 4,356,594	\$ 7,077,765	\$ 5,567,640	\$ 3,153,773	\$ 10,221	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402	\$ 21,292,248
Storage (Inventory Finance Charge)													
Tennessee Storage	\$ 606	\$ 509	\$ 314	\$ 130	\$ 21	\$ -	\$ 72	\$ 145	\$ 214	\$ 354	\$ 489	\$ 618	\$ 3,470
Washington 10 Storage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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SUPPLY SOURCE FORECASTED DISPATCH VOLUMES & COMMODITY COSTS

Inputs entered here are results from SENDOUT™ Portfolio Optimization Modeling.

Total Storage	\$	606	\$	509	\$	314	\$	130	\$	21	\$	-	\$	72	\$	145	\$	214	\$	354	\$	489	\$	618	\$	3,470
Peaking (Inventory Finance Charge)																										
LNG	\$	64	\$	53	\$	43	\$	33	\$	29	\$	52	\$	74	\$	77	\$	74	\$	61	\$	76	\$	99	\$	735
Peaking Contract 1	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
Total Peaking	\$	64	\$	53	\$	43	\$	33	\$	29	\$	52	\$	74	\$	77	\$	74	\$	61	\$	76	\$	99	\$	735

Total Supply Costs

Incl NYMEX Adj	\$	6,302,351	\$	10,091,778	\$	13,140,440	\$	11,023,635	\$	8,590,113	\$	4,231,017	\$	2,207,586	\$	1,486,950	\$	1,384,547	\$	1,394,443	\$	1,424,238	\$	2,526,676	\$	63,803,774
Average Supply Cost (\$/MMBtu)	\$	4.7820	\$	5.4770	\$	6.0903	\$	5.8459	\$	5.0881	\$	3.8276	\$	3.5277	\$	3.4633	\$	3.4817	\$	3.4607	\$	3.3285	\$	3.5058		
Interruptible Included Above	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-

NYMEX Pricing Log

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Settlement Date	Notes
1	\$ 2.811	\$ 3.077	\$ 3.221	\$ 3.239	\$ 3.231	\$ 3.227	\$ 3.267	\$ 3.313	\$ 3.353	\$ 3.374	\$ 3.377	\$ 3.405	8/28/2012	Att NUI-FXW7A
2	\$ 3.475	\$ 3.783	\$ 3.923	\$ 3.937	\$ 3.906	\$ 3.870	\$ 3.893	\$ 3.930	\$ 3.971	\$ 3.986	\$ 3.988	\$ 4.022	10/10/2012	
3	\$ 3.471	\$ 3.503	\$ 3.634	\$ 3.647	\$ 3.622	\$ 3.611							11/9/2012	
4	\$ 3.471	\$ 3.719	\$ 3.837	\$ 3.852	\$ 3.823	\$ 3.799	\$ 3.830	\$ 3.865	\$ 3.903	\$ 3.923	\$ 3.925	\$ 3.959	11/19/2012	
5	\$ 3.471	\$ 3.696	\$ 3.314	\$ 3.358	\$ 3.380	\$ 3.420	\$ 3.467	\$ 3.508	\$ 3.551	\$ 3.578	\$ 3.584	\$ 3.617	12/14/2012	
6	\$ 3.471	\$ 3.696	\$ 3.358	\$ 3.398	\$ 3.416	\$ 3.444	\$ 3.488	\$ 3.530	\$ 3.574	\$ 3.600	\$ 3.606	\$ 3.639	12/17/2012	
7							\$ 3.549	\$ 3.603	\$ 3.655	\$ 3.678	\$ 3.683	\$ 3.715	1/24/2013	
8	\$ 3.467	\$ 3.648	\$ 3.736	\$ 3.738	\$ 3.704	\$ 3.656	\$ 3.679	\$ 3.711	\$ 3.744	\$ 3.760	\$ 3.760	\$ 3.781	8/12/2013	
9	\$ 3.666	\$ 3.830	\$ 3.912	\$ 3.912	\$ 3.877	\$ 3.809	\$ 3.827	\$ 3.855	\$ 3.887	\$ 3.904	\$ 3.904	\$ 3.928	9/5/2013	
10	\$ 3.820	\$ 3.966	\$ 4.059	\$ 4.064	\$ 4.038	\$ 3.971	\$ 3.987	\$ 4.014	\$ 4.045	\$ 4.056	\$ 4.048	\$ 4.065	10/14/2013	
11	\$ 3.496	\$ 3.818	\$ 4.407	\$ 5.557	\$ 5.375	\$ 4.665	\$ 4.579	\$ 4.590	\$ 4.611	\$ 4.604	\$ 4.582	\$ 4.596	2/5/2014	
12	\$ 3.496	\$ 3.818	\$ 4.407	\$ 5.557	\$ 4.855	\$ 4.609	\$ 4.550	\$ 4.568	\$ 4.599	\$ 4.586	\$ 4.557	\$ 4.565	2/28/2014	
13	\$ 4.209	\$ 4.280	\$ 4.341	\$ 4.321	\$ 4.247	\$ 3.972	\$ 3.958	\$ 3.980	\$ 4.009	\$ 4.015	\$ 4.000	\$ 4.018	7/9/2014	
14	\$ 3.957	\$ 4.052	\$ 4.134	\$ 4.124	\$ 4.050	\$ 3.783	\$ 3.760	\$ 3.788	\$ 3.816	\$ 3.825	\$ 3.814	\$ 3.844	10/7/2014	
15							\$ 2.938	\$ 2.979	\$ 3.035	\$ 3.044	\$ 3.029	\$ 3.059	1/27/2015	
16							\$ 2.697	\$ 2.748	\$ 2.804	\$ 2.813	\$ 2.806	\$ 2.839	2/3/2015	
17							\$ 2.849	\$ 2.885	\$ 2.938	\$ 2.947	\$ 2.936	\$ 2.964	2/11/2015	
18							\$ 2.605	\$ 2.654	\$ 2.714	\$ 2.747	\$ 2.754	\$ 2.783	4/1/2015	
19	\$ 2.920	\$ 3.110	\$ 3.220	\$ 3.220	\$ 3.180	\$ 3.040	\$ 3.050	\$ 3.080	\$ 3.110	\$ 3.130	\$ 3.120	\$ 3.150	7/10/2015	
20	\$ 2.502	\$ 2.718	\$ 2.857	\$ 2.863	\$ 2.835	\$ 2.712	\$ 2.724	\$ 2.761	\$ 2.801	\$ 2.810	\$ 2.804	\$ 2.828	10/9/2015	
21							\$ 2.250	\$ 2.320	\$ 2.380	\$ 2.400	\$ 2.400	\$ 2.430	1/15/2016	
22							\$ 1.787	\$ 1.900	\$ 1.996	\$ 2.046	\$ 2.065	\$ 2.107	3/4/2016	
23	\$ 2.931	\$ 3.200	\$ 3.333	\$ 3.323	\$ 3.277	\$ 3.045	\$ 3.023	\$ 3.061	\$ 3.096	\$ 3.104	\$ 3.081	\$ 3.104	7/10/2016	\$ 3.185
24	\$ 2.923	\$ 3.170	\$ 3.306	\$ 3.314	\$ 3.268	\$ 3.035	\$ 2.998	\$ 3.027	\$ 3.054	\$ 3.059	\$ 3.043	\$ 3.062	10/3/2016	\$ 3.169
25	\$ 2.764	\$ 2.703	\$ 2.875	\$ 2.921	\$ 2.928	\$ 2.896							11/17/2016	\$ 0.015
26	\$ 2.764	\$ 3.232	\$ 3.507	\$ 3.510	\$ 3.486	\$ 3.359							12/12/2016	
27							\$ 3.305	\$ 3.351	\$ 3.392	\$ 3.395	\$ 3.374	\$ 3.387	1/30/2017	
28							\$ 3.293	\$ 3.365	\$ 3.430	\$ 3.451	\$ 3.437	\$ 3.449	4/4/2017	
							\$ 3.266	\$ 3.344	\$ 3.416	\$ 3.440	\$ 3.425	\$ 3.437	4/4/2017	
29							\$ 2.844	\$ 2.869	\$ 2.895	\$ 2.899	\$ 2.875	\$ 2.894	8/9/2017	
30	\$ 3.000	\$ 3.150	\$ 3.250	\$ 3.230	\$ 3.180	\$ 2.820							7/24/2017	
	\$ 2.993	\$ 3.137	\$ 3.237	\$ 3.228	\$ 3.184	\$ 2.869								
	\$ 2.895	\$ 3.085	\$ 3.217	\$ 3.222	\$ 3.176	\$ 2.906								
	\$ 2.820	\$ 2.940	\$ 3.020	\$ 2.990	\$ 2.890	\$ 2.630	\$ 2.600	\$ 2.630	\$ 2.660	\$ 2.670	\$ 2.660	\$ 2.680	7/10/2018	
	\$ 2.890	\$ 2.979	\$ 3.066	\$ 3.030	\$ 2.926	\$ 2.635	\$ 2.603	\$ 2.634	\$ 2.667	\$ 2.671	\$ 2.653	\$ 2.669	8/29/2018	
	\$ 2.324	\$ 2.485	\$ 2.588	\$ 2.556	\$ 2.473	\$ 2.277	\$ 2.261	\$ 2.297	\$ 2.336	\$ 2.345	\$ 2.329	\$ 2.354	8/30/2019	
	\$ 2.566	\$ 2.630	\$ 2.585	\$ 2.482	\$ 2.324	\$ 2.312							11/18/2019	
	\$ 2.597	\$ 2.470	\$ 2.341	\$ 2.326	\$ 2.265	\$ 2.200								
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 2.202	\$ 2.168	\$ 2.164							1/10/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 2.182	\$ 2.158	\$ 2.163							1/13/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 2.077	\$ 2.046	\$ 2.064							1/16/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 2.003	\$ 1.985	\$ 2.011							1/20/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 1.905	\$ 1.900	\$ 1.950							1/22/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 1.877	\$ 1.971	\$ 1.971							2/18/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 1.877	\$ 1.920	\$ 1.931							2/20/2020	
	\$ 2.597	\$ 2.470	\$ 2.158	\$ 1.877	\$ 1.821	\$ 1.602							3/20/2020	
							\$ 1.733	\$ 1.863	\$ 2.060	\$ 2.128	\$ 2.156	\$ 2.217	4/10/2020	
						\$ 1.634	\$ 1.939	\$ 2.053	\$ 2.236	\$ 2.320	\$ 2.354	\$ 2.419	4/22/2020	
						\$ 1.634	\$ 1.794	\$ 1.646	\$ 1.833	\$ 1.935	\$ 2.000	\$ 2.098	5/15/2020	
						\$ 1.634	\$ 1.794	\$ 1.783	\$ 1.959	\$ 2.050	\$ 2.110	\$ 2.198	5/18/2020	
						\$ 1.634	\$ 1.794	\$ 1.830	\$ 1.985	\$ 2.064	\$ 2.122	\$ 2.206		
						\$ 1.794	\$ 1.722	\$ 1.669	\$ 1.760	\$ 1.814	\$ 1.917		6/15/2020	
						\$ 1.794	\$ 1.722	\$ 1.638	\$ 1.727	\$ 1.784	\$ 1.900		6/17/2020	
						\$ 1.794	\$ 1.722	\$ 1.669	\$ 1.748	\$ 1.799	\$ 1.904		6/19/2020	
						\$ 1.794	\$ 1.722	\$ 1.495	\$ 1.743	\$ 1.788	\$ 1.891		7/14/2020	
						\$ 1.794	\$ 1.722	\$ 1.495	\$ 1.642	\$ 1.684	\$ 1.808		7/20/2020	
						\$ 1.794	\$ 1.722	\$ 1.495	\$ 1.854	\$ 2.339	\$ 2.476		8/17/2020	
						\$ 1.794	\$ 1.722	\$ 1.495	\$ 1.854	\$ 2.352	\$ 2.503		8/20/2020	
	\$ 4.663	\$ 4.749	\$ 4.798	\$ 4.683	\$ 4.321	\$ 3.553	\$ 3.442	\$ 3.467	\$ 3.499	\$ 3.506	\$ 3.492	\$ 3.521	9/1/2021	
	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	9/14/2021	

Northern Utilities
Simplified Market Based Allocator (MBA) Calculations
ALLOCATION OF NORTHERN FIXED CAPACITY COSTS BETWEEN ME & NH DIVISIONS

Total Fixed Capacity Costs To Be Allocated

	NUI Total	
Pipeline Demand	\$ 17,953,274	
Storage Demand	\$ 24,992,506	
On-system Peaking Demand	\$ 3,992,171	
Subtotal Demand	\$ 46,937,950	
Capacity Release (Credit)	\$ -	
Asset Management (Credit)	\$ (9,902,100)	
Total Net Demand Costs	\$ 37,035,850	
Off-System Peaking Demand	\$ 9,621,667	PR Allocation on Page 5
Total Demand Costs	\$ 46,657,516	

Proportional Responsibility (PR) Allocators

Allocation of Product and Pipeline Demand Costs (including Injections) to Months

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Design Year Pipeline Sendout	1,251,924	1,257,820	1,257,819	1,207,638	1,484,768	1,216,238	692,758	427,492	407,061	428,105	513,700	888,799	11,034,123
Rank	4	2	3	6	1	5	8	11	12	10	9	7	
% Max Month	84.32%	84.71%	84.71%	81.34%	100.00%	81.91%	46.66%	28.79%	27.42%	28.83%	34.60%	59.86%	
PR	0.60%	0.00%	0.13%	3.58%	15.29%	0.12%	1.51%	0.13%	2.28%	0.00%	0.64%	1.89%	26.16%
CumPR	10.74%	10.88%	10.88%	10.03%	26.16%	10.14%	4.56%	2.41%	2.28%	2.41%	3.05%	6.45%	100.00%
Product and Pipeline Demand Costs	\$ 1,928,863	\$ 1,952,631	\$ 1,952,625	\$ 1,800,189	\$ 4,696,796	\$ 1,820,988	\$ 819,006	\$ 432,629	\$ 410,169	\$ 433,369	\$ 548,367	\$ 1,157,641	\$ 17,953,274

Allocation of Storage Injection Fees to Months

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Storage Injection Volume	-	-	-	-	-	-	-	-	-	-	-	-	-
Design Year Pipeline Sendout	1,251,924	1,257,820	1,257,819	1,207,638	1,484,768	1,216,238	692,758	427,492	407,061	428,105	513,700	888,799	11,034,123
% of Deliveries Injected	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Injection Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Allocation of Storage Demand Costs to Months

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Design Year Storage	384,599	949,630	1,116,303	1,034,206	647,868	-	-	-	-	-	-	-	4,132,606
Rank	5	3	1	2	4	6	6	6	6	6	6	6	
% Max Month	34.45%	85.07%	100.00%	92.65%	58.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
PR	6.89%	9.01%	7.35%	3.79%	5.90%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	32.94%
CumPR	6.89%	21.80%	32.94%	25.59%	12.79%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Storage Demand Costs	\$ 1,722,128	\$ 5,447,705	\$ 8,232,513	\$ 6,394,467	\$ 3,195,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,992,506
Plus Injection Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL	\$ 1,722,128	\$ 5,447,705	\$ 8,232,513	\$ 6,394,467	\$ 3,195,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,992,506

Allocation of All Peaking Demand Costs Excluding Off-System Peaking

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Design Year Peaking Volumes	1,795	79,083	112,600	79,389	13,513	1,794	1,860	1,800	1,860	1,860	1,800	1,860	299,213
Rank	11	3	1	2	4	12	8	10	7	6	9	5	
% Max Month	1.59%	70.23%	100.00%	70.51%	12.00%	1.59%	1.65%	1.60%	1.65%	1.65%	1.60%	1.65%	
PR	0.00%	19.41%	29.49%	0.14%	2.59%	0.13%	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	51.77%
CumPR	0.13%	22.14%	51.77%	22.27%	2.73%	0.13%	0.14%	0.13%	0.14%	0.14%	0.13%	0.14%	100.00%
Peaking Demand Costs	\$ 5,304	\$ 883,785	\$ 2,066,699	\$ 889,215	\$ 108,876	\$ 5,300	\$ 5,587	\$ 5,321	\$ 5,587	\$ 5,587	\$ 5,321	\$ 5,587	\$ 3,992,171

Northern Utilities
Simplified Market Based Allocator (MBA) Calculations
ALLOCATION OF NORTHERN FIXED CAPACITY COSTS BETWEEN ME & NH DIVISIONS

1		
2		
3	Pipeline Demand	NUI-FXW-5, PG 1, LN 1
4	Storage Demand	NUI-FXW-5, PG 1, LN 2 + 3
5	<u>On-system Peaking Demand</u>	NUI-FXW-5, PG 1, LN 4 + 5
6	Subtotal Demand	Sum LN 3 : LN 5
7		
8	Capacity Release (Credit)	NUI-FXW-5, PG 6
9	<u>Asset Management (Credit)</u>	NUI-FXW-5, PG 6
10	Total Net Demand Costs	Sum LN 6 : LN 9
11		
12	Off-System Peaking Demand	NUI-FXW-5, PG 5
13		
14	Total Demand Costs	LN 10 + LN 12

Proportional Responsibility (PR) Allocators

Allocation of Product and Pipeline Demand Costs (including Injections) to Months

19	Design Year Pipeline Sendout	Company Analysis
20	Rank	LN 20 Ranking
21	% Max Month	LN 20 / LN 20 MAX
22	PR	The difference between LN 22 for the month and LN 22 for next highest rank
23	CumPR	Cumulative Values, LN 23
24	Product and Pipeline Demand Costs	LN 24 * LN 3

Allocation of Storage Injection Fees to Months

28	Storage Injection Volume	Company Analysis
29	Design Year Pipeline Sendout	LN 20
30	% of Deliveries Injected	LN 29 / Sum (LN 29 : LN 30)
31	Injection Fees	LN 31 * LN 25

Allocation of Storage Demand Costs to Months

35	Design Year Storage	Company Analysis
36	Rank	LN 36 Ranking
37	% Max Month	LN 36 / LN 36 MAX
38	PR	The difference between LN 38 for the month and LN 38 for next highest rank
39	CumPR	Cumulative Values, LN 39
40	Storage Demand Costs	LN 40 * LN 4
41	Plus Injection Fees	LN 32
42	TOTAL	LN 41 + LN 42

Allocation of All Peaking Demand Costs Excluding Off-System Peaking

46	Design Year Peaking Volumes	Company Analysis
47	Rank	LN 47 Ranking
48	% Max Month	LN 47 / LN 47 MAX
49	PR	The difference between LN 49 for the month and LN 49 for next highest rank
50	CumPR	Cumulative Values, LN 50
51	Peaking Demand Costs	LN 51 * LN 5

Northern Utilities

Simplified Market Based Allocator (MBA) Calculations

ALLOCATION OF NORTHERN FIXED CAPACITY COSTS BETWEEN ME & NH DIVISIONS

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual
Pipeline & Product Demand	\$ 1,928,863	\$ 1,952,631	\$ 1,952,625	\$ 1,800,189	\$ 4,696,796	\$ 1,820,988	\$ 819,006	\$ 432,629	\$ 410,169	\$ 433,369	\$ 548,367	\$ 1,157,641	\$ 17,953,274
Storage Incl Inj Fees	\$ 1,722,128	\$ 5,447,705	\$ 8,232,513	\$ 6,394,467	\$ 3,195,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,992,506
On-system Peaking	\$ 5,304	\$ 883,785	\$ 2,066,699	\$ 889,215	\$ 108,876	\$ 5,300	\$ 5,587	\$ 5,321	\$ 5,587	\$ 5,587	\$ 5,321	\$ 5,587	\$ 3,992,171
Less Injection Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less: Capacity Release	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Less: Asset Mgmt	\$ (1,650,350)	\$ (1,650,350)	\$ (1,650,350)	\$ (1,650,350)	\$ (1,650,350)	\$ (1,650,350)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (9,902,100)
Total Demand	\$ 2,005,945	\$ 6,633,771	\$ 10,601,487	\$ 7,433,521	\$ 6,351,014	\$ 175,938	\$ 824,593	\$ 437,950	\$ 415,757	\$ 438,956	\$ 553,689	\$ 1,163,229	\$ 37,035,850

Capacity Cost Allocator based on Design Year Firm Sendout

	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Annual
Therms													
Maine	953,078	1,363,286	1,655,363	1,470,818	1,299,001	742,868	427,912	252,221	240,495	254,997	306,067	513,458	9,479,564
New Hampshire	685,239	1,007,317	1,192,761	1,033,962	885,575	475,164	266,707	177,072	168,426	174,968	209,433	377,201	6,653,824
Total	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	16,133,388

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual
Percentage of Total													
Maine	58.17%	57.51%	58.12%	58.72%	59.46%	60.99%	61.60%	58.75%	58.81%	59.31%	59.37%	57.65%	58.49%
New Hampshire	41.83%	42.49%	41.88%	41.28%	40.54%	39.01%	38.40%	41.25%	41.19%	40.69%	40.63%	42.35%	41.51%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Allocation of Demand Costs by Division

Maine	\$1,166,942	\$3,814,947	\$6,161,708	\$4,364,996	\$3,776,464	\$107,303	\$507,981	\$257,307	\$244,515	\$260,330	\$328,741	\$670,593	\$21,661,828
New Hampshire	\$839,002	\$2,818,823	\$4,439,780	\$3,068,525	\$2,574,550	\$68,635	\$316,612	\$180,643	\$171,242	\$178,627	\$224,948	\$492,636	\$15,374,022
Total	\$ 2,005,945	\$ 6,633,771	\$ 10,601,487	\$ 7,433,521	\$ 6,351,014	\$ 175,938	\$ 824,593	\$ 437,950	\$ 415,757	\$ 438,956	\$ 553,689	\$ 1,163,229	\$ 37,035,850

Detailed Allocation of Demand Costs by Division

Maine	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	
Pipeline & Product Demand	\$ 1,122,101	\$ 1,122,918	\$ 1,134,888	\$ 1,057,079	\$ 2,792,827	\$ 1,110,606	\$ 504,539	\$ 254,181	\$ 241,229	\$ 257,016	\$ 325,582	\$ 667,372	\$ 10,590,338	58.99%
Storage Incl Injection Fees	\$ 1,001,834	\$ 3,132,865	\$ 4,784,832	\$ 3,754,859	\$ 1,900,235	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,574,625	58.32%
On-system Peaking	\$ 3,085	\$ 508,247	\$ 1,201,190	\$ 522,151	\$ 64,740	\$ 3,233	\$ 3,442	\$ 3,126	\$ 3,286	\$ 3,314	\$ 3,159	\$ 3,221	\$ 2,322,194	58.17%
Less: Injection Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
Capacity Release (Credit)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
Asset Management (Credit)	\$ (960,078)	\$ (949,083)	\$ (959,203)	\$ (969,093)	\$ (981,337)	\$ (1,006,536)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (5,825,329)	58.83%
Total Allocated Demand	\$ 1,166,942	\$ 3,814,947	\$ 6,161,708	\$ 4,364,996	\$ 3,776,464	\$ 107,303	\$ 507,981	\$ 257,307	\$ 244,515	\$ 260,330	\$ 328,741	\$ 670,593	\$ 21,661,828	58.49%

New Hampshire	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	
Pipeline & Product Demand	\$ 806,762	\$ 829,712	\$ 817,737	\$ 743,110	\$ 1,903,969	\$ 710,382	\$ 314,467	\$ 178,448	\$ 168,940	\$ 176,353	\$ 222,786	\$ 490,270	\$ 7,362,936	41.01%
Storage Incl Injection Fees	\$ 720,294	\$ 2,314,840	\$ 3,447,681	\$ 2,639,608	\$ 1,295,457	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,417,880	41.68%
On-system Peaking	\$ 2,218	\$ 375,538	\$ 865,510	\$ 367,064	\$ 44,136	\$ 2,068	\$ 2,145	\$ 2,195	\$ 2,301	\$ 2,274	\$ 2,162	\$ 2,366	\$ 1,669,977	41.83%
Less: Injection Fees	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
Capacity Release	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0.00%
Asset Management	\$ (690,272)	\$ (701,267)	\$ (691,147)	\$ (681,257)	\$ (669,013)	\$ (643,814)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,076,771)	41.17%
Total Allocated Demand	\$ 839,002	\$ 2,818,823	\$ 4,439,780	\$ 3,068,525	\$ 2,574,550	\$ 68,635	\$ 316,612	\$ 180,643	\$ 171,242	\$ 178,627	\$ 224,948	\$ 492,636	\$ 15,374,022	41.51%

Northern Utilities
Simplified Market Based Allocator (MBA) Calculations
ALLOCATION OF NORTHERN FIXED CAPACITY COSTS BETWEEN ME & NH DIVISIONS

53		
54	Pipeline & Product Demand	LN 25
55	Storage	LN 43
56	Peaking	LN 52
57	Less: Injection Fees	-(LN 32)
58	Less: Capacity Release	-(LN 8 / 5)
59	Less: Asset Management	-(LN 9 / 6)
60	Total Demand	Sum (LN 54 : LN 59)
61		
62	Capacity Cost Allocator based on Design Year Firm Sendout	
63		
64	Terms	
65	Maine	Company Analysis
66	New Hampshire	Company Analysis
67	Total	LN 65 + LN 66
68		
69	Percentage of Total	
70	Maine	LN 65 / LN 67
71	New Hampshire	LN 66 / LN 67
72	Total	LN 70 + LN 71
73		
74	Allocation of Demand Costs by Division	
75	Maine	LN 60 * LN 70
76	New Hampshire	LN 60 * LN 71
77	Total	LN 75 + LN 76
78		
79	Detailed Allocation of Demand Costs by Division	
80	Maine	
81	Pipeline & Product Demand	LN 54 * LN 70
82	Storage	LN 55 * LN 70
83	Peaking	LN 56 * LN 70
84	Injection Fees	LN 57 * LN 70
85	Capacity Release (Credit)	LN 58 * LN 70
86	Asset Management (Credit)	LN 59 * LN 70
87	Total Allocated Demand	Sum (LN 81 : LN 86)
88		
89	New Hampshire	
90	Pipeline & Product Demand	LN 54 * LN 71
91	Storage	LN 55 * LN 71
92	Peaking	LN 56 * LN 71
93	Injection Fees	LN 57 * LN 71
94	Capacity Release	LN 58 * LN 71
95	Asset Management (Credit)	LN 59 * LN 71
96	Total Allocated Demand	Sum (LN 90 : LN 95)

Northern Utilities

Simplified Market Based Allocator (MBA) Calculations

ALLOCATION OF NORTHERN FIXED CAPACITY COSTS BETWEEN ME & NH DIVISIONS

97 **Off-System Peaking Demand Costs** \$ 9,621,667

98

99 **Allocation of Off-system Peaking Demand Costs to Months**

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Design Year Peaking Volumes	-	84,071	361,402	183,548	38,427	-	-	-	-	-	-	-	667,448
Rank	5	3	1	2	4	5	5	5	5	5	5	5	
% Max Month	0.00%	23.26%	100.00%	50.79%	10.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
PR	0.00%	4.21%	49.21%	13.76%	2.66%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	69.84%
CumPR	0.00%	6.87%	69.84%	20.63%	2.66%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Peaking Demand Costs	\$ -	\$ 660,823	\$ 6,720,056	\$ 1,985,025	\$ 255,763	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,621,667

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108 **Capacity Cost Allocator based on Design Year Sales**

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual
Therms													
Maine	769,970	1,118,218	1,373,487	1,222,295	1,075,734	602,565	335,601	186,167	184,179	197,150	232,899	397,265	7,695,530
New Hampshire	473,924	746,005	884,060	759,575	635,070	312,572	164,969	91,875	82,497	87,972	108,619	227,211	4,574,349
Total	1,243,894	1,864,223	2,257,548	1,981,870	1,710,804	915,137	500,570	278,043	266,676	285,122	341,518	624,476	12,269,879

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	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Annual
Percentage of Total													
Maine	61.90%	59.98%	60.84%	61.67%	62.88%	65.84%	67.04%	66.96%	69.06%	69.15%	68.20%	63.62%	61.01%
New Hampshire	38.10%	40.02%	39.16%	38.33%	37.12%	34.16%	32.96%	33.04%	30.94%	30.85%	31.80%	36.38%	38.99%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

119

120 **Allocation of Off-System Peaking Demand Costs by Division**

Maine	\$0	\$396,382	\$4,088,469	\$1,224,241	\$160,821	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,869,912
New Hampshire	\$0	\$264,441	\$2,631,588	\$760,784	\$94,942	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,751,755
Total	\$ -	\$ 660,823	\$ 6,720,056	\$ 1,985,025	\$ 255,763	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,621,667

123

Total Weighted Average MPR Factor

Maine	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	
Total Pipeline, Storage & On-system	\$ 1,166,942	\$ 3,814,947	\$ 6,161,708	\$ 4,364,996	\$ 3,776,464	\$ 107,303	\$ 507,981	\$ 257,307	\$ 244,515	\$ 260,330	\$ 328,741	\$ 670,593	\$ 21,661,828	58.49%
Total Off-system Peaking	\$0	\$396,382	\$4,088,469	\$1,224,241	\$160,821	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ 5,869,912	61.01%
Total Demand Cost Allocation	\$ 1,166,942	\$ 4,211,329	\$ 10,250,176	\$ 5,589,237	\$ 3,937,285	\$ 107,303	\$ 507,981	\$ 257,307	\$ 244,515	\$ 260,330	\$ 328,741	\$ 670,593	\$ 27,531,741	59.01%
New Hampshire	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	
Total Pipeline, Storage & On-system	\$ 839,002	\$ 2,818,823	\$ 4,439,780	\$ 3,068,525	\$ 2,574,550	\$ 68,635	\$ 316,612	\$ 180,643	\$ 171,242	\$ 178,627	\$ 224,948	\$ 492,636	\$ 15,374,022	41.51%
Total Off-system Peaking	\$0	\$264,441	\$2,631,588	\$760,784	\$94,942	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ 3,751,755	38.99%
Total Demand Cost Allocation	\$ 839,002	\$ 3,083,265	\$ 7,071,367	\$ 3,829,309	\$ 2,669,492	\$ 68,635	\$ 316,612	\$ 180,643	\$ 171,242	\$ 178,627	\$ 224,948	\$ 492,636	\$ 19,125,776	40.99%
Total Northern	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	
Total Pipeline, Storage & On-system	\$ 2,005,945	\$ 6,633,771	\$ 10,601,487	\$ 7,433,521	\$ 6,351,014	\$ 175,938	\$ 824,593	\$ 437,950	\$ 415,757	\$ 438,956	\$ 553,689	\$1,163,229	\$ 37,035,850	
Total Off-system Peaking	\$ -	\$ 660,823	\$ 6,720,056	\$ 1,985,025	\$ 255,763	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,621,667	
Total Demand Cost Allocation	\$ 2,005,945	\$ 7,294,594	\$ 17,321,544	\$ 9,418,546	\$ 6,606,777	\$ 175,938	\$ 824,593	\$ 437,950	\$ 415,757	\$ 438,956	\$ 553,689	\$1,163,229	\$ 46,657,517	

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97	Off-System Peaking Demand Costs	LN 12

98

99 **Allocation of Off-system Peaking Demand Costs to Months**

100		
101	Design Year Peaking Volumes	Company Analysis
102	Rank	LN 101 Ranking
103	% Max Month	LN 101 / LN 101 MAX
104	PR	The difference between LN 103 for the month and LN 103 for next highest rank
105	CumPR	Cumulative Values, LN 104
106	Peaking Demand Costs	LN 105 * LN 97

107

108 **Capacity Cost Allocator based on Design Year Sales**

109		
110	Therms	
111	Maine	Company Analysis
112	New Hampshire	Company Analysis
113	Total	LN 111 + LN 112

114

115	Percentage of Total	
116	Maine	LN 111 / LN 113
117	New Hampshire	LN 112 / LN 113
118	Total	LN 116 + LN 117

119

120 **Allocation of Off-System Peaking Demand Costs by Division**

121	Maine	LN 106 * LN 116
122	New Hampshire	LN 106 * LN 117
123	Total	LN 121 + LN 122

Total Weighted Average MPR Factor

124	Maine	
125	Total Pipeline, Storage & On-system	LN 87
126	Total Off-system Peaking	LN 121
127	Total Demand Cost Allocation	LN 125 + LN 126

128

129	New Hampshire	
130	Total Pipeline, Storage & On-system	LN 96
131	Total Off-system Peaking	LN 122
132	Total Demand Cost Allocation	LN 130 + Ln 131

133

134	Total Northern	
135	Total Pipeline, Storage & On-system	LN 125 + LN 130
136	Total Off-system Peaking	LN 126 + LN 131
137	Total Demand Cost Allocation	LN 127 + LN 132

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
DEMAND COSTS

NH Division Total Annual Demand Cost Allocation		
1	Resource	Costs
2	Pipeline & Product Demand	\$ 7,362,936
3	Storage	\$ 10,417,880
4	On-system Peaking	\$ 1,669,977
5	Total Gross Demand Cost	\$ 19,450,793
6		
7	Capacity Assignment Demand Revenue Estimate	\$ 5,012,735
8	NH Total Pipeline, Storage & Peaking Demand Cost	\$ 19,450,793
9	Capacity Assignment as % of Total Gross Demand Cost	25.77%
10		
11		Costs
12	Pipeline & Product Demand	\$ 1,897,529
13	Storage	\$ 2,684,830
14	On-system Peaking	\$ 430,376
15	Total Capacity Assignment Credit	\$ 5,012,735
16		
17	NH Net Annual Demand Cost (Less Capacity Assignment)	
18		Costs
19	Pipeline & Product Demand	\$ 5,465,407
20	Storage	\$ 7,733,050
21	On-system Peaking	\$ 1,239,601
22	Total Net Demand Cost (Less Capacity Assignment)	\$ 14,438,058
23		
24	DEVELOPMENT OF BASE AND REMAINING PIPELINE DEMAND COSTS	
25		MMBtu/day
26	Pipeline MDQ	16,645
27	Less 25.77% NH Transp. Capacity Assignment	(4,290)
28	Net Pipeline MDQ	12,355
29		
30	Net Pipeline MDQ	12,355
31	Less: Firm Sales Base Use	3,536
32	Remaining Pipeline MDQ	8,820
33		
34		Unit Cost
35	Pipeline Unit Cost	\$442.35
36		
37		Costs
38	Pipeline & Product Demand	\$ 5,465,407
39	Less: Base Pipeline Use	\$ 1,563,940
40	Remaining Pipeline Use	\$ 3,901,466

1	Resource	
2	Pipeline & Product Demand	Attachment NUI-CAK-1, LN 90 + Attachment NUI-CAK-1, LN 93
3	Storage	Attachment NUI-CAK-1, LN 91
4	On-system Peaking	Attachment NUI-CAK-1, LN 92
5	Total Gross Demand Cost	Sum (LN 2 : LN 4)
6		
7	Capacity Assignment Demand Revenue Estimate	Attachment NUI-FXW-6, Page 1
8	NH Total Pipeline, Storage & Peaking Demand Cost	LN 5
9	Capacity Assignment as % of Total Gross Demand Cost	LN 7 / LN 8
10		
11		
12	Pipeline & Product Demand	LN 2 * LN 9
13	Storage	LN 3 * LN 9
14	On-system Peaking	LN 4 * LN 9
15	Total Capacity Assignment Credit	Sum (LN 12 : LN 14)
16		
17	NH Net Annual Demand Cost (Less Capacity Assignment)	
18		
19	Pipeline & Product Demand	LN 2 - LN 12
20	Storage	LN 3 - LN 13
21	On-system Peaking	LN 4 - LN 14
22	Total Net Demand Cost (Less Capacity Assignment)	LN 5 - LN 15
23		
24	DEVELOPMENT OF BASE AND REMAINING PIPELINE DEMAND (	
25		
26	Pipeline MDQ	Company Analysis
27	Less 25.77% NH Transp. Capacity Assignment	-(LN 26) * LN 9
28	Net Pipeline MDQ	Sum (LN 26 : LN 27)
29		
30	Net Pipeline MDQ	LN 28
31	Less: Firm Sales Base Use	Attachment NUI-CAK-3, LN 48 / 10
32	Remaining Pipeline MDQ	LN 30 - LN 31
33		
34		
35	Pipeline Unit Cost	LN 19 / LN 30
36		
37		
38	Pipeline & Product Demand	LN 19
39	Less: Base Pipeline Use	LN 35 * LN 31
40	Remaining Pipeline Use	LN 38 - LN 39

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
DEMAND COSTS

41 **NH DIVISION MONTHLY PROPORTIONAL RESPONSIBILITY (PR ALLOCATORS)**
42 (Based on NH Firm Sales Sendout for Remaining Temperature Sensitive Load)
43

44 All Months	Nov	Dec	Jan	Feb	Mar	Apr
45 Remaining Load for All Months	3,712,185	5,709,500	6,884,032	5,870,407	4,771,592	2,439,637
46 Rank	5	3	1	2	4	6
47 % Max Month	53.92%	82.94%	100.00%	85.28%	69.31%	35.44%
48 PR	3.70%	4.54%	14.72%	1.17%	3.85%	2.75%
49 CumPR	8.87%	17.25%	33.15%	18.42%	12.71%	5.17%

51 Peak Months Only	Nov	Dec	Jan	Feb	Mar	Apr
52 Remaining Load for Peak Months Only	3,712,185	5,709,500	6,884,032	5,870,407	4,771,592	2,439,637
53 Rank	5	3	1	2	4	6
54 % Max Month	53.92%	82.94%	100.00%	85.28%	69.31%	35.44%
55 PR	3.70%	4.54%	14.72%	1.17%	3.85%	5.91%
56 CumPR	9.60%	17.99%	33.89%	19.16%	13.45%	5.91%

57 **DEMAND COST PR ALLOCATORS**

59	Nov	Dec	Jan	Feb	Mar	Apr
60 Pipeline - Base	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%
61 Pipeline - Remaining	8.87%	17.25%	33.15%	18.42%	12.71%	5.17%
62 Storage & Peaking	8.87%	17.25%	33.15%	18.42%	12.71%	5.17%
63 Capacity Release	9.60%	17.99%	33.89%	19.16%	13.45%	5.91%
64 Off-system Peaking	9.29%	17.64%	34.66%	18.93%	13.70%	5.79%
65 Interr. Margins & Off Sys Sales	9.60%	17.99%	33.89%	19.16%	13.45%	5.91%

66 **DEMAND COSTS ALLOCATED TO MONTHS**

68	Nov	Dec	Jan	Feb	Mar	Apr
69 Pipeline - Base	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328
70 Pipeline - Remaining	\$ 345,883	\$ 673,169	\$ 1,293,229	\$ 718,765	\$ 495,985	\$ 201,641
71 Total Pipeline	\$ 476,211	\$ 803,497	\$ 1,423,557	\$ 849,094	\$ 626,313	\$ 331,970
72						
73 Storage & On-system Peaking	\$ 795,466	\$ 1,548,164	\$ 2,974,187	\$ 1,653,027	\$ 1,140,674	\$ 463,738
74 Off-system Peaking	\$348,528	\$661,712	\$1,300,321	\$710,247	\$513,808	\$217,139
75 Outage Replacement	\$ 3,933	\$ 7,655	\$ 14,707	\$ 8,174	\$ 5,640	\$ 2,293
76 Less Credits to Demand Cost						
77 Cap Rel Margins & Asset Mgt Credits	\$ 391,517	\$ 733,509	\$ 1,381,430	\$ 781,155	\$ 548,364	\$ 240,795
78 Interruptible Margins	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
79 Conversion Rate and Re-entry Rate Credits	\$ 480	\$ 900	\$ 1,694	\$ 958	\$ 673	\$ 295
80 Total Direct Demand Costs	\$ 1,232,141	\$ 2,286,619	\$ 4,329,647	\$ 2,438,429	\$ 1,737,398	\$ 774,050

81 Indirect Demand Costs/(Credits)

82 Miscellaneous Overhead

83 Local Production & Storage

84 Subtotal

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
DEMAND COSTS

41 **NH DIVISION MONTHLY PROPORTIONAL RESPONSIBILITY (PR /ALLOCATORS)**

42 (Based on NH Firm Sales Sendout for Remaining Temperature Sensit ive Load)

43	44	May	Jun	Jul	Aug	Sep	Oct	Annual	Winter	Summer
45	All Months									
46	Remaining Load for All Months	835,747	214,153	0	8,214	162,755	1,303,416	31,911,637	29,387,353	2,524,285
47	Rank	8	9	12	11	10	7			
48	% Max Month	12.14%	3.11%	0.00%	0.12%	2.36%	18.93%			
49	PR	1.13%	0.08%	0.00%	0.01%	0.22%	0.97%	33.15%		
50	CumPR	1.45%	0.32%	0.00%	0.01%	0.24%	2.42%	100.00%	95.57%	4.43%

51	52	Annual	Winter	Summer
53	Peak Months Only			
54	Remaining Load for Peak Months Only	29,387,353	29,387,353	
55	Rank			
56	% Max Month			
57	PR	33.89%		
58	CumPR	100.00%	100.00%	0.00%

58 **DEMAND COST PR ALLOCATORS**

59	May	Jun	Jul	Aug	Sep	Oct	Annual	Winter	Summer
60	Pipeline - Base	8.33%	8.33%	8.33%	8.33%	8.33%	100.00%	50.00%	50.00%
61	Pipeline - Remaining	1.45%	0.32%	0.00%	0.01%	0.24%	100.00%	95.57%	4.43%
62	Storage & Peaking	1.45%	0.32%	0.00%	0.01%	0.24%	100.00%	95.57%	4.43%
63	Capacity Release	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%
64	Off-system Peaking	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%
65	Interr. Margins & Off Sys Sales	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%

67 **DEMAND COSTS ALLOCATED TO MONTHS**

68	May	Jun	Jul	Aug	Sep	Oct	Annual	Winter	Summer	Winter	Summer
69	Pipeline - Base	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 1,563,940	\$ 781,970	\$ 781,970	50.00%	50.00%
70	Pipeline - Remaining	\$ 56,454	\$ 12,418	\$ -	\$ 423	\$ 9,182	\$ 3,901,466	\$ 3,728,672	\$ 172,794	95.57%	4.43%
71	Total Pipeline	\$ 186,782	\$ 142,747	\$ 130,328	\$ 130,752	\$ 139,510	\$ 5,465,407	\$ 4,510,642	\$ 954,764	82.53%	17.47%
72	Storage & On-system Peaking	\$ 129,833	\$ 28,560	\$ -	\$ 973	\$ 21,116	\$ 8,972,651	\$ 8,575,256	\$ 397,395	95.57%	4.43%
73	Off-system Peaking	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,751,755	\$ 3,751,755	\$ -	100.00%	0.00%
74	Outage Replacement	\$ 642	\$ 141	\$ -	\$ 5	\$ 104	\$ 44,367	\$ 42,402	\$ 1,965		
75	Less Credits to Demand Cost										
76	Cap Rel Margins & Asset Mgt Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,076,771	\$ 4,076,771	\$ -	100.00%	0.00%
77	Interruptible Margins	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
78	Conversion Rate and Re-entry Rate Credits	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -		
79	Total Direct Demand Costs	\$ 317,257	\$ 171,448	\$ 130,328	\$ 131,730	\$ 160,731	\$ 14,152,409	\$ 12,798,284	\$ 1,354,125	90.43%	9.57%

81	Indirect Demand Costs/(Credits)										
82	Miscellaneous Overhead						\$ 580,455	\$ 463,606	\$ 116,849	79.87%	20.13%
83	Local Production & Storage						\$ 476,106	\$ 476,106	\$ -	100.00%	0.00%
84	Subtotal						\$ 1,056,561	\$ 939,712	\$ 116,849	88.94%	11.06%

Northern Utilities - NEW HAMPSHIRE DIVISION
Simplified Market Based Allocator (SMBA) Calculations
DEMAND COSTS

41 **NH DIVISION MONTHLY PROPORTIONAL RESPONSIBILITY (PR /ALLOCATORS)**

42 (Based on NH Firm Sales Sendout for Remaining Temperature Sensit ive Load)

43		
44	All Months	
45	Remaining Load for All Months	Attachment NUI-CAK-3, LN 80
46	Rank	Rank LN 45
47	% Max Month	LN 45 / MAX Month LN 45
48	PR	The difference between LN 47 for the month and LN 47 for next highest rank
49	CumPR	Cumulative Values, LN 48

50		
51	Peak Months Only	
52	Remaining Load for Peak Months Only	LN 45
53	Rank	Rank LN 52
54	% Max Month	LN 52 / MAX Month LN 52
55	PR	The difference between LN 54 for the month and LN 54 for next highest rank
56	CumPR	Cumulative Values, LN 55

57		
58	DEMAND COST PR ALLOCATORS	
59		
60	Pipeline - Base	1/12
61	Pipeline - Remaining	LN 49
62	Storage & Peaking	LN 49
63	Capacity Release	LN 56
64	Off-system Peaking	LN 56
65	Interr. Margins & Off Sys Sales	LN 56

66		
67	DEMAND COSTS ALLOCATED TO MONTHS	
68		
69	Pipeline - Base	LN 39 * LN 60
70	Pipeline - Remaining	LN 40 * LN 61
71	Total Pipeline	LN 69 + LN 70
72		
73	Storage & On-system Peaking	LN 62 * (Sum LN 20 : LN 21)
74	Off-system Peaking	Attachment NUI-CAK-1, LN 122,* LN 64
75	Outage Replacement	Attachment NUI-CAK-2A
76	Less Credits to Demand Cost	
77	Cap Rel Margins & Asset Mgt Credits	Attachment NUI-CAK-1, LN 95 * LN 63
78	Interruptible Margins	
79	Conversion Rate and Re-entry Rate Credits	Company Analysis
80	Total Direct Demand Costs	LN 71 + LN 73 + LN 74 - (Sum LN 76 : LN 79)

81		
82	Indirect Demand Costs/(Credits)	
83	Miscellaneous Overhead	Company Analysis
84	Local Production & Storage	Company Analysis
85	Subtotal	LN 83 + LN 84

**Northern Utilities - NEW HAMPSHIRE DIVISION
2021 - 2022 Period**

Forecasted Normal Sales By Class- Therms																	
Line No.	Calendar Month Firm Sales Volumes																
	Normal Winter	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer	
1	Res Heat	2,214,836	3,176,763	3,717,973	3,190,785	2,720,227	1,601,139	774,136	505,683	427,329	433,379	480,902	970,020	20,213,169	16,621,722	3,591,447	
2	Res General	20,357	29,198	34,173	29,327	25,002	14,716	17,608	11,502	9,720	9,858	10,939	22,064	234,465	152,774	81,691	
3	Total Residential	2,235,193	3,205,961	3,752,145	3,220,112	2,745,230	1,615,855	791,744	517,185	437,049	443,237	491,840	992,084	20,447,634	16,774,496	3,673,138	
4	G50 Low Annual-Low Winter	118,323	169,711	198,624	170,460	145,322	85,537	146,159	95,474	80,681	81,823	90,796	183,143	1,566,054	887,978	678,076	
5	G40 Low Annual-High Winter	1,128,570	1,618,720	1,894,493	1,625,865	1,386,092	815,860	293,304	191,593	161,906	164,199	182,204	367,521	9,830,327	8,469,600	1,360,727	
6	G51 Med Annual-Low Winter	196,136	281,320	329,247	282,562	240,891	141,790	219,962	143,684	121,421	123,140	136,643	275,620	2,492,415	1,471,945	1,020,469	
7	G41 Med Annual-High Winter	828,952	1,188,975	1,391,535	1,194,223	1,018,107	599,262	310,158	202,602	171,210	173,634	192,674	388,639	7,659,971	6,221,055	1,438,916	
8	G52 High Annual-Low Winter	53,899	52,129	58,595	56,625	58,318	53,429	52,740	45,879	48,194	49,987	48,339	53,274	631,408	332,996	298,412	
9	G42 High Annual-High Winter	152,111	203,629	255,657	224,755	200,301	144,806	93,544	60,828	53,739	54,403	65,622	109,154	1,618,550	1,181,259	437,291	
10	Total C&I	2,477,990	3,514,485	4,128,152	3,554,490	3,049,031	1,840,685	1,115,867	740,061	637,150	647,185	716,278	1,377,351	23,798,725	18,564,833	5,233,892	
11	Total Sales	4,713,183	6,720,446	7,880,297	6,774,602	5,794,261	3,456,540	1,907,611	1,257,246	1,074,199	1,090,422	1,208,118	2,369,434	44,246,359	35,339,329	8,907,030	
12																	
13	Residential Heat & Non Heat	2,235,193	3,205,961	3,752,145	3,220,112	2,745,230	1,615,855	791,744	517,185	437,049	443,237	491,840	992,084	20,447,634	16,774,496	3,673,138	
14	SALES HLF CLASSES	368,357	503,160	586,466	509,647	444,531	280,756	418,861	285,038	250,296	254,950	275,778	512,036	4,689,876	2,692,919	1,996,958	
15	SALES LLF CLASSES	2,109,633	3,011,324	3,541,686	3,044,843	2,604,500	1,559,929	697,006	455,024	386,854	392,235	440,500	865,314	19,108,849	15,871,915	3,236,934	
16	Total Firm Sales	4,713,183	6,720,446	7,880,297	6,774,602	5,794,261	3,456,540	1,907,611	1,257,246	1,074,199	1,090,422	1,208,118	2,369,434	44,246,359	35,339,329	8,907,030	
17																	
18	ESTIMATED SENDOUT BY CLASS - Therms																
19	Calendar Month Sendout Volumes (Includes Loss & Unaccounted For)																
20	Normal Winter	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER	
21	Res Heat	2,242,870	3,216,973	3,765,033	3,231,172	2,754,659	1,621,405	783,934	512,083	432,738	438,865	486,989	982,298	20,469,017	16,832,111	3,636,906	
22	Res General	20,615	29,568	34,605	29,699	25,319	14,903	17,831	11,648	9,843	9,982	11,077	22,343	237,433	154,708	82,725	
23	G50 Low Annual-Low Winter	119,820	171,859	201,138	172,618	147,161	86,620	148,009	96,683	81,702	82,859	91,945	185,461	1,585,876	899,217	686,659	
24	G40 Low Annual-High Winter	1,142,855	1,639,209	1,918,473	1,646,444	1,403,637	826,187	297,017	194,018	163,956	166,277	184,510	372,173	9,954,754	8,576,804	1,377,950	
25	G51 Med Annual-Low Winter	198,619	284,881	333,414	286,138	243,940	143,584	222,746	145,503	122,958	124,699	138,372	279,109	2,523,962	1,490,576	1,033,386	
26	G41 Med Annual-High Winter	839,445	1,204,025	1,409,149	1,209,339	1,030,993	606,847	314,084	205,167	173,377	175,832	195,112	393,558	7,756,927	6,299,798	1,457,129	
27	G52 High Annual-Low Winter	54,581	52,789	59,336	57,342	59,056	54,106	53,407	46,460	48,804	50,619	48,951	53,948	639,400	337,210	302,189	
28	G42 High Annual-High Winter	154,036	206,207	258,893	227,600	202,837	146,639	94,728	61,598	54,419	55,092	66,453	110,536	1,639,037	1,196,211	442,826	
29	Subtotal																
30	Residential	2,263,485	3,246,541	3,799,638	3,260,870	2,779,977	1,636,308	801,765	523,731	442,581	448,847	498,066	1,004,641	20,706,450	16,986,819	3,719,631	
31	SALES HLF CLASSES	373,020	509,529	593,889	516,098	450,158	284,310	424,162	288,645	253,464	258,177	279,268	518,517	4,749,238	2,727,004	2,022,234	
32	SALES LLF CLASSES	2,136,335	3,049,440	3,586,515	3,083,383	2,637,466	1,579,674	705,829	460,783	391,751	397,200	446,076	876,267	19,350,718	16,072,813	3,277,905	
33	Total Firm Sales	4,772,840	6,805,510	7,980,042	6,860,351	5,867,601	3,500,291	1,931,757	1,273,159	1,087,795	1,104,224	1,223,410	2,399,425	44,806,406	35,786,636	9,019,770	

Northern Utilities - NEW HAMPSHIRE DIVISION
2021 - 2022 Period

Line No.	Forecasted Normal Sales By Class- Therms	
	Calendar Month Firm Sales Volumes	
	Firm Sales	
1	Res Heat	(Attachment NUI-FXW-2, Page 1) * 10
2	Res General	(Attachment NUI-FXW-2, Page 1) * 10
3	Total Residential	Sum LN 1 : LN 2
4	G50 Low Annual-Low Winter	(Attachment NUI-FXW-2, Page 1) * 10
5	G40 Low Annual-High Winter	(Attachment NUI-FXW-2, Page 1) * 10
6	G51 Med Annual-Low Winter	(Attachment NUI-FXW-2, Page 1) * 10
7	G41 Med Annual-High Winter	(Attachment NUI-FXW-2, Page 1) * 10
8	G52 High Annual-Low Winter	(Attachment NUI-FXW-2, Page 1) * 10
9	G42 High Annual-High Winter	(Attachment NUI-FXW-2, Page 1) * 10
10	Total C&I	Sum LN 4 : LN 9
11	Total Sales	LN 3 + LN 10
12		
13	Residential Heat & Non Heat	LN 3
14	SALES HLF CLASSES	LN 4 + LN 6 + LN 8
15	SALES LLF CLASSES	LN 5 + LN 7 + LN 9
16	Total Firm Sales	Sum LN 13 : LN 15
17		
18	ESTIMATED SENDOUT BY CLASS - Therms	
19	Calendar Month Sendout Volumes (Includes Loss & Unaccounted For)	Unaccounted For)
20	Normal Winter	
21	Res Heat	LN 1 x Adj factor (Attachment NUI-FXW-2, Page 4)
22	Res General	LN 2 x Adj factor (Attachment NUI-FXW-2, Page 4)
23	G50 Low Annual-Low Winter	LN 4 x Adj factor (Attachment NUI-FXW-2, Page 4)
24	G40 Low Annual-High Winter	LN 5 x Adj factor (Attachment NUI-FXW-2, Page 4)
25	G51 Med Annual-Low Winter	LN 6 x Adj factor (Attachment NUI-FXW-2, Page 4)
26	G41 Med Annual-High Winter	LN 7 x Adj factor (Attachment NUI-FXW-2, Page 4)
27	G52 High Annual-Low Winter	LN 8 x Adj factor (Attachment NUI-FXW-2, Page 4)
28	G42 High Annual-High Winter	LN 9 x Adj factor (Attachment NUI-FXW-2, Page 4)
29	Subtotal	
30	Residential	LN 21 + LN 22
31	SALES HLF CLASSES	LN 23 + LN 25 + LN 27
32	SALES LLF CLASSES	LN 24 + LN 26 + LN 28
33	Total Firm Sales	Sum LN 30 : LN 32

Northern Utilities - NEW HAMPSHIRE DIVISION

Sendout by Class - Allocation between Base & Remaining Sendout

34		
35	DAILY BASE GAS ENTITLEMENT - Therms/day	
36	Res Heat	14,058
37	Res General	320
38	G50 Low Annual-Low Winter	2,654
39	G40 Low Annual-High Winter	5,326
40	G51 Med Annual-Low Winter	3,994
41	G41 Med Annual-High Winter	5,632
42	G52 High Annual-Low Winter	1,604
43	G42 High Annual-High Winter	1,766
44	Subtotal	
45	Residential	14,378
46	SALES HLF CLASSES	8,252
47	SALES LLF CLASSES	12,725
48	Total Firm Sales	35,355

49	BASE SENDOUT BY CLASS - Therms																
50	Days per Month	30	31	31	28	31	30	31	30	31	31	30	31				
51																	
52		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER	
53	Res Heat	421,743	435,801	435,801	393,627	435,801	421,743	435,801	421,743	432,738	435,801	421,743	435,801	5,128,145	2,544,517	2,583,628	
54	Res General	9,593	9,913	9,913	8,953	9,913	9,593	9,913	9,593	9,843	9,913	9,593	9,913	116,644	57,877	58,767	
55	G50 Low Annual-Low Winter	79,626	82,281	82,281	74,318	82,281	79,626	82,281	79,626	81,702	82,281	79,626	82,281	968,209	480,412	487,797	
56	G40 Low Annual-High Winter	159,790	165,116	165,116	149,137	165,116	159,790	165,116	159,790	163,956	165,116	159,790	165,116	1,942,950	964,066	978,884	
57	G51 Med Annual-Low Winter	119,834	123,828	123,828	111,845	123,828	119,834	123,828	119,834	122,958	123,828	119,834	123,828	1,457,105	722,996	734,109	
58	G41 Med Annual-High Winter	168,972	174,604	174,604	157,707	174,604	168,972	174,604	168,972	173,377	174,604	168,972	174,604	2,054,595	1,019,463	1,035,133	
59	G52 High Annual-Low Winter	48,108	49,712	49,712	44,901	49,712	48,108	49,712	46,460	48,804	49,712	48,108	49,712	582,759	290,252	292,507	
60	G42 High Annual-High Winter	52,989	54,755	54,755	49,456	54,755	52,989	54,755	52,989	54,419	54,755	52,989	54,755	644,362	319,700	324,662	
61	Subtotal																
62	Residential	431,336	445,714	445,714	402,580	445,714	431,336	445,714	431,336	442,581	445,714	431,336	445,714	5,244,789	2,602,394	2,642,395	
63	SALES HLF CLASSES	247,568	255,820	255,820	231,063	255,820	247,568	255,820	245,920	253,464	255,820	247,568	255,820	3,008,073	1,493,660	1,514,413	
64	SALES LLF CLASSES	381,751	394,476	394,476	356,301	394,476	381,751	394,476	381,751	391,751	394,476	381,751	394,476	4,641,907	2,303,228	2,338,679	
65	Total Firm Sales	1,060,655	1,096,010	1,096,010	989,944	1,096,010	1,060,655	1,096,010	1,059,006	1,087,795	1,096,010	1,060,655	1,096,010	12,894,769	6,399,283	6,495,486	

REMAINING SENDOUT BY CLASS - Therms																		
	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER			
Res Heat	1,821,127	2,781,171	3,329,231	2,837,545	2,318,857	1,199,662	348,133	90,340	-	3,064	65,245	546,496	15,340,872	14,287,594	1,053,279			
Res General	11,022	19,655	24,693	20,745	15,406	5,310	7,919	2,055	-	70	1,484	12,431	120,789	96,831	23,958			
G50 Low Annual-Low Winter	40,194	89,579	118,858	98,300	64,881	6,994	65,729	17,056	-	578	12,319	103,180	617,667	418,805	198,862			
G40 Low Annual-High Winter	983,065	1,474,093	1,753,357	1,497,307	1,238,520	666,397	131,900	34,228	-	1,161	24,720	207,056	8,011,804	7,612,738	399,066			
G51 Med Annual-Low Winter	78,785	161,053	209,586	174,293	120,112	23,751	98,918	25,669	-	870	18,539	155,281	1,066,858	767,580	299,277			
G41 Med Annual-High Winter	670,473	1,029,421	1,234,544	1,051,632	856,389	437,876	139,480	36,195	-	1,227	26,141	218,954	5,702,332	5,280,335	421,997			
G52 High Annual-Low Winter	6,473	3,077	9,625	12,441	9,344	5,998	3,695	-	-	908	843	4,236	56,640	46,958	9,682			
G42 High Annual-High Winter	101,047	151,451	204,138	178,143	148,081	93,650	39,973	8,610	-	336	13,464	55,781	994,676	876,512	118,164			
Subtotal																		
Residential	1,832,149	2,800,827	3,353,924	2,858,290	2,334,263	1,204,972	356,051	92,395	-	3,133	66,730	558,927	15,461,661	14,384,425	1,077,236			
SALES HLF CLASSES	125,452	253,709	338,069	285,035	194,337	36,742	168,342	42,726	-	2,356	31,700	262,697	1,741,165	1,233,344	507,822			
SALES LLF CLASSES	1,754,585	2,654,964	3,192,039	2,727,082	2,242,991	1,197,923	311,353	79,032	-	2,725	64,325	481,791	14,708,811	13,769,585	939,227			
Total Firm Sales	3,712,185	5,709,500	6,884,032	5,870,407	4,771,592	2,439,637	835,747	214,153	-	8,214	162,755	1,303,416	31,911,637	29,387,583	2,524,285			

Northern Utilities - NEW HAMPSHIRE DIVISION

Sendout by Class - Allocation between Base & Remaining Sendout

34		
35	DAILY BASE GAS ENTITLEMENT - Therms/day	
36	Res Heat	Avg (LN 21 Jul : LN 21 Aug) / 31 days
37	Res General	Avg (LN 22 Jul : LN 22 Aug) / 31 days
38	G50 Low Annual-Low Winter	Avg (LN 23 Jul : LN 23 Aug) / 31 days
39	G40 Low Annual-High Winter	Avg (LN 24 Jul : LN 24 Aug) / 31 days
40	G51 Med Annual-Low Winter	Avg (LN 25 Jul : LN 25 Aug) / 31 days
41	G41 Med Annual-High Winter	Avg (LN 26 Jul : LN 26 Aug) / 31 days
42	G52 High Annual-Low Winter	Avg (LN 27 Jul : LN 27 Aug) / 31 days
43	G42 High Annual-High Winter	Avg (LN 28 Jul : LN 28 Aug) / 31 days
44	Subtotal	
45	Residential	LN 36 + LN 37
46	SALES HLF CLASSES	LN 38 + LN 40 + LN 42
47	SALES LLF CLASSES	LN 39 + LN 41 + LN 43
48	Total Firm Sales	Sum LN 45 : LN 47
49	BASE SENDOUT BY CLASS - Therms	
50	Days per Month	
51		
52	Res Heat	MIN(LN 36 * LN 50, LN 21)
53	Res General	MIN(LN 37 * LN 50, LN 22)
54	G50 Low Annual-Low Winter	MIN(LN 38 * LN 50, LN 23)
55	G40 Low Annual-High Winter	MIN(LN 39 * LN 50, LN 24)
56	G51 Med Annual-Low Winter	MIN(LN 40 * LN 50, LN 25)
57	G41 Med Annual-High Winter	MIN(LN 41 * LN 50, LN 26)
58	G52 High Annual-Low Winter	MIN(LN 42 * LN 50, LN 27)
59	G42 High Annual-High Winter	MIN(LN 43 * LN 50, LN 28)
60	Subtotal	
61	Residential	LN 52 + LN 53
62	SALES HLF CLASSES	LN 54 + LN 56 + LN 58
63	SALES LLF CLASSES	LN 55 + LN 57 + LN 59
64	Total Firm Sales	Sum LN 61 : LN 63
65		
66	REMAINING SENDOUT BY CLASS - Therms	
67		
68	Res Heat	LN 21 - LN 52
69	Res General	LN 22 - LN 53
70	G50 Low Annual-Low Winter	LN 23 - LN 54
71	G40 Low Annual-High Winter	LN 24 - LN 55
72	G51 Med Annual-Low Winter	LN 25 - LN 56
73	G41 Med Annual-High Winter	LN 26 - LN 57
74	G52 High Annual-Low Winter	LN 27 - LN 58
75	G42 High Annual-High Winter	LN 28 - LN 59
76	Subtotal	
77	Residential	LN 68 + LN 69
78	SALES HLF CLASSES	LN 70 + LN 72 + LN 74
79	SALES LLF CLASSES	LN 71 + LN 73 + LN 75
80	Total Firm Sales	Sum LN 77 : LN 79

Northern Utilities - NEW HAMPSHIRE DIVISION
Allocation of Demand Costs to Customer Classes

Base Capacity Costs

	BASE SENDOUT BY CLASS	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
1	Total Therms															
2	Res Heat	421,743	435,801	435,801	393,627	435,801	421,743	435,801	421,743	432,738	435,801	421,743	435,801	5,128,145	2,544,517	2,583,628
3	Res General	9,593	9,913	9,913	8,953	9,913	9,593	9,913	9,593	9,843	9,913	9,593	9,913	116,644	57,877	58,767
4	G50 Low Annual-Low Winter	79,626	82,281	82,281	74,318	82,281	79,626	82,281	79,626	81,702	82,281	79,626	82,281	968,209	480,412	487,797
5	G40 Low Annual-High Winter	159,790	165,116	165,116	149,137	165,116	159,790	165,116	159,790	163,956	165,116	159,790	165,116	1,942,950	964,066	978,884
6	G51 Med Annual-Low Winter	119,834	123,828	123,828	111,845	123,828	119,834	123,828	119,834	122,958	123,828	119,834	123,828	1,457,105	722,996	734,109
7	G41 Med Annual-High Winter	168,972	174,604	174,604	157,707	174,604	168,972	174,604	168,972	173,377	174,604	168,972	174,604	2,054,595	1,019,463	1,035,133
8	G52 High Annual-Low Winter	48,108	49,712	49,712	44,901	49,712	48,108	49,712	46,460	48,804	49,712	48,108	49,712	582,759	290,252	292,507
9	G42 High Annual-High Winter	52,989	54,755	54,755	49,456	54,755	52,989	54,755	52,989	54,419	54,755	52,989	54,755	644,362	319,700	324,662
10	Total Firm Sales	1,060,655	1,096,010	1,096,010	989,944	1,096,010	1,060,655	1,096,010	1,059,006	1,087,795	1,096,010	1,060,655	1,096,010	12,894,769	6,399,283	6,495,486
11	% of Total															
12	Res Heat	39.76%	39.76%	39.76%	39.76%	39.76%	39.76%	39.76%	39.82%	39.78%	39.76%	39.76%	39.76%			
13	Res General	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.91%	0.90%	0.90%	0.90%	0.90%			
14	G50 Low Annual-Low Winter	7.51%	7.51%	7.51%	7.51%	7.51%	7.51%	7.51%	7.52%	7.51%	7.51%	7.51%	7.51%			
15	G40 Low Annual-High Winter	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.09%	15.07%	15.07%	15.07%	15.07%			
16	G51 Med Annual-Low Winter	11.30%	11.30%	11.30%	11.30%	11.30%	11.30%	11.30%	11.32%	11.30%	11.30%	11.30%	11.30%			
17	G41 Med Annual-High Winter	15.93%	15.93%	15.93%	15.93%	15.93%	15.93%	15.93%	15.96%	15.94%	15.93%	15.93%	15.93%			
18	G52 High Annual-Low Winter	4.54%	4.54%	4.54%	4.54%	4.54%	4.54%	4.54%	4.39%	4.49%	4.54%	4.54%	4.54%			
19	G42 High Annual-High Winter	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%			
20	Total Firm Sales	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%			
21	PIPELINE BASE DEMAND COSTS															
22	TOTAL PIPELINE BASE DEMAND COST	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 130,328	\$ 1,563,940	\$ 781,970	\$ 781,970
23	Res Heat	\$ 51,822	\$ 51,822	\$ 51,822	\$ 51,822	\$ 51,822	\$ 51,822	\$ 51,822	\$ 51,903	\$ 51,846	\$ 51,822	\$ 51,822	\$ 51,822	\$ 621,967	\$ 310,931	\$ 311,036
24	Res General	\$ 1,179	\$ 1,179	\$ 1,179	\$ 1,179	\$ 1,179	\$ 1,179	\$ 1,179	\$ 1,181	\$ 1,179	\$ 1,179	\$ 1,179	\$ 1,179	\$ 14,147	\$ 7,072	\$ 7,075
25	G50 Low Annual-Low Winter	\$ 9,784	\$ 9,784	\$ 9,784	\$ 9,784	\$ 9,784	\$ 9,784	\$ 9,784	\$ 9,799	\$ 9,789	\$ 9,784	\$ 9,784	\$ 9,784	\$ 117,429	\$ 58,705	\$ 58,725
26	G40 Low Annual-High Winter	\$ 19,634	\$ 19,634	\$ 19,634	\$ 19,634	\$ 19,634	\$ 19,634	\$ 19,634	\$ 19,665	\$ 19,643	\$ 19,634	\$ 19,634	\$ 19,634	\$ 235,651	\$ 117,805	\$ 117,845
27	G51 Med Annual-Low Winter	\$ 14,725	\$ 14,725	\$ 14,725	\$ 14,725	\$ 14,725	\$ 14,725	\$ 14,725	\$ 14,748	\$ 14,731	\$ 14,725	\$ 14,725	\$ 14,725	\$ 176,725	\$ 88,348	\$ 88,377
28	G41 Med Annual-High Winter	\$ 20,762	\$ 20,762	\$ 20,762	\$ 20,762	\$ 20,762	\$ 20,762	\$ 20,762	\$ 20,795	\$ 20,772	\$ 20,762	\$ 20,762	\$ 20,762	\$ 249,192	\$ 124,575	\$ 124,617
29	G52 High Annual-Low Winter	\$ 5,911	\$ 5,911	\$ 5,911	\$ 5,911	\$ 5,911	\$ 5,911	\$ 5,911	\$ 5,718	\$ 5,847	\$ 5,911	\$ 5,911	\$ 5,911	\$ 70,678	\$ 35,468	\$ 35,210
30	G42 High Annual-High Winter	\$ 6,511	\$ 6,511	\$ 6,511	\$ 6,511	\$ 6,511	\$ 6,511	\$ 6,511	\$ 6,521	\$ 6,520	\$ 6,511	\$ 6,511	\$ 6,511	\$ 78,151	\$ 39,066	\$ 39,085
31	Residential	\$ 53,001	\$ 53,001	\$ 53,001	\$ 53,001	\$ 53,001	\$ 53,001	\$ 53,001	\$ 53,083	\$ 53,025	\$ 53,001	\$ 53,001	\$ 53,001	\$ 636,114	\$ 318,004	\$ 318,111
32	SALES HLF CLASSES	\$ 30,420	\$ 30,420	\$ 30,420	\$ 30,420	\$ 30,420	\$ 30,420	\$ 30,420	\$ 30,265	\$ 30,367	\$ 30,420	\$ 30,420	\$ 30,420	\$ 364,832	\$ 182,520	\$ 182,312
33	SALES LLF CLASSES	\$ 46,908	\$ 46,908	\$ 46,908	\$ 46,908	\$ 46,908	\$ 46,908	\$ 46,908	\$ 46,981	\$ 46,936	\$ 46,908	\$ 46,908	\$ 46,908	\$ 562,994	\$ 281,446	\$ 281,547

**Northern Utilities - NEW HAMPSHIRE
Allocation of Demand Costs to Customers**

Base Capacity Costs

1	BASE SENDOUT BY CLASS	
2	Total Therms	
3	Res Heat	Attachment NUI-CAK-3, LN 52
4	Res General	Attachment NUI-CAK-3, LN 53
5	G50 Low Annual-Low Winter	Attachment NUI-CAK-3, LN 54
6	G40 Low Annual-High Winter	Attachment NUI-CAK-3, LN 55
7	G51 Med Annual-Low Winter	Attachment NUI-CAK-3, LN 56
8	G41 Med Annual-High Winter	Attachment NUI-CAK-3, LN 57
9	G52 High Annual-Low Winter	Attachment NUI-CAK-3, LN 58
10	G42 High Annual-High Winter	Attachment NUI-CAK-3, LN 59
11	Total Firm Sales	Sum LN 3 : LN 10
12		
13	% of Total	
14	Res Heat	LN 3 / LN 11
15	Res General	LN 4 / LN 11
16	G50 Low Annual-Low Winter	LN 5 / LN 11
17	G40 Low Annual-High Winter	LN 6 / LN 11
18	G51 Med Annual-Low Winter	LN 7 / LN 11
19	G41 Med Annual-High Winter	LN 8 / LN 11
20	G52 High Annual-Low Winter	LN 9 / LN 11
21	G42 High Annual-High Winter	LN 10 / LN 11
22	Total Firm Sales	LN 11 / LN 11
23		
24	PIPELINE BASE DEMAND COSTS	
25	TOTAL PIPELINE BASE DEMAND COST	Attachment NUI-CAK-2, LN 69
26	Res Heat	LN 25 * LN 14
27	Res General	LN 25 * LN 15
28	G50 Low Annual-Low Winter	LN 25 * LN 16
29	G40 Low Annual-High Winter	LN 25 * LN 17
30	G51 Med Annual-Low Winter	LN 25 * LN 18
31	G41 Med Annual-High Winter	LN 25 * LN 19
32	G52 High Annual-Low Winter	LN 25 * LN 20
33	G42 High Annual-High Winter	LN 25 * LN 21
34		
35	Residential	LN 26 + LN 27
36	SALES HLF CLASSES	LN 28 + LN 30 + LN 32
37	SALES LLF CLASSES	LN 29 + LN 31 + LN 33
38		

Remaining Capacity Costs

	Column A	Column B	Column C	Column D
	Design Day Demand (MMBtu)	Avg Daily Base Use Load (MMBtu)	Remaining Design Day Demand (MMBtu)	% of Total Remaining Design Day Demand
Res Heat	24,141	1,406	22,735	48.80%
Res General	222	32	190	0.41%
G50 Low Annual-Low Winter	905	265	640	1.37%
G40 Low Annual-High Winter	11,858	533	11,325	24.31%
G51 Med Annual-Low Winter	1,441	399	1,041	2.23%
G41 Med Annual-High Winter	9,240	563	8,677	18.62%
G52 High Annual-Low Winter	365	160	205	0.44%
G42 High Annual-High Winter	1,952	177	1,776	3.81%
TOTAL	50,124	3,536	46,588	100.00%

REMAINING PIPELINE DEMAND

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
NH DIVISION TOTAL - REMAINING PIPELINE	\$ 345,883	\$ 673,169	\$ 1,293,229	\$ 718,765	\$ 495,985	\$ 201,641	\$ 56,454	\$ 12,418	\$ -	\$ 423	\$ 9,182	\$ 94,318	\$ 3,901,466	\$ 3,728,672	\$ 172,794
Res Heat	\$ 168,790	\$ 328,505	\$ 631,093	\$ 350,756	\$ 242,040	\$ 98,401	\$ 27,549	\$ 6,060	\$ -	\$ 207	\$ 4,481	\$ 46,027	\$ 1,903,907	\$ 1,819,584	\$ 84,323
Res General	\$ 1,411	\$ 2,745	\$ 5,274	\$ 2,931	\$ 2,023	\$ 822	\$ 230	\$ 51	\$ -	\$ 2	\$ 37	\$ 385	\$ 15,911	\$ 15,207	\$ 705
G50 Low Annual-Low Winter	\$ 4,750	\$ 9,244	\$ 17,759	\$ 9,870	\$ 6,811	\$ 2,769	\$ 775	\$ 171	\$ -	\$ 6	\$ 126	\$ 1,295	\$ 53,576	\$ 51,203	\$ 2,373
G40 Low Annual-High Winter	\$ 84,082	\$ 163,643	\$ 314,376	\$ 174,727	\$ 120,571	\$ 49,018	\$ 13,724	\$ 3,019	\$ -	\$ 103	\$ 2,232	\$ 22,928	\$ 948,422	\$ 906,417	\$ 42,005
G51 Med Annual-Low Winter	\$ 7,730	\$ 15,044	\$ 28,902	\$ 16,063	\$ 11,084	\$ 4,506	\$ 1,262	\$ 278	\$ -	\$ 9	\$ 205	\$ 2,108	\$ 87,191	\$ 83,330	\$ 3,862
G41 Med Annual-High Winter	\$ 64,418	\$ 125,372	\$ 240,853	\$ 133,864	\$ 92,373	\$ 37,554	\$ 10,514	\$ 2,313	\$ -	\$ 79	\$ 1,710	\$ 17,566	\$ 726,617	\$ 694,435	\$ 32,182
G52 High Annual-Low Winter	\$ 1,519	\$ 2,956	\$ 5,679	\$ 3,156	\$ 2,178	\$ 886	\$ 248	\$ 55	\$ -	\$ 2	\$ 40	\$ 414	\$ 17,133	\$ 16,375	\$ 759
G42 High Annual-High Winter	\$ 13,184	\$ 25,659	\$ 49,293	\$ 27,397	\$ 18,905	\$ 7,686	\$ 2,152	\$ 473	\$ -	\$ 16	\$ 350	\$ 3,595	\$ 148,709	\$ 142,123	\$ 6,586
TOTAL	\$ 345,883	\$ 673,169	\$ 1,293,229	\$ 718,765	\$ 495,985	\$ 201,641	\$ 56,454	\$ 12,418	\$ -	\$ 423	\$ 9,182	\$ 94,318	\$ 3,901,466	\$ 3,728,672	\$ 172,794
Residential	\$ 170,201	\$ 331,250	\$ 636,367	\$ 353,687	\$ 244,062	\$ 99,223	\$ 27,779	\$ 6,111	\$ -	\$ 208	\$ 4,518	\$ 46,411	\$ 1,919,818	\$ 1,834,790	\$ 85,028
SALES HLF CLASSES	\$ 13,999	\$ 27,245	\$ 52,340	\$ 29,090	\$ 20,074	\$ 8,161	\$ 2,285	\$ 503	\$ -	\$ 17	\$ 372	\$ 3,817	\$ 157,900	\$ 150,907	\$ 6,993
SALES LLF CLASSES	\$ 161,683	\$ 314,674	\$ 604,522	\$ 335,988	\$ 231,849	\$ 94,258	\$ 26,389	\$ 5,805	\$ -	\$ 198	\$ 4,292	\$ 44,089	\$ 1,823,748	\$ 1,742,975	\$ 80,773

STORAGE AND ON-SYSTEM PEAKING DEMAND

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
NH DIVISION TOTAL - PEAKING & STORAGE	\$ 795,466	\$ 1,548,164	\$ 2,974,187	\$ 1,653,027	\$ 1,140,674	\$ 463,738	\$ 129,833	\$ 28,560	\$ -	\$ 973	\$ 21,116	\$ 216,913	\$ 8,972,651	\$ 8,575,256	\$ 397,395
Res Heat	\$ 388,186	\$ 755,501	\$ 1,451,397	\$ 806,674	\$ 556,646	\$ 226,303	\$ 63,358	\$ 13,937	\$ -	\$ 475	\$ 10,305	\$ 105,853	\$ 4,378,634	\$ 4,184,706	\$ 193,928
Res General	\$ 3,244	\$ 6,314	\$ 12,130	\$ 6,741	\$ 4,652	\$ 1,891	\$ 529	\$ 116	\$ -	\$ 4	\$ 86	\$ 885	\$ 36,593	\$ 34,972	\$ 1,621
G50 Low Annual-Low Winter	\$ 10,923	\$ 21,260	\$ 40,842	\$ 22,700	\$ 15,664	\$ 6,368	\$ 1,783	\$ 392	\$ -	\$ 13	\$ 290	\$ 2,979	\$ 123,214	\$ 117,757	\$ 5,457
G40 Low Annual-High Winter	\$ 193,373	\$ 376,349	\$ 723,006	\$ 401,840	\$ 277,291	\$ 112,732	\$ 31,562	\$ 6,943	\$ -	\$ 237	\$ 5,133	\$ 52,730	\$ 2,181,195	\$ 2,084,591	\$ 96,604
G51 Med Annual-Low Winter	\$ 17,777	\$ 34,599	\$ 66,468	\$ 36,942	\$ 25,492	\$ 10,364	\$ 2,902	\$ 638	\$ -	\$ 22	\$ 472	\$ 4,848	\$ 200,524	\$ 191,643	\$ 8,881
G41 Med Annual-High Winter	\$ 148,149	\$ 288,333	\$ 553,918	\$ 307,863	\$ 212,441	\$ 86,368	\$ 24,180	\$ 5,319	\$ -	\$ 181	\$ 3,933	\$ 40,398	\$ 1,671,084	\$ 1,597,073	\$ 74,012
G52 High Annual-Low Winter	\$ 3,493	\$ 6,799	\$ 13,061	\$ 7,259	\$ 5,009	\$ 2,037	\$ 570	\$ 125	\$ -	\$ 4	\$ 93	\$ 953	\$ 39,404	\$ 37,658	\$ 1,745
G42 High Annual-High Winter	\$ 30,320	\$ 59,010	\$ 113,365	\$ 63,007	\$ 43,478	\$ 17,676	\$ 4,949	\$ 1,089	\$ -	\$ 37	\$ 805	\$ 8,268	\$ 342,003	\$ 326,856	\$ 15,147
TOTAL	\$ 795,466	\$ 1,548,164	\$ 2,974,187	\$ 1,653,027	\$ 1,140,674	\$ 463,738	\$ 129,833	\$ 28,560	\$ -	\$ 973	\$ 21,116	\$ 216,913	\$ 8,972,651	\$ 8,575,256	\$ 397,395
Residential	\$ 391,430	\$ 761,814	\$ 1,463,526	\$ 813,415	\$ 561,298	\$ 228,194	\$ 63,888	\$ 14,054	\$ -	\$ 479	\$ 10,391	\$ 106,738	\$ 4,415,227	\$ 4,219,678	\$ 195,549
SALES HLF CLASSES	\$ 32,194	\$ 62,657	\$ 120,372	\$ 66,901	\$ 46,165	\$ 18,768	\$ 5,255	\$ 1,156	\$ -	\$ 39	\$ 855	\$ 8,779	\$ 363,142	\$ 347,058	\$ 16,083
SALES LLF CLASSES	\$ 371,842	\$ 723,692	\$ 1,390,289	\$ 772,711	\$ 533,210	\$ 216,775	\$ 60,691	\$ 13,350	\$ -	\$ 455	\$ 9,871	\$ 101,396	\$ 4,194,282	\$ 4,008,519	\$ 185,763

OFF-SYSTEM PEAKING DEMAND & OUTAGE REPLACEMENT

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
NH DIVISION - OFF-SYSTEM PEAKING	\$ 352,462	\$ 669,367	\$ 1,315,028	\$ 718,421	\$ 519,448	\$ 219,432	\$ 642	\$ 141	\$ -	\$ 5	\$ 104	\$ 1,073	\$ 3,796,122	\$ 3,794,157	\$ 1,965
Res Heat	\$ 172,000	\$ 326,650	\$ 641,731	\$ 350,588	\$ 253,489	\$ 107,082	\$ 313	\$ 69	\$ -	\$ 2	\$ 51	\$ 523	\$ 1,852,499	\$ 1,851,540	\$ 959
Res General	\$ 1,437	\$ 2,730	\$ 5,363	\$ 2,930	\$ 2,118	\$ 895	\$ 3	\$ 1	\$ -	\$ 0	\$ 0	\$ 4	\$ 15,482	\$ 15,474	\$ 8
G50 Low Annual-Low Winter	\$ 4,840	\$ 9,192	\$ 18,058	\$ 9,865	\$ 7,133	\$ 3,013	\$ 9	\$ 2	\$ -	\$ 0	\$ 1	\$ 15	\$ 52,129	\$ 52,102	\$ 27
G40 Low Annual-High Winter	\$ 85,681	\$ 162,719	\$ 319,675	\$ 174,644	\$ 126,274	\$ 53,343	\$ 156	\$ 34	\$ -	\$ 1	\$ 25	\$ 261	\$ 922,813	\$ 922,336	\$ 478
G51 Med Annual-Low Winter	\$ 7,877	\$ 14,959	\$ 29,389	\$ 16,056	\$ 11,609	\$ 4,904	\$ 14	\$ 3	\$ -	\$ 0	\$ 2	\$ 24	\$ 84,837	\$ 84,793	\$ 44
G41 Med Annual-High Winter	\$ 65,643	\$ 124,664	\$ 244,913	\$ 133,800	\$ 96,743	\$ 40,867	\$ 120	\$ 26	\$ -	\$ 1	\$ 19	\$ 200	\$ 706,997	\$ 706,631	\$ 366
G52 High Annual-Low Winter	\$ 1,548	\$ 2,940	\$ 5,775	\$ 3,155	\$ 2,281	\$ 964	\$ 3	\$ 1	\$ -	\$ 0	\$ 0	\$ 5	\$ 16,671	\$ 16,662	\$ 9
G42 High Annual-High Winter	\$ 13,434	\$ 25,514	\$ 50,124	\$ 27,383	\$ 19,799	\$ 8,364	\$ 24	\$ 5	\$ -	\$ 0	\$ 4	\$ 41	\$ 144,694	\$ 144,619	\$ 75
TOTAL	\$ 352,462	\$ 669,367	\$ 1,315,028	\$ 718,421	\$ 519,448	\$ 219,432	\$ 642	\$ 141	\$ -	\$ 5	\$ 104	\$ 1,073	\$ 3,796,122	\$ 3,794,157	\$ 1,965
Residential	\$ 173,438	\$ 329,379	\$ 647,094	\$ 353,518	\$ 255,608	\$ 107,977	\$ 316	\$ 69	\$ -	\$ 2	\$ 51	\$ 528	\$ 1,867,981	\$ 1,867,014	\$ 967
SALES HLF CLASSES	\$ 15,702	\$ 29,821	\$ 58,585	\$ 32,006	\$ 23,142	\$ 9,776	\$ 29	\$ 6	\$ -	\$ 0	\$ 5	\$ 48	\$ 169,119	\$ 169,031	\$ 88
SALES LLF CLASSES	\$ 336,759	\$ 639,546	\$ 1,256,443	\$ 686,415	\$ 496,306	\$ 209,656	\$ 613	\$ 135	\$ -	\$ 5	\$ 100	\$ 1,025	\$ 3,627,003	\$ 3,625,126	\$ 1,877

Remaining Capacity Costs

39		
40	Res Heat	Company Analysis
41	Res General	Company Analysis
42	G50 Low Annual-Low Winter	Company Analysis
43	G40 Low Annual-High Winter	Company Analysis
44	G51 Med Annual-Low Winter	Company Analysis
45	G41 Med Annual-High Winter	Company Analysis
46	G52 High Annual-Low Winter	Company Analysis
47	G42 High Annual-High Winter	Company Analysis
48	TOTAL	Sum LN 40 : LN 47

REMAINING PIPELINE DEMAND

50		
51		
52	NH DIVISION TOTAL - REMAINING PIPELINE DEMAND	Attachment NUI-CAK-2, LN 70
53		
54	Res Heat	LN 40 Col D * LN 52
55	Res General	LN 41 Col D * LN 52
56	G50 Low Annual-Low Winter	LN 42 Col D * LN 52
57	G40 Low Annual-High Winter	LN 43 Col D * LN 52
58	G51 Med Annual-Low Winter	LN 44 Col D * LN 52
59	G41 Med Annual-High Winter	LN 45 Col D * LN 52
60	G52 High Annual-Low Winter	LN 46 Col D * LN 52
61	G42 High Annual-High Winter	LN 47 Col D * LN 52
62	TOTAL	Sum LN 54 : LN 61
63		
64	Residential	LN 54 + LN 55
65	SALES HLF CLASSES	LN 56 + LN 58 + LN 60
66	SALES LLF CLASSES	LN 57 + LN 59 + LN 61

STORAGE AND ON-SYSTEM PEAKING DEMAND

67		
68		
69	NH DIVISION TOTAL - PEAKING & STORAGE DEMAND	Attachment NUI-CAK-2, LN 73
70		
71		
72	Res Heat	LN 40 Col D * LN 70
73	Res General	LN 41 Col D * LN 70
74	G50 Low Annual-Low Winter	LN 42 Col D * LN 70
75	G40 Low Annual-High Winter	LN 43 Col D * LN 70
76	G51 Med Annual-Low Winter	LN 44 Col D * LN 70
77	G41 Med Annual-High Winter	LN 45 Col D * LN 70
78	G52 High Annual-Low Winter	LN 46 Col D * LN 70
79	G42 High Annual-High Winter	LN 47 Col D * LN 70
80	TOTAL	Sum LN 72 : LN 79
81		
82	Residential	LN 72 + LN 73
83	SALES HLF CLASSES	LN 74 + LN 76 + LN 78
84	SALES LLF CLASSES	LN 75 + LN 77 + LN 79

Off-SYSTEM PEAKING DEMAND & OUTAGE

85		
86		
87		
88	NH DIVISION - OFF-SYSTEM PEAKING	Attachment NUI-CAK-2, LN 74
89		
90	Res Heat	LN 40 Col D * LN 88
91	Res General	LN 41 Col D * LN 88
92	G50 Low Annual-Low Winter	LN 42 Col D * LN 88
93	G40 Low Annual-High Winter	LN 43 Col D * LN 88
94	G51 Med Annual-Low Winter	LN 44 Col D * LN 88
95	G41 Med Annual-High Winter	LN 45 Col D * LN 88
96	G52 High Annual-Low Winter	LN 46 Col D * LN 88
97	G42 High Annual-High Winter	LN 47 Col D * LN 88
98	TOTAL	Sum LN 90 : LN 97
99		
100	Residential	LN 90 + LN 91
101	SALES HLF CLASSES	LN 92 + LN 94 + LN 96
102	SALES LLF CLASSES	LN 93 + LN 95 + LN 97

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
107 NH DIVISION - MONTHLY CAP. RELEASE	\$ (391,517)	\$ (733,509)	\$ (1,381,430)	\$ (781,155)	\$ (548,364)	\$ (240,795)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,076,771)	\$ (4,076,771)	\$ -
109 Res Heat	\$ (191,060)	\$ (357,951)	\$ (674,135)	\$ (381,202)	\$ (267,601)	\$ (117,507)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,989,455)	\$ (1,989,455)	\$ -
110 Res General	\$ (1,597)	\$ (2,991)	\$ (5,634)	\$ (3,186)	\$ (2,236)	\$ (982)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (16,626)	\$ (16,626)	\$ -
111 G50 Low Annual-Low Winter	\$ (5,376)	\$ (10,073)	\$ (18,970)	\$ (10,727)	\$ (7,530)	\$ (3,307)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (55,983)	\$ (55,983)	\$ -
112 G40 Low Annual-High Winter	\$ (95,175)	\$ (178,312)	\$ (335,817)	\$ (189,894)	\$ (133,304)	\$ (58,536)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (991,037)	\$ (991,037)	\$ -
113 G51 Med Annual-Low Winter	\$ (8,750)	\$ (16,393)	\$ (30,873)	\$ (17,458)	\$ (12,255)	\$ (5,381)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (91,109)	\$ (91,109)	\$ -
114 G41 Med Annual-High Winter	\$ (72,917)	\$ (136,610)	\$ (257,280)	\$ (145,484)	\$ (102,128)	\$ (44,846)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (759,266)	\$ (759,266)	\$ -
115 G52 High Annual-Low Winter	\$ (1,719)	\$ (3,221)	\$ (6,067)	\$ (3,430)	\$ (2,408)	\$ (1,057)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (17,903)	\$ (17,903)	\$ -
116 G42 High Annual-High Winter	\$ (14,923)	\$ (27,959)	\$ (52,655)	\$ (29,775)	\$ (20,902)	\$ (9,178)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (155,391)	\$ (155,391)	\$ -
117 TOTAL	\$ (391,517)	\$ (733,509)	\$ (1,381,430)	\$ (781,155)	\$ (548,364)	\$ (240,795)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,076,771)	\$ (4,076,771)	\$ -
118															
119 Residential	\$ (192,656)	\$ (360,942)	\$ (679,769)	\$ (384,388)	\$ (269,837)	\$ (118,489)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,006,081)	\$ (2,006,081)	\$ -
120 SALES HLF CLASSES	\$ (15,846)	\$ (29,687)	\$ (55,909)	\$ (31,615)	\$ (22,193)	\$ (9,745)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (164,995)	\$ (164,995)	\$ -
121 SALES LLF CLASSES	\$ (183,015)	\$ (342,880)	\$ (645,752)	\$ (365,152)	\$ (256,334)	\$ (112,560)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,905,694)	\$ (1,905,694)	\$ -

124		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
125	NH DIVISION - MISCELLANEOUS CREDIT	\$ (480)	\$ (900)	\$ (1,694)	\$ (958)	\$ (673)	\$ (295)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (5,000)	\$ (5,000)	\$ -
126																
127	Res Heat	\$ (234)	\$ (439)	\$ (827)	\$ (468)	\$ (328)	\$ (144)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,440)	\$ (2,440)	\$ -
128	Res General	\$ (2)	\$ (4)	\$ (7)	\$ (4)	\$ (3)	\$ (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (20)	\$ (20)	\$ -
129	G50 Low Annual-Low Winter	\$ (7)	\$ (12)	\$ (23)	\$ (13)	\$ (9)	\$ (4)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (69)	\$ (69)	\$ -
130	G40 Low Annual-High Winter	\$ (117)	\$ (219)	\$ (412)	\$ (233)	\$ (163)	\$ (72)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,215)	\$ (1,215)	\$ -
131	G51 Med Annual-Low Winter	\$ (11)	\$ (20)	\$ (38)	\$ (21)	\$ (15)	\$ (7)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (112)	\$ (112)	\$ -
132	G41 Med Annual-High Winter	\$ (89)	\$ (168)	\$ (316)	\$ (178)	\$ (125)	\$ (55)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (931)	\$ (931)	\$ -
133	G52 High Annual-Low Winter	\$ (2)	\$ (4)	\$ (7)	\$ (4)	\$ (3)	\$ (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (22)	\$ (22)	\$ -
134	G42 High Annual-High Winter	\$ (18)	\$ (34)	\$ (65)	\$ (37)	\$ (26)	\$ (11)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (191)	\$ (191)	\$ -
135	TOTAL	\$ (480)	\$ (900)	\$ (1,694)	\$ (958)	\$ (673)	\$ (295)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (5,000)	\$ (5,000)	\$ -
136																
137	Residential	\$ (236)	\$ (443)	\$ (834)	\$ (471)	\$ (331)	\$ (145)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (2,460)	\$ (2,460)	\$ -
138	SALES HLF CLASSES	\$ (21)	\$ (40)	\$ (75)	\$ (43)	\$ (30)	\$ (13)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (223)	\$ (223)	\$ -
139	SALES LLF CLASSES	\$ (459)	\$ (860)	\$ (1,619)	\$ (915)	\$ (643)	\$ (282)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,777)	\$ (4,777)	\$ -

		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
143	Res Heat	\$ 537,682	\$ 1,052,265	\$ 2,049,258	\$ 1,126,348	\$ 784,247	\$ 314,135	\$ 91,221	\$ 20,066	\$ -	\$ 684	\$ 14,836	\$ 152,403	\$ 6,143,145	\$ 5,863,935	\$ 279,210
144	Res General	\$ 4,493	\$ 8,794	\$ 17,126	\$ 9,413	\$ 6,554	\$ 2,625	\$ 762	\$ 168	\$ -	\$ 6	\$ 123	\$ 1,274	\$ 51,339	\$ 49,006	\$ 2,333
145	G50 Low Annual-Low Winter	\$ 15,130	\$ 29,611	\$ 57,666	\$ 31,695	\$ 22,069	\$ 8,840	\$ 2,567	\$ 565	\$ -	\$ 19	\$ 417	\$ 4,289	\$ 172,867	\$ 165,010	\$ 7,857
146	G40 Low Annual-High Winter	\$ 267,844	\$ 524,181	\$ 1,020,828	\$ 561,085	\$ 390,669	\$ 156,485	\$ 45,441	\$ 9,996	\$ -	\$ 341	\$ 7,391	\$ 75,919	\$ 3,060,177	\$ 2,921,090	\$ 139,087
147	G51 Med Annual-Low Winter	\$ 24,624	\$ 48,190	\$ 93,848	\$ 51,582	\$ 35,915	\$ 14,386	\$ 4,178	\$ 919	\$ -	\$ 31	\$ 679	\$ 6,979	\$ 281,332	\$ 268,545	\$ 12,787
148	G41 Med Annual-High Winter	\$ 205,204	\$ 401,592	\$ 782,089	\$ 429,865	\$ 299,304	\$ 119,888	\$ 34,814	\$ 7,658	\$ -	\$ 261	\$ 5,662	\$ 58,164	\$ 2,344,501	\$ 2,237,942	\$ 106,559
149	G52 High Annual-Low Winter	\$ 4,839	\$ 9,469	\$ 18,441	\$ 10,136	\$ 7,057	\$ 2,827	\$ 821	\$ 181	\$ -	\$ 6	\$ 134	\$ 1,371	\$ 55,283	\$ 52,770	\$ 2,513
150	G42 High Annual-High Winter	\$ 41,997	\$ 82,190	\$ 160,062	\$ 87,976	\$ 61,255	\$ 24,536	\$ 7,125	\$ 1,567	\$ -	\$ 53	\$ 1,159	\$ 11,904	\$ 479,824	\$ 458,016	\$ 21,808
151	TOTAL	\$ 1,101,813	\$ 2,156,291	\$ 4,199,319	\$ 2,308,101	\$ 1,607,070	\$ 643,721	\$ 186,929	\$ 41,119	\$ -	\$ 1,401	\$ 30,402	\$ 312,303	\$ 12,588,468	\$ 12,016,314	\$ 572,154
152																
153	Residential	\$ 542,176	\$ 1,061,059	\$ 2,066,384	\$ 1,135,761	\$ 790,801	\$ 316,760	\$ 91,983	\$ 20,234	\$ -	\$ 690	\$ 14,960	\$ 153,677	\$ 6,194,484	\$ 5,912,941	\$ 281,544
154	SALES LFL CLASSES	\$ 44,593	\$ 87,270	\$ 169,955	\$ 93,414	\$ 65,041	\$ 26,053	\$ 7,565	\$ 1,664	\$ -	\$ 57	\$ 1,230	\$ 12,640	\$ 509,482	\$ 486,325	\$ 23,156
155	SALES HLF CLASSES	\$ 515,045	\$ 1,007,962	\$ 1,962,979	\$ 1,078,926	\$ 751,228	\$ 300,909	\$ 87,380	\$ 19,221	\$ -	\$ 655	\$ 14,212	\$ 145,987	\$ 5,884,503	\$ 5,617,048	\$ 267,455

		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	SUMMER
158																
159	Res Heat	\$ 589,504	\$ 1,104,087	\$ 2,101,080	\$ 1,178,170	\$ 836,068	\$ 365,956	\$ 143,043	\$ 71,969	\$ 51,846	\$ 52,506	\$ 66,658	\$ 204,225	\$ 6,765,112	\$ 6,174,866	\$ 590,246
160	Res General	\$ 5,672	\$ 9,973	\$ 18,305	\$ 10,592	\$ 7,733	\$ 3,804	\$ 1,941	\$ 1,348	\$ 1,179	\$ 1,184	\$ 1,303	\$ 2,452	\$ 65,486	\$ 56,078	\$ 9,408
161	G50 Low Annual-Low Winter	\$ 24,914	\$ 39,395	\$ 67,450	\$ 41,479	\$ 31,853	\$ 18,624	\$ 12,351	\$ 10,364	\$ 9,789	\$ 9,803	\$ 10,202	\$ 14,073	\$ 290,296	\$ 223,715	\$ 66,581
162	G40 Low Annual-High Winter	\$ 287,478	\$ 543,815	\$ 1,040,462	\$ 580,719	\$ 410,303	\$ 176,119	\$ 65,075	\$ 29,661	\$ 19,643	\$ 19,975	\$ 27,025	\$ 95,553	\$ 3,295,828	\$ 3,038,896	\$ 256,932
163	G51 Med Annual-Low Winter	\$ 39,348	\$ 62,914	\$ 108,573	\$ 66,307	\$ 50,640	\$ 29,111	\$ 18,902	\$ 15,666	\$ 14,731	\$ 14,756	\$ 15,666	\$ 21,704	\$ 458,057	\$ 356,893	\$ 101,164
164	G41 Med Annual-High Winter	\$ 225,966	\$ 422,354	\$ 802,852	\$ 450,628	\$ 320,066	\$ 140,650	\$ 55,576	\$ 28,453	\$ 20,772	\$ 21,023	\$ 26,425	\$ 78,926	\$ 2,593,693	\$ 2,362,517	\$ 231,176
165	G52 High Annual-Low Winter	\$ 10,750	\$ 15,381	\$ 24,353	\$ 16,047	\$ 12,969	\$ 8,738	\$ 6,732	\$ 5,898	\$ 5,847	\$ 5,917	\$ 6,045	\$ 7,283	\$ 125,961	\$ 88,238	\$ 37,723
166	G42 High Annual-High Winter	\$ 48,508	\$ 88,701	\$ 166,573	\$ 94,487	\$ 67,766	\$ 31,047	\$ 13,636	\$ 8,088	\$ 6,520	\$ 6,564	\$ 7,670	\$ 18,415	\$ 557,975	\$ 497,082	\$ 60,893
167	TOTAL	\$ 1,232,141	\$ 2,286,619	\$ 4,329,647	\$ 2,438,429	\$ 1,737,398	\$ 774,050	\$ 317,257	\$ 171,448	\$ 130,328	\$ 131,730	\$ 160,731	\$ 442,631	\$ 14,152,409	\$ 12,798,284	\$ 1,354,125
168																
169	Residential	\$ 595,176	\$ 1,114,060	\$ 2,119,385	\$ 1,188,762	\$ 843,801	\$ 369,760	\$ 144,984	\$ 73,317	\$ 53,025	\$ 53,690	\$ 67,961	\$ 206,677	\$ 6,830,599	\$ 6,230,944	\$ 599,654
170	SALES HLF CLASSES	\$ 75,013	\$ 117,690	\$ 200,375	\$ 123,834	\$ 95,461	\$ 56,473	\$ 37,985	\$ 31,929	\$ 30,367	\$ 30,667	\$ 31,650	\$ 43,060	\$ 874,314	\$ 668,845	\$ 205,468
171	SALES LFL CLASSES	\$ 561,952	\$ 1,054,870	\$ 2,009,887	\$ 1,125,834	\$ 798,136	\$ 347,816	\$ 134,288	\$ 66,202	\$ 46,936	\$ 47,563	\$ 61,119	\$ 192,894	\$ 6,447,496	\$ 5,898,495	\$ 549,000

[illegible]

105 **CAPACITY RELEASE MARGINS & ASSET MANAGEMENT CREDIT BY CLASS**

106		
107	NH DIVISION - MONTHLY CAP. RELEASE	Attachment NUI-CAK-2, LN 77
108		
109	Res Heat	LN 40 Col D * LN 107
110	Res General	LN 41 Col D * LN 107
111	G50 Low Annual-Low Winter	LN 42 Col D * LN 107
112	G40 Low Annual-High Winter	LN 43 Col D * LN 107
113	G51 Med Annual-Low Winter	LN 44 Col D * LN 107
114	G41 Med Annual-High Winter	LN 45 Col D * LN 107
115	G52 High Annual-Low Winter	LN 46 Col D * LN 107
116	G42 High Annual-High Winter	LN 47 Col D * LN 107
117	TOTAL	Sum LN 109 : LN 116
118		
119	Residential	LN 109 + LN 110
120	SALES HLF CLASSES	LN 111 + LN 113 + LN 115
121	SALES LLF CLASSES	LN 112 + LN 114 + LN 116

122
123 **MISCELLANEOUS CREDITS BY CLASS (Includes Re-entry Rate & Conversion Re**

124		
125	NH DIVISION - MISCELLANEOUS CREDIT	Attachment NUI-CAK-2, LN 78 + LN 79
126		
127	Res Heat	LN 40 Col D * LN 125
128	Res General	LN 41 Col D * LN 125
129	G50 Low Annual-Low Winter	LN 42 Col D * LN 125
130	G40 Low Annual-High Winter	LN 43 Col D * LN 125
131	G51 Med Annual-Low Winter	LN 44 Col D * LN 125
132	G41 Med Annual-High Winter	LN 45 Col D * LN 125
133	G52 High Annual-Low Winter	LN 46 Col D * LN 125
134	G42 High Annual-High Winter	LN 47 Col D * LN 125
135	TOTAL	Sum LN 127 : LN 134
136		
137	Residential	LN 127 + LN 128
138	SALES HLF CLASSES	LN 129 + LN 131 + LN 133
139	SALES LLF CLASSES	LN 130 + LN 132 + LN 134

140
141 **TOTAL NON-BASE CAPACITY COSTS**

142		
143	Res Heat	Sum of Ln 54, 72, 90, 109, 127
144	Res General	Sum of Ln 55, 73, 91, 110, 128
145	G50 Low Annual-Low Winter	Sum of Ln 56, 74, 92, 111, 129
146	G40 Low Annual-High Winter	Sum of Ln 57, 75, 93, 112, 130
147	G51 Med Annual-Low Winter	Sum of Ln 58, 76, 94, 113, 131
148	G41 Med Annual-High Winter	Sum of Ln 59, 77, 95, 114, 132
149	G52 High Annual-Low Winter	Sum of Ln 60, 78, 96, 115, 133
150	G42 High Annual-High Winter	Sum of Ln 61, 79, 97, 116, 134
151	TOTAL	Sum LN 143 : LN 150
152		
153	Residential	LN 143 + LN 144
154	SALES HLF CLASSES	LN 145 + LN 147 + LN 149
155	SALES LLF CLASSES	LN 146 + LN 148 + LN 150

156
157 **TOTAL CAPACITY COSTS**

158		
159	Res Heat	LN 143 + LN 26
160	Res General	LN 144 + LN 27
161	G50 Low Annual-Low Winter	LN 145 + LN 28
162	G40 Low Annual-High Winter	LN 146 + LN 29
163	G51 Med Annual-Low Winter	LN 147 + LN 30
164	G41 Med Annual-High Winter	LN 148 + LN 31
165	G52 High Annual-Low Winter	LN 149 + LN 32
166	G42 High Annual-High Winter	LN 150 + LN 33
167	TOTAL	Sum LN 159 : LN 166
168		
169	Residential	LN 159 + LN 160
170	SALES HLF CLASSES	LN 161 + LN 163 + LN 165
171	SALES LLF CLASSES	LN 162 + LN 164 + LN 166
172		
173	% ALLOCATION BETWEEN SALES HLF AND	
174	SALES HLF CLASSES	LN 170 / (LN170 + LN 171)
175	SALES LLF CLASSES	LN 171 / (LN 170 + LN 171)

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
Supply Volumes - MMBtu															
Total Pipeline	982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	8,854,520	5,861,225	2,993,295
Total Storage	334,018	731,204	814,153	870,348	598,789	0	0	0	0	0	0	0	3,348,512	3,348,512	0
Total Peaking	1,794	132,447	416,567	168,774	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	798,822	787,782	11,040
Total Off-system Sales													0	0	0
Subtotal	1,317,939	1,842,583	2,157,613	1,885,708	1,688,286	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	13,001,854	9,997,519	3,004,335
Less Interruptible	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Less Interruptible	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Supply	1,317,939	1,842,583	2,157,613	1,885,708	1,688,286	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	13,001,854	9,997,519	3,004,335
Total Firm Supply	982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	8,854,520	5,861,225	2,993,295
Variable Costs															
Base Pipeline Cost	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526	\$ 32,159,520	\$ 10,352,007
NYMEX Price Used for NYMEX Price Used for Update	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890			
Increase/(Decrease)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00			
Total Updated Firm Supply	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526	\$ 32,159,520	\$ 10,352,007
Total Pipeline	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526	\$ 32,159,520	\$ 10,352,007
Total Storage	\$ 1,044,295	\$ 2,265,206	\$ 2,524,545	\$ 2,702,360	\$ 1,867,551	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,403,958	\$ 10,403,958	\$ -
Total Peaking	\$ 9,526	\$ 2,091,388	\$ 4,553,220	\$ 2,865,280	\$ 1,286,222	\$ 10,221	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402	\$ 10,888,290	\$ 10,815,857	\$ 72,433
Total Off-system Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal	\$ 6,302,351	\$ 10,091,778	\$ 13,140,440	\$ 11,023,635	\$ 8,590,113	\$ 4,231,017	\$ 2,207,586	\$ 1,486,950	\$ 1,384,547	\$ 1,394,443	\$ 1,424,238	\$ 2,526,676	\$ 63,803,774	\$ 53,379,334	\$ 10,424,440
Interruptible Cost Estimate															
Variable Pipeline Average Supply	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526	\$ 32,159,520	\$ 10,352,007
Interruptible	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interruptible	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Pipeline	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526	\$ 32,159,520	\$ 10,352,007
Total Storage	\$ 1,044,295	\$ 2,265,206	\$ 2,524,545	\$ 2,702,360	\$ 1,867,551	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,403,958	\$ 10,403,958	\$ -
Total Peaking	\$ 9,526	\$ 2,091,388	\$ 4,553,220	\$ 2,865,280	\$ 1,286,222	\$ 10,221	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402	\$ 10,888,290	\$ 10,815,857	\$ 72,433
Off-system Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Firm Supply	\$ 6,302,351	\$ 10,091,778	\$ 13,140,440	\$ 11,023,635	\$ 8,590,113	\$ 4,231,017	\$ 2,207,586	\$ 1,486,950	\$ 1,384,547	\$ 1,394,443	\$ 1,424,238	\$ 2,526,676	\$ 63,803,774	\$ 53,379,334	\$ 10,424,440
Sales Variable Costs															

Northern Utilities
ALLOCATION OF COMMODITY COSTS

1	Supply Volumes - MMBtu	
2	Total Pipeline	Attachment NU
3	Total Storage	Attachment NU
4	Total Peaking	Attachment NU
5	Total Off-system	NA
6	Subtotal	SUM LN 2: LN 4
7	Less Interruptible	Company Analy
8	Less Interruptible	Company Analy
9	Total Firm Supply	LN 7 - LN 8 - LN
10	Total Firm Pipeline	LN 2 + LN 3- LN
11	Variable Costs	
12	Pipeline Costs	Attachment NU
13	NYMEX Price U	Attachment NU
14	NYMEX Price U	Attachment NU
15	Increase/(Decrease)	LN 13 - LN 14
16	Increase/(Decrease)	LN 2 * LN 15
17	Total Updated	LN 12 + LN 16
18		
19	Total Pipeline	LN 17
20	Total Storage	Attachment NU
21	Total Peaking	Attachment NU
22	Total Off-system	NA
23		
24	Subtotal	Sum LN 19 : LN
25		
26	Interruptible Co	Company Analy
27	Variable Pipeline	LN 17
28	Average Supply	LN 27 / LN 2
29	Interruptible Co	LN 28 * LN 7
30	Interruptible Co	LN 28 * LN 8
31		
32	Firm Sales Pipeline	LN 19 - LN 29
33	Total Storage	LN 20
34	Total Peaking	LN 21
35	Off-system Sales	LN 22
	Total Firm	
36	Sales Variable Costs	SUM LN 32 : LN

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

Commodity Allocation Factors

Firm Sales Sendout for Normal Winter, MMBtu

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
Maine	840,656	1,162,033	1,359,609	1,199,672	1,101,525	755,361	432,603	302,023	288,888	292,515	305,552	480,776	8,521,213	6,418,856	2,102,357
New Hampsh	477,284	680,551	798,004	686,035	586,760	350,029	193,176	127,316	108,780	110,422	122,341	239,943	4,480,641	3,578,664	901,977
Total	1,317,940	1,842,584	2,157,613	1,885,708	1,688,285	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	13,001,854	9,997,520	3,004,334

Percentage of Total

Maine	63.79%	63.07%	63.01%	63.62%	65.25%	68.33%	69.13%	70.35%	72.65%	72.60%	71.41%	66.71%	65.54%	64.20%	69.98%
New Hampsh	36.21%	36.93%	36.99%	36.38%	34.75%	31.67%	30.87%	29.65%	27.35%	27.40%	28.59%	33.29%	34.46%	35.80%	30.02%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Commodity Allocation by Jurisdiction

Maine

Total Pipeline	\$ 3,347,806	\$ 3,616,916	\$ 3,820,363	\$ 3,471,061	\$ 3,546,951	\$ 2,884,253	\$ 1,518,815	\$ 1,038,207	\$ 997,484	\$ 1,003,983	\$ 1,007,419	\$ 1,675,884	\$ 27,929,145	\$ 20,687,352	\$ 7,241,793
Storage	\$ 666,110	\$ 1,428,561	\$ 1,590,829	\$ 1,719,221	\$ 1,218,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,623,208	\$ 6,623,208	\$ -
Peaking	\$ 6,076	\$ 1,318,942	\$ 2,869,188	\$ 1,822,868	\$ 839,198	\$ 6,984	\$ 7,297	\$ 7,804	\$ 8,328	\$ 8,322	\$ 9,608	\$ 9,607	\$ 6,914,224	\$ 6,863,258	\$ 50,966
Off-system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Maine Co	\$ 4,019,993	\$ 6,364,420	\$ 8,280,380	\$ 7,013,150	\$ 5,604,637	\$ 2,891,238	\$ 1,526,112	\$ 1,046,011	\$ 1,005,812	\$ 1,012,305	\$ 1,017,028	\$ 1,685,492	\$ 41,466,577	\$ 34,173,818	\$ 7,292,759
Maine Inventory	\$ 335	\$ 522	\$ 640	\$ 561	\$ 485	\$ 284	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,827	\$ 2,827	\$ -
Total Maine Val	\$ 4,020,328	\$ 6,364,941	\$ 8,281,020	\$ 7,013,711	\$ 5,605,122	\$ 2,891,522	\$ 1,526,112	\$ 1,046,011	\$ 1,005,812	\$ 1,012,305	\$ 1,017,028	\$ 1,685,492	\$ 41,469,404	\$ 34,176,644	\$ 7,292,759

New Hampshire

Total Pipeline	\$ 1,900,723	\$ 2,118,268	\$ 2,242,311	\$ 1,984,934	\$ 1,889,389	\$ 1,336,543	\$ 678,216	\$ 437,649	\$ 375,599	\$ 378,996	\$ 403,363	\$ 836,389	\$ 14,582,381	\$ 11,472,168	\$ 3,110,213
Storage	\$ 378,185	\$ 836,645	\$ 933,716	\$ 983,140	\$ 649,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,780,749	\$ 3,780,749	\$ -
Peaking	\$ 3,450	\$ 772,446	\$ 1,684,032	\$ 1,042,411	\$ 447,024	\$ 3,237	\$ 3,258	\$ 3,290	\$ 3,136	\$ 3,142	\$ 3,847	\$ 4,795	\$ 3,974,066	\$ 3,952,599	\$ 21,467
Off-system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total New Ham	\$ 2,282,359	\$ 3,727,358	\$ 4,860,059	\$ 4,010,484	\$ 2,985,476	\$ 1,339,779	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184	\$ 22,337,197	\$ 19,205,516	\$ 3,131,680
New Hampshire	\$ 174	\$ 268	\$ 323	\$ 275	\$ 224	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,378	\$ 1,378	\$ -
Total New Ham	\$ 2,282,533	\$ 3,727,626	\$ 4,860,382	\$ 4,010,760	\$ 2,985,700	\$ 1,339,894	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184	\$ 22,338,575	\$ 19,206,895	\$ 3,131,680

Northern Utilities

Total Pipeline	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 42,511,526	\$ 32,159,520	\$ 10,352,007
Storage	\$ 1,044,295	\$ 2,265,206	\$ 2,524,545	\$ 2,702,360	\$ 1,867,551	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,403,958	\$ 10,403,958	\$ -
Peaking	\$ 9,526	\$ 2,091,388	\$ 4,553,220	\$ 2,865,280	\$ 1,286,222	\$ 10,221	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402	\$ 10,888,290	\$ 10,815,857	\$ 72,433
Off-system	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Northern	\$ 6,302,351	\$ 10,091,778	\$ 13,140,440	\$ 11,023,635	\$ 8,590,113	\$ 4,231,017	\$ 2,207,586	\$ 1,486,950	\$ 1,384,547	\$ 1,394,443	\$ 1,424,238	\$ 2,526,676	\$ 63,803,774	\$ 53,379,334	\$ 10,424,440
Northern Invent	\$ 509	\$ 789	\$ 963	\$ 836	\$ 709	\$ 398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,205	\$ 4,205	\$ -
Total Northern	\$ 6,302,860	\$ 10,092,567	\$ 13,141,403	\$ 11,024,471	\$ 8,590,822	\$ 4,231,415	\$ 2,207,586	\$ 1,486,950	\$ 1,384,547	\$ 1,394,443	\$ 1,424,238	\$ 2,526,676	\$ 63,807,979	\$ 53,383,539	\$ 10,424,440

Northern Utilities
ALLOCATION OF COMMODITY CC

Commodity Allocation Factors
Firm Sales Sendout for Normal \

Maine	Company Anal
New Hampsh	NUI-CAK-3, LN
Total	LN 40 + LN 41

Percentage of Total	
Maine	LN 40 / LN 42
New Hampsh	LN 41 / LN 42
Total	LN 45 + LN 46

Commodity Allocation by Juris

Maine

Firm Sales	
Pipeline	
Commodity	LN 32 * LN 45
Storage	LN 33 * LN 45
Peaking	LN 34 * LN 45
Off-system S	LN 35 * LN 45
Total Maine Co	SUM LN 51 : L
Maine Inventory	LN 95
Total Maine Val	LN 55 + LN 56

New Hampshire

Firm Sales	
Pipeline	
Commodity	
Excl'd Hedg	LN 32 * LN 46
Storage	LN 33 * LN 46
Peaking	LN 34 * LN 46
Off-system S	LN 35 * LN 46
Total New Ham	SUM LN 59 : L
New Hampshire	LN 100
Total New Ham	LN 63 + LN 64

Northern Utilities

Firm Sales	
Pipeline	
Commodity	
Excl'd Hedg	LN 51 + LN 59
Storage	LN 52 + LN 60
Peaking	LN 53 + LN 61
Off-system S	LN 54 + LN 62
Total Northern	LN 55 + LN 63
Northern Invent	LN 56 + LN 64
Total Northern	LN 57 + LN 65

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

Northern Utilities
Simplified Market Based Allocator (MBA) Calculations
ALLOCATION OF NORTHERN INVENTORY FINANCE CHARGE

Col A	Col B	Col C	Col D	Col E	Col F	Col G	Col H	Col I	Col J	Col K	Col L	Col M	Col N	Col O	Col P
Inventory Final	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
Storage	\$ 606	\$ 509	\$ 314	\$ 130	\$ 21	\$ -	\$ 72	\$ 145	\$ 214	\$ 354	\$ 489	\$ 618	\$ 3,470		\$ 1,891
Peaking	\$ 64	\$ 53	\$ 43	\$ 33	\$ 29	\$ 52	\$ 74	\$ 77	\$ 74	\$ 61	\$ 76	\$ 99	\$ 735		\$ 461
Total	\$ 670	\$ 562	\$ 357	\$ 162	\$ 50	\$ 52	\$ 146	\$ 222	\$ 288	\$ 415	\$ 565	\$ 717	\$ 4,205		\$ 2,352
Inventory Finance Charge Allocation by Jurisdiction															
Maine	\$ 427	\$ 354	\$ 225	\$ 103	\$ 33	\$ 35	\$ 101	\$ 156	\$ 209	\$ 302	\$ 403	\$ 478	\$ 2,827		\$ 1,649
New Hampsh	\$ 243	\$ 208	\$ 132	\$ 59	\$ 17	\$ 16	\$ 45	\$ 66	\$ 79	\$ 114	\$ 161	\$ 239	\$ 1,378		\$ 703
Total	\$ 670	\$ 562	\$ 357	\$ 162	\$ 50	\$ 52	\$ 146	\$ 222	\$ 288	\$ 415	\$ 565	\$ 717	\$ 4,205		\$ 2,352
Inventory Finance Charge Allocation by Month															
Maine															
Firm Sales M	559,332	871,331	1,068,907	937,104	810,824	474,037	0	0	0	0	0	0	0	4,721,535	0
Monthly % S	11.85%	18.45%	22.64%	19.85%	17.17%	10.04%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
ME Allocate	\$ 335	\$ 522	\$ 640	\$ 561	\$ 485	\$ 284	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,827	\$ -
New Hampshire															
Firm Sales N	371,219	570,950	688,403	587,041	477,159	243,964	0	0	0	0	0	0	0	2,938,735	0
Monthly % S	12.63%	19.43%	23.43%	19.98%	16.24%	8.30%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
NH Allocate	\$ 174	\$ 268	\$ 323	\$ 275	\$ 224	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,378	\$ -

Northern Utilities
ALLOCATION OF COMMODITY CC

75 **Northern Utilities**
76 **Simplified Market Base**
77 **ALLOCATION OF NOR**

Inventory Finance Charge	
Storage	Attachment NU
Peaking	Attachment NU
Total	SUM LN 82 : L

Inventory Finance Charge Allo	
Maine	LN 45 * LN 84
New Hampsh	LN 46 * LN 84
Total	SUM LN 87 : L

Inventory Finance Charge Allo

Maine

Firm Sales	Attachment NU
Monthly % S	LN 93 / LN 93
ME Allocate	LN 94 * LN 84

New Hampshire

Firm Sales	Attachment NU
Monthly % S	LN 98 / LN 98
NH Allocate	LN 99 * LN 84

**Northern Utilities - NEW HAMPSHIRE DIVISION
COMMODITY COSTS**

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
Supply Volumes - Therms															
New Hampshire Sales Pipeline	3,556,713	3,615,649	3,428,159	3,079,946	3,555,734	3,494,609	1,926,016	1,267,821	1,082,707	1,099,128	1,218,262	2,393,235	29,717,980	20,730,811	8,987,169
New Hampshire Sales Storage	1,209,626	2,700,672	3,011,188	3,166,394	2,081,078	0	0	0	0	0	0	0	12,168,959	12,168,959	0
New Hampshire Sales Peaking	6,497	489,187	1,540,696	614,012	230,792	5,681	5,742	5,338	5,088	5,097	5,146	6,192	2,919,468	2,886,865	32,603
Total New Hampshire Firm Sales Sendout	4,772,837	6,805,508	7,980,043	6,860,353	5,867,604	3,500,290	1,931,758	1,273,159	1,087,795	1,104,225	1,223,408	2,399,427	44,806,406	35,786,634	9,019,772
New Hampshire Interruptible Sendout (Pipeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Sendout	4,772,837	6,805,508	7,980,043	6,860,353	5,867,604	3,500,290	1,931,758	1,273,159	1,087,795	1,104,225	1,223,408	2,399,427	44,806,406	35,786,634	9,019,772
Total Firm Sales	4,713,183	6,720,446	7,880,297	6,774,602	5,794,261	3,456,540	1,907,611	1,257,246	1,074,199	1,090,422	1,208,118	2,369,434	44,246,359	35,339,329	8,907,030
Difference (LAUF & Company Use)	59,654	85,062	99,746	85,751	73,343	43,750	24,147	15,913	13,597	13,803	15,291	29,993	560,047	447,305	112,742
Percent Difference	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%	1.25%
Variable Costs															
New Hampshire Sales Pipeline	\$ 1,900,723	\$ 2,118,268	\$ 2,242,311	\$ 1,984,934	\$ 1,889,389	\$ 1,336,543	\$ 678,216	\$ 437,649	\$ 375,599	\$ 378,996	\$ 403,363	\$ 836,389	\$ 14,582,381	\$ 11,472,168	\$ 3,110,213
New Hampshire Total Storage	\$ 378,185	\$ 836,645	\$ 933,716	\$ 983,140	\$ 649,063	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,780,749	\$ 3,780,749	\$ -
New Hampshire Total Peaking	\$ 3,450	\$ 772,446	\$ 1,684,032	\$ 1,042,411	\$ 447,024	\$ 3,237	\$ 3,258	\$ 3,290	\$ 3,136	\$ 3,142	\$ 3,847	\$ 4,795	\$ 3,974,066	\$ 3,952,599	\$ 21,467
New Hampshire Inventory Finance Charge	\$ 174	\$ 268	\$ 323	\$ 275	\$ 224	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,378	\$ 1,378	\$ -
Total New Hampshire Sales Variable Costs	\$ 2,282,533	\$ 3,727,626	\$ 4,860,382	\$ 4,010,760	\$ 2,985,700	\$ 1,339,894	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184	\$ 22,338,575	\$ 19,206,895	\$ 3,131,680
New Hampshire Interruptible Commodity Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total New Hampshire Commodity Costs	\$ 2,282,533	\$ 3,727,626	\$ 4,860,382	\$ 4,010,760	\$ 2,985,700	\$ 1,339,894	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184	\$ 22,338,575	\$ 19,206,895	\$ 3,131,680
Supply Cost/Therm															
New Hampshire Sales Pipeline	\$ 0.534	\$ 0.586	\$ 0.654	\$ 0.644	\$ 0.531	\$ 0.382	\$ 0.352	\$ 0.345	\$ 0.347	\$ 0.345	\$ 0.331	\$ 0.349	\$ 0.491	\$ 0.553	\$ 0.346
New Hampshire Storage Excl'd Inventory Finance Costs	\$ 0.313	\$ 0.310	\$ 0.310	\$ 0.310	\$ 0.312	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.311	\$ 0.311	\$ -
New Hampshire Peaking Excl'd Inventory Finance Costs	\$ 0.531	\$ 1.579	\$ 1.093	\$ 1.698	\$ 1.937	\$ 0.570	\$ 0.567	\$ 0.616	\$ 0.616	\$ 0.616	\$ 0.748	\$ 0.774	\$ 1.361	\$ 1.369	\$ 0.658
New Hampshire Inventory Finance Costs per Dth Stor and Peak	\$ 0.000	\$ 0.000	\$ 0.000	\$ 0.000	\$ 0.000	\$ 0.020	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.000	\$ 0.000	\$ -
Weighted Average Cost per Dth Sendout	\$ 0.478	\$ 0.548	\$ 0.609	\$ 0.585	\$ 0.509	\$ 0.383	\$ 0.353	\$ 0.346	\$ 0.348	\$ 0.346	\$ 0.333	\$ 0.351	\$ 0.499	\$ 0.537	\$ 0.347
New Hampshire Interruptible Cost / Therm	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Commodity Costs															
Base Commodity, therms	1,060,655	1,096,010	1,096,010	989,944	1,096,010	1,060,655	1,096,010	1,059,006	1,087,795	1,096,010	1,060,655	1,096,010	12,894,769	6,399,283	6,495,486
Base Commodity Cost	\$ 566,819	\$ 642,109	\$ 716,885	\$ 637,990	\$ 582,380	\$ 405,656	\$ 385,942	\$ 365,567	\$ 377,364	\$ 377,921	\$ 351,180	\$ 383,034	\$ 5,792,848	\$ 3,551,839	\$ 2,241,009
Remaining Commodity	\$ 1,715,714	\$ 3,085,517	\$ 4,143,497	\$ 3,372,770	\$ 2,403,320	\$ 934,237	\$ 295,532	\$ 75,372	\$ 1,371	\$ 4,217	\$ 56,030	\$ 458,150	\$ 16,545,727	\$ 15,655,056	\$ 890,671
Total Commodity	\$ 2,282,533	\$ 3,727,626	\$ 4,860,382	\$ 4,010,760	\$ 2,985,700	\$ 1,339,894	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184	\$ 22,338,575	\$ 19,206,895	\$ 3,131,680

**Northern Utilities - NEW HAMPSHIRE DIVISION
COMMODITY COSTS**

Supply Volumes - Therms	
1 New Hampshire Sales Pipeline	Attachment NUI-CAK-5, LN 2 * LN 46 * 10
2 New Hampshire Sales Storage	Attachment NUI-CAK-5, LN 3 * LN 46 * 10
3 New Hampshire Sales Peaking	Attachment NUI-CAK-5, LN 4 * LN 46 * 10
4 Total New Hampshire Firm Sales Sendout	Sum LN 1 : LN 3
5	
6 New Hampshire Interruptible Sendout (Pipeline)	Attachment NUI-CAK-5, LN 8 * 10
7	
8 Total Firm Sendout	LN 4
9 Total Firm Sales	Attachment NUI-CAK-3, LN 11
10 Difference (LAUF & Company Use)	LN 8 - LN 9
11 Percent Difference	LN 10 / LN 8
12	
Variable Costs	
14 New Hampshire Sales Pipeline Commodity	Attachment NUI-CAK-5, LN 59
15 New Hampshire Total Storage	Attachment NUI-CAK-5, LN 60
16 New Hampshire Total Peaking	Attachment NUI-CAK-5, LN 61
17 New Hampshire Inventory Finance Charge	Attachment NUI-CAK-5, LN 64
18 Total New Hampshire Sales Variable Costs	Sum LN 14 : LN 17
19	
20 New Hampshire Interruptible Commodity Costs	Attachment NUI-CAK-5, LN 30
21 Total New Hampshire Commodity Costs	LN 18 + LN 20
22	
Supply Cost/Therm	
24 New Hampshire Sales Pipeline Commodity	LN 14 / LN 1
25 New Hampshire Storage Excl Inventory Finance Costs	LN 15 / LN 2
26 New Hampshire Peaking Excl Inventory Finance Costs	LN 16 / LN 3
27 New Hampshire Inventory Finance Costs per Dth Stor and Peak	LN 17 / Sum (LN 2 : LN 3)
28 Weighted Average Cost per Dth Sendout	LN 18 / LN 8
29	
30 New Hampshire Interruptible Cost / Therm	LN 20 / LN 6
31	
Commodity Costs	
33 Base Commodity, therms	Attachment NUI-CAK-3, LN 64
34 Base Commodity Cost	Min (LN 24 * LN 33), LN 18
35 Remaining Commodity	LN 21 - LN 34
36 Total Commodity	LN 34 + LN 35

Northern Utilities, Inc.
New Hampshire Division
Attachment NUI-CAK-7
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Northern Utilities, Inc.
Storage Inventory and Activity Costs

Denotes Confidential Information

Tennessee Storage

Month	Beginning Inventory Volume	Injections	Withdrawals	Ending Inventory Volume	Beginning Inventory Cost	Beginning Inventory	Injection Rate	Injected Value	Withdrawal Rate	Withdrawn Value	Ending Inventory Value	Interest Rate	Carrying Costs	Ending Inventory Value Excluding	Withdrawn Value plus Charges
Nov-21	210,132	-	-	210,132	\$ 559,161	\$ 2.66	NA	\$ -	\$ 2.66	\$ -	\$ 559,161	1.30%	\$ 606	\$ 559,161	\$ -
Dec-21	210,132	-	67,442	142,690	\$ 559,161	\$ 2.66	NA	\$ -	\$ 2.66	\$ 179,463	\$ 379,699	1.30%	\$ 509	\$ 379,699	\$ 179,463
Jan-22	142,690	-	67,442	75,248	\$ 379,699	\$ 2.66	NA	\$ -	\$ 2.66	\$ 179,463	\$ 200,236	1.30%	\$ 314	\$ 200,236	\$ 179,463
Feb-22	75,248	-	60,580	14,668	\$ 200,236	\$ 2.66	NA	\$ -	\$ 2.66	\$ 161,204	\$ 39,032	1.30%	\$ 130	\$ 39,032	\$ 161,204
Mar-22	14,668	-	14,668	-	\$ 39,032	\$ 2.66	NA	\$ -	\$ 2.66	\$ 39,032	\$ -	1.30%	\$ 21	\$ -	\$ 39,032
Apr-22	-	-	-	-	\$ -	NA	NA	\$ -	\$ -	\$ -	\$ -	1.30%	\$ -	\$ -	\$ -
May-22	-	42,727	-	42,727	\$ -	NA	\$ 3.13	\$ 133,552	\$ -	\$ -	\$ 133,552	1.30%	\$ 72	\$ 133,552	\$ -
Jun-22	42,727	-	-	42,727	\$ 133,552	\$ 3.13	NA	\$ -	\$ 3.13	\$ -	\$ 133,552	1.30%	\$ 145	\$ 133,552	\$ -
Jul-22	42,727	40,601	-	83,328	\$ 133,552	\$ 3.13	\$ 3.14	\$ 127,441	\$ 3.13	\$ -	\$ 260,992	1.30%	\$ 214	\$ 260,992	\$ -
Aug-22	83,328	42,727	-	126,055	\$ 260,992	\$ 3.13	\$ 3.08	\$ 131,423	\$ 3.11	\$ -	\$ 392,415	1.30%	\$ 354	\$ 392,414	\$ -
Sep-22	126,055	41,349	-	167,405	\$ 392,415	\$ 3.11	\$ 2.83	\$ 117,181	\$ 3.04	\$ -	\$ 509,596	1.30%	\$ 489	\$ 509,595	\$ -
Oct-22	167,405	42,727	-	210,132	\$ 509,596	\$ 3.04	\$ 2.84	\$ 121,256	\$ 3.00	\$ -	\$ 630,852	1.30%	\$ 618	\$ 630,851	\$ -

Union Storage

Month	Beginning Inventory Volume	Injections	Withdrawals	Ending Inventory Volume	Beginning Inventory Cost	Beginning Inventory	Injection Rate	Injected Value	Withdrawal Rate	Withdrawn Value	Ending Inventory Value	Interest Rate	Carrying Costs	Ending Inventory Value Excluding	Withdrawn Value plus Charges
Nov-21	3,241,066	-	344,586	2,896,480	\$ 9,716,716	\$ 3.00	NA	\$ -	\$ 3.00	\$ 1,033,068	\$ 8,683,648			\$ 8,683,648	\$ 1,033,068
Dec-21	2,896,480	-	685,851	2,210,629	\$ 8,683,648	\$ 3.00	NA	\$ -	\$ 3.00	\$ 2,056,182	\$ 6,627,466			\$ 6,627,466	\$ 2,056,182
Jan-22	2,210,629	-	771,425	1,439,204	\$ 6,627,466	\$ 3.00	NA	\$ -	\$ 3.00	\$ 2,312,733	\$ 4,314,733			\$ 4,314,733	\$ 2,312,733
Feb-22	1,439,204	-	836,366	602,838	\$ 4,314,733	\$ 3.00	NA	\$ -	\$ 3.00	\$ 2,507,425	\$ 1,807,308			\$ 1,807,308	\$ 2,507,425
Mar-22	602,838	-	602,838	-	\$ 1,807,308	\$ 3.00	NA	\$ -	\$ 3.00	\$ 1,807,308	\$ -			\$ -	\$ 1,807,308
Apr-22	-	-	-	-	\$ -	#DIV/0!	NA	\$ -	#DIV/0!	\$ -	\$ -			\$ -	\$ -
May-22	-	749,027	-	749,027	\$ -	#DIV/0!	\$ 3.66	\$ 2,741,099	\$ 3.66	\$ -	\$ 2,741,099			\$ 2,741,099	\$ -
Jun-22	749,027	724,865	-	1,473,891	\$ 2,741,099	\$ 3.66	\$ 3.67	\$ 2,662,881	\$ 3.67	\$ -	\$ 5,403,980			\$ 5,403,980	\$ -
Jul-22	1,473,891	-	-	1,473,891	\$ 5,403,980	\$ 3.67	NA	\$ -	\$ 3.67	\$ -	\$ 5,403,980			\$ 5,403,980	\$ -
Aug-22	1,473,891	293,283	-	1,767,175	\$ 5,403,980	\$ 3.67	\$ 3.68	\$ 1,078,004	\$ 3.67	\$ -	\$ 6,481,984			\$ 6,481,984	\$ -
Sep-22	1,767,175	724,865	-	2,492,039	\$ 6,481,984	\$ 3.67	\$ 3.66	\$ 2,656,322	\$ 3.67	\$ -	\$ 9,138,306			\$ 9,138,306	\$ -
Oct-22	2,492,039	749,027	-	3,241,066	\$ 9,138,306	\$ 3.67	\$ -	\$ 2,752,370	\$ 3.67	\$ -	\$ 11,890,676			\$ 11,890,676	\$ -

LNG Storage

Month	Beginning Inventory Volume	Injections	Withdrawals	Ending Inventory Volume	Beginning Inventory Cost	Beginning Inventory	Injection Rate	Injected Value	Withdrawal Rate	Withdrawn Value	Ending Inventory Value	Interest Rate	Carrying Costs	Ending Inventory Value Excluding	Withdrawn Value plus Charges
Nov-21	12,000	-	1,794	10,206											
Dec-21	10,206	-	1,854	8,352											
Jan-22	8,352	-	1,854	6,498											
Feb-22	6,498	-	1,674	4,824											
Mar-22	4,824	1,830	1,854	4,800											
Apr-22	4,800	8,994	1,794	12,000											
May-22	12,000	1,860	1,860	12,000											
Jun-22	12,000	1,800	1,800	12,000											
Jul-22	12,000	-	1,860	10,140											
Aug-22	10,140	-	1,860	8,280											
Sep-22	8,280	5,520	1,800	12,000											
Oct-22	12,000	1,860	1,860	12,000											

Northern Utilities - NEW HAMPSHIRE DIVISION
Allocation of Commodity Costs to Customer Classes

Base Commodity Costs

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
1 BASE SENDOUT BY CLASS															
2 Total Therms															
3 Res Heat	421,743	435,801	435,801	393,627	435,801	421,743	435,801	421,743	432,738	435,801	421,743	435,801	5,128,145	2,544,517	2,583,628
4 Res General	9,593	9,913	9,913	8,953	9,913	9,593	9,913	9,593	9,843	9,913	9,593	9,913	116,644	57,877	58,767
5 G50 Low Annual-Low Winter	79,626	82,281	82,281	74,318	82,281	79,626	82,281	79,626	81,702	82,281	79,626	82,281	968,209	480,412	487,797
6 G40 Low Annual-High Winter	159,790	165,116	165,116	149,137	165,116	159,790	165,116	159,790	163,956	165,116	159,790	165,116	1,942,950	964,066	978,884
7 G51 Med Annual-Low Winter	119,834	123,828	123,828	111,845	123,828	119,834	123,828	119,834	122,958	123,828	119,834	123,828	1,457,105	722,996	734,109
8 G41 Med Annual-High Winter	168,972	174,604	174,604	157,707	174,604	168,972	174,604	168,972	173,377	174,604	168,972	174,604	2,054,595	1,019,463	1,035,133
9 G52 High Annual-Low Winter	48,108	49,712	49,712	44,901	49,712	48,108	49,712	46,460	48,804	49,712	48,108	49,712	582,759	290,257	292,507
10 G42 High Annual-High Winter	52,989	54,755	54,755	49,456	54,755	52,989	54,755	52,989	54,419	54,755	52,989	54,755	644,362	319,700	324,662
11 Total Firm Sales	1,060,655	1,096,010	1,096,010	989,944	1,096,010	1,060,655	1,096,010	1,059,006	1,087,795	1,096,010	1,060,655	1,096,010	12,894,769	6,399,283	6,495,486
12 % of Total															
13 Res Heat	39.76%	39.76%	39.76%	39.76%	39.76%	39.76%	39.76%	39.82%	39.78%	39.76%	39.76%	39.76%			
14 Res General	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.90%	0.91%	0.90%	0.90%	0.90%	0.90%			
15 G50 Low Annual-Low Winter	7.51%	7.51%	7.51%	7.51%	7.51%	7.51%	7.51%	7.52%	7.51%	7.51%	7.51%	7.51%			
16 G40 Low Annual-High Winter	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.07%	15.09%	15.07%	15.07%	15.07%	15.07%			
17 G51 Med Annual-Low Winter	11.30%	11.30%	11.30%	11.30%	11.30%	11.30%	11.30%	11.32%	11.30%	11.30%	11.30%	11.30%			
18 G41 Med Annual-High Winter	15.93%	15.93%	15.93%	15.93%	15.93%	15.93%	15.93%	15.96%	15.94%	15.93%	15.93%	15.93%			
19 G52 High Annual-Low Winter	4.54%	4.54%	4.54%	4.54%	4.54%	4.54%	4.54%	4.39%	4.49%	4.54%	4.54%	4.54%			
20 G42 High Annual-High Winter	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%			
21 Total Firm Sales	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%			

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
22 BASE COMMODITY COSTS															
23 TOTAL BASE COMMODITY	\$ 566,819	\$ 642,109	\$ 716,885	\$ 637,990	\$ 582,380	\$ 405,656	\$ 385,942	\$ 365,567	\$ 377,364	\$ 377,921	\$ 351,180	\$ 383,034	\$ 5,792,848	\$ 3,551,839	\$ 2,241,009
24 Res Heat	\$ 225,381	\$ 255,319	\$ 285,052	\$ 253,681	\$ 231,569	\$ 161,299	\$ 153,460	\$ 145,585	\$ 150,120	\$ 150,271	\$ 139,638	\$ 152,304	\$ 2,303,679	\$ 1,412,301	\$ 891,378
25 Res General	\$ 5,127	\$ 5,807	\$ 6,484	\$ 5,770	\$ 5,267	\$ 3,669	\$ 3,491	\$ 3,311	\$ 3,415	\$ 3,418	\$ 3,176	\$ 3,464	\$ 52,399	\$ 32,124	\$ 20,275
26 G50 Low Annual-Low Winter	\$ 42,553	\$ 48,205	\$ 53,819	\$ 47,896	\$ 43,721	\$ 30,454	\$ 28,974	\$ 27,487	\$ 28,343	\$ 28,372	\$ 26,364	\$ 28,755	\$ 434,942	\$ 266,647	\$ 168,295
27 G40 Low Annual-High Winter	\$ 85,392	\$ 96,735	\$ 108,000	\$ 96,115	\$ 87,737	\$ 61,113	\$ 58,143	\$ 55,159	\$ 56,877	\$ 56,935	\$ 52,906	\$ 57,705	\$ 872,817	\$ 535,092	\$ 337,725
28 G51 Med Annual-Low Winter	\$ 64,040	\$ 72,546	\$ 80,994	\$ 72,081	\$ 65,798	\$ 45,831	\$ 43,604	\$ 41,366	\$ 42,655	\$ 42,698	\$ 39,677	\$ 43,276	\$ 654,565	\$ 401,289	\$ 253,275
29 G41 Med Annual-High Winter	\$ 90,299	\$ 102,294	\$ 114,206	\$ 101,637	\$ 92,778	\$ 64,625	\$ 61,484	\$ 58,329	\$ 60,146	\$ 60,206	\$ 55,946	\$ 61,021	\$ 922,971	\$ 565,840	\$ 357,132
30 G52 High Annual-Low Winter	\$ 25,709	\$ 29,124	\$ 32,516	\$ 28,937	\$ 26,415	\$ 18,399	\$ 17,505	\$ 16,038	\$ 16,931	\$ 17,141	\$ 15,928	\$ 17,373	\$ 262,017	\$ 161,101	\$ 100,917
31 G42 High Annual-High Winter	\$ 28,317	\$ 32,079	\$ 35,815	\$ 31,873	\$ 29,095	\$ 20,266	\$ 19,281	\$ 18,292	\$ 18,878	\$ 18,880	\$ 17,544	\$ 19,136	\$ 289,457	\$ 177,445	\$ 112,012
32															
33 Residential	\$ 230,508	\$ 261,126	\$ 291,535	\$ 259,451	\$ 236,836	\$ 164,968	\$ 156,951	\$ 148,896	\$ 153,534	\$ 153,689	\$ 142,814	\$ 155,768	\$ 2,356,079	\$ 1,444,425	\$ 911,654
34 SALES HLF CLASSES	\$ 132,301	\$ 149,875	\$ 167,329	\$ 148,914	\$ 135,934	\$ 94,684	\$ 90,083	\$ 84,891	\$ 87,928	\$ 88,211	\$ 81,969	\$ 89,404	\$ 1,351,524	\$ 829,037	\$ 522,487
35 SALES LLF CLASSES	\$ 204,009	\$ 231,108	\$ 258,021	\$ 229,625	\$ 209,610	\$ 146,004	\$ 138,908	\$ 131,780	\$ 135,901	\$ 136,021	\$ 126,397	\$ 137,862	\$ 2,085,246	\$ 1,278,377	\$ 806,869

Northern Utilities - NEW HAMPSHIRE DIVISION
Allocation of Commodity Costs to Customer Classes

Base Commodity Costs

1	BASE SENDOUT BY CLASS	
2	Total Therms	
3	Res Heat	Attachment NUI-CAK-3, LN 52
4	Res General	Attachment NUI-CAK-3, LN 53
5	G50 Low Annual-Low Winter	Attachment NUI-CAK-3, LN 54
6	G40 Low Annual-High Winter	Attachment NUI-CAK-3, LN 55
7	G51 Med Annual-Low Winter	Attachment NUI-CAK-3, LN 56
8	G41 Med Annual-High Winter	Attachment NUI-CAK-3, LN 57
9	G52 High Annual-Low Winter	Attachment NUI-CAK-3, LN 58
10	G42 High Annual-High Winter	Attachment NUI-CAK-3, LN 59
11	Total Firm Sales	Sum LN 3 : LN 10
12	% of Total	
13	Res Heat	LN 3 / LN 11
14	Res General	LN 4 / LN 11
15	G50 Low Annual-Low Winter	LN 5 / LN 11
16	G40 Low Annual-High Winter	LN 6 / LN 11
17	G51 Med Annual-Low Winter	LN 7 / LN 11
18	G41 Med Annual-High Winter	LN 8 / LN 11
19	G52 High Annual-Low Winter	LN 9 / LN 11
20	G42 High Annual-High Winter	LN 10 / LN 11
21	Total Firm Sales	Sum LN 13 : LN 20
22	BASE COMMODITY COSTS	
23	TOTAL BASE COMMODITY	Attachment NUI-CAK-6, LN 34
24	Res Heat	LN 23 * LN 13
25	Res General	LN 23 * LN 14
26	G50 Low Annual-Low Winter	LN 23 * LN 15
27	G40 Low Annual-High Winter	LN 23 * LN 16
28	G51 Med Annual-Low Winter	LN 23 * LN 17
29	G41 Med Annual-High Winter	LN 23 * LN 18
30	G52 High Annual-Low Winter	LN 23 * LN 19
31	G42 High Annual-High Winter	LN 23 * LN 20
32		
33	Residential	LN 24 + LN 25
34	SALES HLF CLASSES	LN 26 + LN 28 + LN 30
35	SALES LLF CLASSES	LN 27 + LN 29 + LN 31

Northern Utilities - NEW HAMPSHIRE DIVISION
Allocation of Commodity Costs to Customer Classes

Remaining Commodity Costs

REMAINING SENDOUT BY CLASS	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
Total Therms															
Res Heat	1,821,127	2,781,171	3,329,231	2,837,545	2,318,857	1,199,662	348,133	90,340	-	3,064	65,245	546,496	15,340,872	14,287,594	1,053,279
Res General	11,022	19,655	24,693	20,745	15,406	5,310	7,919	2,055	-	70	1,484	12,431	120,789	96,831	23,958
G50 Low Annual-Low Winter	40,194	89,579	118,858	98,300	64,881	6,994	65,729	17,056	-	578	12,319	103,180	617,667	418,805	198,862
G40 Low Annual-High Winter	983,065	1,474,093	1,753,357	1,497,307	1,238,520	666,397	131,900	34,228	-	1,161	24,720	207,056	8,011,804	7,612,738	399,066
G51 Med Annual-Low Winter	78,785	161,053	209,586	174,293	120,112	23,751	98,918	25,669	-	870	18,539	155,281	1,066,858	767,580	299,277
G41 Med Annual-High Winter	670,473	1,029,421	1,234,544	1,051,632	856,389	437,876	139,480	36,195	-	1,227	26,141	218,954	5,702,332	5,280,335	421,997
G52 High Annual-Low Winter	6,473	3,077	9,625	12,441	9,344	5,998	3,695	-	-	908	843	4,236	56,640	46,958	9,682
G42 High Annual-High Winter	101,047	151,451	204,138	178,143	148,081	93,650	39,973	8,610	-	336	13,464	55,781	994,676	876,512	118,164
Total Firm Sales	3,712,185	5,709,500	6,884,032	5,870,407	4,771,592	2,439,637	835,747	214,153	-	8,214	162,755	1,303,416	31,911,637	29,387,353	2,524,285
% of Total															
Res Heat	49.06%	48.71%	48.36%	48.34%	48.60%	49.17%	41.66%	42.18%	37.30%	37.30%	40.09%	41.93%			
Res General	0.30%	0.34%	0.36%	0.35%	0.32%	0.22%	0.95%	0.85%	0.85%	0.85%	0.91%	0.95%			
G50 Low Annual-Low Winter	1.08%	1.57%	1.73%	1.67%	1.36%	0.29%	7.86%	7.96%	7.04%	7.04%	7.57%	7.92%			
G40 Low Annual-High Winter	26.48%	25.82%	25.47%	25.51%	25.96%	27.32%	15.78%	15.98%	14.13%	14.13%	15.19%	15.89%			
G51 Med Annual-Low Winter	2.12%	2.82%	3.04%	2.97%	2.52%	0.97%	11.84%	11.99%	10.60%	10.60%	11.39%	11.91%			
G41 Med Annual-High Winter	18.06%	18.03%	17.93%	17.91%	17.95%	17.95%	16.69%	16.90%	14.94%	14.94%	16.06%	16.80%			
G52 High Annual-Low Winter	0.17%	0.05%	0.14%	0.21%	0.20%	0.44%	0.00%	11.05%	11.05%	11.05%	0.52%	0.33%			
G42 High Annual-High Winter	2.72%	2.65%	2.97%	3.03%	3.10%	3.84%	4.78%	4.02%	4.10%	4.10%	8.27%	4.28%			
Total Firm Sales	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%			

REMAINING COMMODITY COSTS	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
REMAINING COMMODITY															
Res Heat	\$ 1,715,714	\$ 3,085,517	\$ 4,143,497	\$ 3,372,770	\$ 2,403,320	\$ 934,237	\$ 295,532	\$ 75,372	\$ 1,371	\$ 4,217	\$ 56,030	\$ 458,150	\$ 16,545,727	\$ 15,655,056	\$ 890,671
Res General	\$ 841,696	\$ 1,502,995	\$ 2,003,864	\$ 1,630,276	\$ 1,167,945	\$ 459,400	\$ 123,105	\$ 31,796	\$ 511	\$ 1,573	\$ 22,462	\$ 192,093	\$ 7,977,716	\$ 7,606,177	\$ 371,539
G50 Low Annual-Low Winter	\$ 5,094	\$ 10,622	\$ 14,862	\$ 11,919	\$ 7,760	\$ 2,033	\$ 2,800	\$ 723	\$ 12	\$ 36	\$ 511	\$ 4,369	\$ 60,741	\$ 52,290	\$ 8,451
G40 Low Annual-High Winter	\$ 18,577	\$ 48,410	\$ 71,540	\$ 56,477	\$ 32,679	\$ 2,678	\$ 23,243	\$ 6,003	\$ 97	\$ 297	\$ 4,241	\$ 36,268	\$ 300,509	\$ 230,361	\$ 70,148
G51 Med Annual-Low Winter	\$ 454,357	\$ 796,626	\$ 1,055,345	\$ 860,259	\$ 623,809	\$ 255,191	\$ 46,642	\$ 12,047	\$ 194	\$ 596	\$ 8,510	\$ 72,780	\$ 4,186,356	\$ 4,045,587	\$ 140,769
G41 Med Annual-High Winter	\$ 36,413	\$ 87,036	\$ 126,150	\$ 100,138	\$ 60,497	\$ 9,095	\$ 34,979	\$ 9,034	\$ 145	\$ 447	\$ 6,382	\$ 54,581	\$ 524,898	\$ 419,329	\$ 105,569
G42 High Annual-High Winter	\$ 309,882	\$ 556,317	\$ 743,072	\$ 604,202	\$ 431,340	\$ 167,681	\$ 49,322	\$ 12,739	\$ 205	\$ 630	\$ 8,999	\$ 76,962	\$ 2,961,352	\$ 2,812,494	\$ 148,857
G52 High Annual-Low Winter	\$ 2,992	\$ 1,663	\$ 5,793	\$ 7,148	\$ 4,707	\$ 2,297	\$ 1,307	\$ -	\$ 151	\$ 466	\$ 290	\$ 1,489	\$ 28,302	\$ 24,599	\$ 3,703
G42 High Annual-High Winter	\$ 46,702	\$ 81,847	\$ 122,871	\$ 102,350	\$ 74,585	\$ 35,862	\$ 14,135	\$ 3,030	\$ 56	\$ 173	\$ 4,635	\$ 19,607	\$ 505,853	\$ 464,217	\$ 41,636
Residential	\$ 846,791	\$ 1,513,617	\$ 2,018,726	\$ 1,642,195	\$ 1,175,705	\$ 461,433	\$ 125,905	\$ 32,519	\$ 523	\$ 1,608	\$ 22,972	\$ 196,462	\$ 8,038,457	\$ 7,658,467	\$ 379,990
SALES HLF CLASSES	\$ 57,982	\$ 137,109	\$ 203,484	\$ 163,763	\$ 97,882	\$ 14,070	\$ 59,528	\$ 15,037	\$ 393	\$ 1,210	\$ 10,913	\$ 92,338	\$ 853,710	\$ 674,290	\$ 179,420
SALES LLF CLASSES	\$ 810,942	\$ 1,434,791	\$ 1,921,288	\$ 1,566,811	\$ 1,129,733	\$ 458,734	\$ 110,099	\$ 27,816	\$ 455	\$ 1,399	\$ 22,145	\$ 169,349	\$ 7,653,561	\$ 7,322,299	\$ 331,262

Total Commodity Costs

TOTAL COMMODITY COSTS	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Annual	Winter	Summer
TOTAL COMMODITY															
Res Heat	\$ 2,282,533	\$ 3,727,626	\$ 4,860,382	\$ 4,010,760	\$ 2,985,700	\$ 1,339,894	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184	\$ 22,338,575	\$ 19,206,895	\$ 3,131,680
Res General	\$ 1,067,078	\$ 1,758,314	\$ 2,288,915	\$ 1,883,957	\$ 1,399,514	\$ 620,699	\$ 276,565	\$ 177,381	\$ 150,631	\$ 151,844	\$ 162,100	\$ 344,397	\$ 10,281,395	\$ 9,018,478	\$ 1,262,917
G50 Low Annual-Low Winter	\$ 10,221	\$ 16,430	\$ 21,346	\$ 17,689	\$ 13,027	\$ 5,702	\$ 6,291	\$ 4,035	\$ 3,426	\$ 3,454	\$ 3,687	\$ 7,834	\$ 113,141	\$ 84,415	\$ 28,726
G40 Low Annual-High Winter	\$ 61,130	\$ 96,615	\$ 125,359	\$ 104,373	\$ 76,400	\$ 33,132	\$ 52,216	\$ 33,490	\$ 28,440	\$ 28,669	\$ 30,605	\$ 65,023	\$ 735,451	\$ 497,008	\$ 238,443
G51 Med Annual-Low Winter	\$ 539,750	\$ 893,361	\$ 1,163,345	\$ 956,374	\$ 711,546	\$ 316,304	\$ 104,785	\$ 67,206	\$ 57,071	\$ 57,530	\$ 61,416	\$ 130,485	\$ 5,059,173	\$ 4,580,679	\$ 478,494
G41 Med Annual-High Winter	\$ 100,453	\$ 159,582	\$ 207,144	\$ 172,219	\$ 126,295	\$ 54,927	\$ 78,583	\$ 50,401	\$ 42,800	\$ 43,145	\$ 46,059	\$ 97,857	\$ 1,179,463	\$ 820,619	\$ 358,844
G42 High Annual-High Winter	\$ 400,181	\$ 658,611	\$ 857,278	\$ 705,840	\$ 524,118	\$ 232,305	\$ 110,806	\$ 71,068	\$ 60,350	\$ 60,836	\$ 64,945	\$ 137,983	\$ 3,884,323	\$ 3,378,334	\$ 505,989
G52 High Annual-Low Winter	\$ 28,701	\$ 30,787	\$ 38,309	\$ 36,085	\$ 31,122	\$ 20,696	\$ 18,812	\$ 16,038	\$ 17,082	\$ 17,607	\$ 16,219	\$ 18,862	\$ 290,320	\$ 185,700	\$ 104,620
G42 High Annual-High Winter	\$ 75,020	\$ 113,926	\$ 158,685	\$ 134,223	\$ 103,679	\$ 56,129	\$ 33,416	\$ 21,322	\$ 18,934	\$ 19,053	\$ 22,180	\$ 38,743	\$ 795,310	\$ 641,662	\$ 153,648
Residential	\$ 1,077,298	\$ 1,774,744	\$ 2,310,261	\$ 1,901,646	\$ 1,412,541	\$ 626,401	\$ 282,856	\$ 181,415	\$ 154,057	\$ 155,298	\$ 165,787	\$ 352,231	\$ 10,394,536	\$ 9,102,892	\$ 1,291,644
SALES HLF CLASSES	\$ 190,283	\$ 286,984	\$ 370,812	\$ 312,677	\$ 233,816	\$ 108,754	\$ 149,611	\$ 99,928	\$ 88,322	\$ 89,420	\$ 92,882	\$ 181,742	\$ 2,205,233	\$ 1,503,327	\$ 701,906
SALES LLF CLASSES	\$ 1,014,951	\$ 1,665,899	\$ 2,179,309	\$ 1,796,437	\$ 1,339,343	\$ 604,738	\$ 249,007	\$ 159,595	\$ 136,356	\$ 137,420	\$ 148,541	\$ 307,211	\$ 9,738,806	\$ 8,600,676	\$ 1,138,131
% ALLOCATION BETWEEN HLF & LLF															
HLF CLASSES%														14.88%	38.15%
LLF CLASSES %														85.12%	61.85%

Northern Utilities - NEW HAMPSHIRE DIVISION
Allocation of Commodity Costs to Customer Classes

Remaining Commodity Costs

36	REMAINING SENDOUT BY CLASS	
37	Total Therms	
38	Res Heat	Attachment NUI-CAK-3, LN 68
39	Res General	Attachment NUI-CAK-3, LN 69
40	G50 Low Annual-Low Winter	Attachment NUI-CAK-3, LN 70
41	G40 Low Annual-High Winter	Attachment NUI-CAK-3, LN 71
42	G51 Med Annual-Low Winter	Attachment NUI-CAK-3, LN 72
43	G41 Med Annual-High Winter	Attachment NUI-CAK-3, LN 73
44	G52 High Annual-Low Winter	Attachment NUI-CAK-3, LN 74
45	G42 High Annual-High Winter	Attachment NUI-CAK-3, LN 75
46	Total Firm Sales	Sum LN 38 : LN 45
47	% of Total	
48	Res Heat	LN 38 / LN 46
49	Res General	LN 39 / LN 46
50	G50 Low Annual-Low Winter	LN 40 / LN 46
51	G40 Low Annual-High Winter	LN 41 / LN 46
52	G51 Med Annual-Low Winter	LN 42 / LN 46
53	G41 Med Annual-High Winter	LN 43 / LN 46
54	G52 High Annual-Low Winter	LN 44 / LN 46
55	G42 High Annual-High Winter	LN 45 / LN 46
56	Total Firm Sales	Sum LN 62 : LN 69

57	REMAINING COMMODITY COSTS	
58	REMAINING COMMODITY	Attachment NUI-CAK-6, LN 35
59	Res Heat	LN 58 * LN 48
60	Res General	LN 58 * LN 49
61	G50 Low Annual-Low Winter	LN 58 * LN 50
62	G40 Low Annual-High Winter	LN 58 * LN 51
63	G51 Med Annual-Low Winter	LN 58 * LN 52
64	G41 Med Annual-High Winter	LN 58 * LN 53
65	G52 High Annual-Low Winter	LN 58 * LN 54
66	G42 High Annual-High Winter	LN 58 * LN 55
67		
68	Residential	LN 59 + LN 60
69	SALES HLF CLASSES	LN 61 + LN 63 + LN 65
70	SALES LLF CLASSES	LN 62 + LN 64 + LN 66

Total Commodity Costs

71	TOTAL COMMODITY COSTS	
72	TOTAL COMMODITY	Attachment NUI-CAK-6, LN 36
73	Res Heat	LN 24 + LN 59
74	Res General	LN 25 + LN 60
75	G50 Low Annual-Low Winter	LN 26 + LN 61
76	G40 Low Annual-High Winter	LN 27 + LN 62
77	G51 Med Annual-Low Winter	LN 28 + LN 63
78	G41 Med Annual-High Winter	LN 29 + LN 64
79	G52 High Annual-Low Winter	LN 30 + LN 65
80	G42 High Annual-High Winter	LN 31 + LN 66
81		
82	Residential	LN 73 + LN 74
83	SALES HLF CLASSES	LN 75 + LN 77 + LN 79
84	SALES LLF CLASSES	LN 76 + LN 78 + LN 80

Northern Utilities - NEW HAMPSHIRE DIVISION
Supporting Detail to Proposed Tariff Sheets
Demand and Commodity Cost Reallocation to HLF and LLF Customers

	Winter	Summer	Annual	
1 Demand	\$ 12,798,284	\$ 1,354,125	\$ 14,152,409	Attachment NUI-CAK-2, LN 80
2 Commodity	\$ 19,206,895	\$ 3,131,680	\$ 22,338,575	Attachment NUI-CAK-6, LN 36
3 Total	\$ 32,005,179	\$ 4,485,805	\$ 36,490,984	LN 1 + LN 2
4				
5 Forecasted Firm Sales (Therms)	35,339,329	8,907,030	44,246,359	Attachment NUI-CAK-3, LN 11
6 Forecasted Residential Sales (Therms)	16,774,496	3,673,138	20,447,634	Attachment NUI-CAK-3, LN 3
7 Average Residential Rate:	Winter	Summer	Annual	
8 Average Demand Rate	\$0.3622	\$0.1520		LN 1 / LN 5
9 Average Commodity Rate	\$0.5435	\$0.3516		LN 2 / LN 5
10 Average Rate	\$0.9057	\$0.5036		LN 3 / LN 5
11				
12 Residential Reallocation:	Winter	Summer	Annual	
13 Demand Costs Allocated To Residential per SMBA	\$ 6,230,944	\$ 599,654	\$ 6,830,599	Attachment NUI-CAK-4, LN 169
14 Demand Costs Allocated To Residential per Avg Res. Rate	\$ 6,074,953	\$ 558,317	\$ 6,633,270	LN 8 * LN 6
15 Demand Reallocation:	\$ 155,991	\$ 41,337	\$ 197,329	LN 13 - LN 14
16 HLF Allocation	\$ 15,887	\$ 11,258	\$ 27,144	LN 15 * LN 20
17 LLF Allocation	\$ 140,104	\$ 30,080	\$ 170,184	LN 15 * LN 21
18				
19 SMBA Capacity Cost Allocation (%)				
20 HLF	10.18%	27.23%		Attachment NUI-CAK-4, LN 174
21 LLF	89.82%	72.77%		Attachment NUI-CAK-4, LN 175
22				
23 Commodity Costs Allocated To Residential per SMBA	\$ 9,102,892	\$ 1,291,644	\$ 10,394,536	Attachment NUI-CAK-8, LN 82
24 Commodity Costs Allocated To Residential per Avg Res. Rate	\$ 9,116,924	\$ 1,291,475	\$ 10,408,399	LN 9 * LN 6
25 Commodity Reallocation:	\$ (14,032)	\$ 168	\$ (13,864)	LN 23 - LN 24
26 HLF Allocation	\$ (2,088)	\$ 64	\$ (2,024)	LN 25 * LN 30
27 LLF Allocation	\$ (11,944)	\$ 104	\$ (11,840)	LN 25 * LN 31
28				
29 SMBA Commodity Cost Allocation (%)				
30 HLF	14.88%	38.15%		Attachment NUI-CAK-8, LN 87
31 LLF	85.12%	61.85%		Attachment NUI-CAK-8, LN 88

Northern Utilities Inc.
Calculation of Bad Debt Expense

1	Actual Bad Debt Expense 12 Months Ended July 31, 2021			
2				
3	Total	\$	458,671	Company Analysis
4	Distribution	\$	284,549	Company Analysis
5	Distribution (%)		62.04%	LN 4 / LN 3
6	Non-Distribution	\$	174,123	Company Analysis
7	Non-Distribution(%)		37.96%	LN 6 / LN 3
8				
9	Winter Demand Cost %		90.43%	Attachment NUI-CAK-2
10	Summer Demand Cost %		9.57%	Attachment NUI-CAK-2
11				
12	Forecast Bad Debt Expense 12 Months Ended December 31, 2022			*
13				
14	Annual Total	\$	400,000	Company Forecast
15	Annual Non-Distribution	\$	151,850	LN 14 * LN 7
16	Winter Non-Distribution	\$	137,320	LN 15 * LN 9
17	Summer Non-Distribution	\$	14,529	LN 15 * LN 10

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

Sales Revenues	Oct-21	Winter						Summer					
		(Forecast) Nov-21	(Forecast) Dec-21	(Forecast) Jan-22	(Forecast) Feb-22	(Forecast) Mar-22	(Forecast) Apr-22	(Forecast) May-22	(Forecast) Jun-22	(Forecast) Jul-22	(Forecast) Aug-22	(Forecast) Sep-22	(Forecast) Oct-22
Volumes													
Residential Heat & Non Heat		2,235,193	3,205,961	3,752,145	3,220,112	2,745,230	1,615,855	791,744	517,185	437,049	443,237	491,840	992,084
Sales HLF Classes		368,357	503,160	586,466	509,647	444,531	280,756	418,861	285,038	250,296	254,950	275,778	512,036
Sales LLF Classes		2,109,633	3,011,324	3,541,686	3,044,843	2,604,500	1,559,929	697,006	455,024	386,854	392,235	440,500	865,314
Total		4,713,183	6,720,446	7,880,297	6,774,602	5,794,261	3,456,540	1,907,611	1,257,246	1,074,199	1,090,422	1,208,118	2,369,434
Rates													
Residential Heat & Non Heat CGA		\$ 0.9392	\$ 0.9392	\$ 0.9392	\$ 0.9392	\$ 0.9392	\$ 0.9392	\$ 0.5176	\$ 0.5176	\$ 0.5176	\$ 0.5176	\$ 0.5176	\$ 0.5176
Sales HLF Classes CGA		\$ 0.8453	\$ 0.8453	\$ 0.8453	\$ 0.8453	\$ 0.8453	\$ 0.8453	\$ 0.4740	\$ 0.4740	\$ 0.4740	\$ 0.4740	\$ 0.4740	\$ 0.4740
Sales LLF Classes CGA		\$ 0.9551	\$ 0.9551	\$ 0.9551	\$ 0.9551	\$ 0.9551	\$ 0.9551	\$ 0.5445	\$ 0.5445	\$ 0.5445	\$ 0.5445	\$ 0.5445	\$ 0.5445
Revenues													
Residential Heat & Non Heat		\$ (2,099,293)	\$ (3,011,039)	\$ (3,524,015)	\$ (3,024,329)	\$ (2,578,320)	\$ (1,517,611)	\$ (409,807)	\$ (267,695)	\$ (226,216)	\$ (229,419)	\$ (254,576)	\$ (513,503)
Sales HLF Classes		\$ (311,373)	\$ (425,321)	\$ (495,740)	\$ (430,805)	\$ (375,762)	\$ (237,323)	\$ (198,540)	\$ (135,108)	\$ (118,640)	\$ (120,846)	\$ (130,719)	\$ (242,705)
Sales LLF Classes		\$ (2,014,910)	\$ (2,876,116)	\$ (3,382,664)	\$ (2,908,129)	\$ (2,487,558)	\$ (1,489,888)	\$ (379,520)	\$ (247,760)	\$ (210,642)	\$ (213,572)	\$ (239,852)	\$ (471,164)
Total Sales		\$ (4,425,576)	\$ (6,312,476)	\$ (7,402,419)	\$ (6,363,263)	\$ (5,441,640)	\$ (3,244,823)	\$ (987,867)	\$ (650,563)	\$ (555,499)	\$ (563,838)	\$ (625,147)	\$ (1,227,371)

Gas Costs and Credits	Oct-21	Winter						Summer					
		(Forecast) Nov-21	(Forecast) Dec-21	(Forecast) Jan-22	(Forecast) Feb-22	(Forecast) Mar-22	(Forecast) Apr-22	(Forecast) May-22	(Forecast) Jun-22	(Forecast) Jul-22	(Forecast) Aug-22	(Forecast) Sep-22	(Forecast) Oct-22
Demand Costs (net of Capacity Assignment)													
Pipeline		\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451	\$ 455,451
Storage		\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421	\$ 644,421
On-system Peaking		\$ 208,007	\$ 208,007	\$ 208,007	\$ 208,007	\$ 208,007	\$ 97,714	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975	\$ 16,975
Off-System Peaking		\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646	\$ 312,646
Total Demand Costs		\$ 1,620,524	\$ 1,620,524	\$ 1,620,524	\$ 1,620,524	\$ 1,620,524	\$ 1,510,232	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493	\$ 1,429,493
Asset Management and Capacity Release													
NUI AMA Revenue		\$ (810,930)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)	\$ (826,470)
NUI Capacity Release								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NUI AMA Rev & Cap. Release Subtotal								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
NH AMA Revenue		\$ (333,866)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)
NH Capacity Release													
NH Total Asset Management and Capacity Release		\$ (333,866)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)	\$ (340,264)
Outage Replacement		\$ 7,067	\$ 7,067	\$ 7,067	\$ 7,067	\$ 7,067	\$ 7,067	\$ 328	\$ 328	\$ 328	\$ 328	\$ 328	\$ 328
Re-entry Rate & Conversion Rate Revenue		\$ (1,000)	\$ (1,000)	\$ (1,000)	\$ (1,000)	\$ (1,000)		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Net Demand Costs		\$ 1,292,725	\$ 1,286,327	\$ 1,286,327	\$ 1,286,327	\$ 1,286,327	\$ 1,177,035	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556	\$ 1,089,556
NUI Commodity Costs													
NUI Total Pipeline Volumes		982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859
Pipeline Costs Modeled in Sendout™		\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274
NYMEX Price Used for Forecast		\$ 5.3050	\$ 5.3980	\$ 5.4650	\$ 5.3700	\$ 5.0130	\$ 3.9390	\$ 3.8100	\$ 3.8390	\$ 3.8710	\$ 3.8790	\$ 3.8630	\$ 3.8900
NYMEX Price Used for Update		\$ 5.3050	\$ 5.3980	\$ 5.4650	\$ 5.3700	\$ 5.0130	\$ 3.9390	\$ 3.8100	\$ 3.8390	\$ 3.8710	\$ 3.8790	\$ 3.8630	\$ 3.8900
Increase/(Decrease) NYMEX Price		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Increase/(Decrease) in Pipeline Costs		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Updated Pipeline Costs		\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274
New Hampshire Allocated Percentage		36.21%	36.93%	36.99%	36.38%	34.75%	31.67%	30.87%	29.65%	27.35%	27.40%	28.59%	33.29%
NH Updated Pipeline Costs		\$ 1,900,723	\$ 2,118,268	\$ 2,242,311	\$ 1,984,934	\$ 1,889,389	\$ 1,336,543	\$ 678,216	\$ 437,649	\$ 375,599	\$ 378,996	\$ 403,363	\$ 836,389
NH Peaking Volumes													
NH Peaking Costs Modeled in Sendout													
Change in NYMEX Price													
Change in Peaking Costs													
NH Updated Peaking Costs													
NH Commodity Costs													
Pipeline		\$ 1,900,723	\$ 2,118,268	\$ 2,242,311	\$ 1,984,934	\$ 1,889,389	\$ 1,336,543	\$ 678,216	\$ 437,649	\$ 375,599	\$ 378,996	\$ 403,363	\$ 836,389
Storage		\$ 378,185	\$ 836,645	\$ 933,716	\$ 983,140	\$ 649,063	\$ 447,024	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Peaking		\$ 3,450	\$ 772,446	\$ 1,684,032	\$ 1,042,411	\$ 447,024	\$ 3,237	\$ 3,258	\$ 3,290	\$ 3,136	\$ 3,142	\$ 3,847	\$ 4,795
Total Commodity Costs		\$ 2,282,359	\$ 3,727,358	\$ 4,860,059	\$ 4,010,484	\$ 2,985,476	\$ 1,339,779	\$ 681,474	\$ 440,939	\$ 378,735	\$ 382,138	\$ 407,210	\$ 841,184
Inventory Finance Charge		\$ 174	\$ 268	\$ 323	\$ 275	\$ 224	\$ 114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Anticipated Direct Cost of Gas		\$ 3,575,258	\$ 5,013,954	\$ 6,146,710	\$ 5,297,087	\$ 4,272,028	\$ 2,516,929	\$ 1,771,030	\$ 1,530,495	\$ 1,468,291	\$ 1,471,694	\$ 1,496,767	\$ 1,930,741

Northern Utilities
NEW HAMPSHIRE (Over) / Undercollection An:

Sales Revenues				
Volumes	Winter	Summer	Prior Period	Total
Residential Heat & Non Heat				20,447,634
Sales HLF Classes				4,689,876
Sales LLF Classes				19,108,849
Total	35,339,329	8,907,030		44,246,359
Rates				
Residential Heat & Non Heat CGA				
Sales HLF Classes CGA				
Sales LLF Classes CGA				
Revenues				
Residential Heat & Non Heat				\$ (17,655,823)
Sales HLF Classes				\$ (3,222,882)
Sales LLF Classes				\$ (16,921,776)
Total Sales	\$ (33,190,196)	\$ (4,610,285)		\$ (37,800,481)
Gas Costs and Credits				
				Total
Demand Costs (net of Capacity Assignment)				
Pipeline	\$ 2,732,703	\$ 2,732,703		\$ 5,465,407
Storage	\$ 3,866,525	\$ 3,866,525		\$ 7,733,050
On-system Peaking	\$ 1,137,749	\$ 101,852		\$ 1,239,601
Off-System Peaking	\$ 1,875,877	\$ 1,875,877		\$ 3,751,755
Total Demand Costs	\$ 9,612,854	\$ 8,576,958		\$ 18,189,812
Asset Management and Capacity Release				
NUI AMA Revenue				\$ (9,902,100)
NUI Capacity Release				\$ -
NUI AMA Rev & Cap. Release Subtotal				\$ -
NH AMA Revenue				\$ (4,076,771)
NH Capacity Release				\$ -
NH Total Asset Management and Capacity Release		\$ -	\$ -	\$ (4,076,771)
Outage Replacement	\$ 42,402	\$ 1,965		\$ 44,367
Re-entry Rate & Conversion Rate Revenue	\$ (5,000)	\$ -		\$ (5,000)
Net Demand Costs	\$ 7,615,070	\$ 6,537,339		\$ 14,152,408
NUI Commodity Costs				
NUI Total Pipeline Volumes				8,854,520
Pipeline Costs Modeled in Sendout™				\$ 42,511,526
NYMEX Price Used for Forecast				
NYMEX Price Used for Update				
Increase/(Decrease) NYMEX Price				
Increase/(Decrease) in Pipeline Costs				
Updated Pipeline Costs				
New Hampshire Allocated Percentage				
NH Updated Pipeline Costs				\$ 14,582,381
NH Peaking Volumes				
NH Peaking Costs Modeled in Sendout				
Change in NYMEX Price				
Change in Peaking Costs				
NH Updated Peaking Costs				\$ -
NH Commodity Costs				
Pipeline				\$ 14,582,381
Storage				\$ 3,780,749
Peaking				\$ 3,974,066
Total Commodity Costs	\$ 19,205,516	\$ 3,131,680		\$ 22,337,197
Inventory Finance Charge	\$ 1,378	\$ -		\$ 1,378
Total Anticipated Direct Cost of Gas	\$ 26,821,965	\$ 9,669,019		\$ 36,490,984

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

	Oct-21	Winter						Summer					
		(Forecast) Nov-21	(Forecast) Dec-21	(Forecast) Jan-22	(Forecast) Feb-22	(Forecast) Mar-22	(Forecast) Apr-22	(Forecast) May-22	(Forecast) Jun-22	(Forecast) Jul-22	(Forecast) Aug-22	(Forecast) Sep-22	(Forecast) Oct-22
Working Capital													
Total Anticipated Direct Cost of Gas		\$ 3,575,258	\$ 5,013,954	\$ 6,146,710	\$ 5,297,087	\$ 4,272,028	\$ 2,516,929	\$ 1,771,030	\$ 1,530,495	\$ 1,468,291	\$ 1,471,694	\$ 1,496,767	\$ 1,930,741
Working Capital Percentage		0.0892%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%	0.09%
Working Capital Allowance		\$ 3,189	\$ 4,472	\$ 5,483	\$ 4,725	\$ 3,811	\$ 2,245	\$ 1,580	\$ 1,365	\$ 1,310	\$ 1,313	\$ 1,335	\$ 1,722
Beginning Period Working Capital Balance		\$ (7,305)	\$ (4,131)	\$ 336	\$ 5,828	\$ 10,575	\$ 14,419	\$ 16,706	\$ 18,334	\$ 19,750	\$ 21,115	\$ 22,487	\$ 23,885
End of Period Working Capital Allowance		\$ (4,116)	\$ 341	\$ 5,819	\$ 10,553	\$ 14,385	\$ 16,664	\$ 18,286	\$ 19,699	\$ 21,060	\$ 22,428	\$ 23,822	\$ 25,607
Interest		\$ (15)	\$ (5)	\$ 8	\$ 22	\$ 34	\$ 42	\$ 47	\$ 52	\$ 55	\$ 59	\$ 63	\$ 67
End of period with Interest	\$ (7,305)	\$ (4,131)	\$ 336	\$ 5,828	\$ 10,575	\$ 14,419	\$ 16,706	\$ 18,334	\$ 19,750	\$ 21,115	\$ 22,487	\$ 23,885	\$ 25,674
Bad Debt													
Projected Bad Debt	\$ -	\$ 22,886.74	\$ 22,886.74	\$ 22,886.74	\$ 22,886.74	\$ 22,886.74	\$ 22,886.74	\$ 2,421.54	\$ 2,421.54	\$ 2,421.54	\$ 2,421.54	\$ 2,421.54	\$ 2,421.54
Beginning Period Bad Debt Balance		\$ (77,564)	\$ (54,857)	\$ (32,088)	\$ (9,257)	\$ 13,636	\$ 36,591	\$ 59,607	\$ 62,194	\$ 64,787	\$ 67,387	\$ 69,995	\$ 72,609
End of Period Bad Debt Balance		\$ (54,678)	\$ (31,970)	\$ (9,201)	\$ 13,630	\$ 36,523	\$ 59,477	\$ 62,029	\$ 64,615	\$ 67,208	\$ 69,809	\$ 72,416	\$ 75,030
Interest		\$ (179)	\$ (118)	\$ (56)	\$ 6	\$ 68	\$ 130	\$ 165	\$ 172	\$ 179	\$ 186	\$ 193	\$ 200
End of Period Bad Debt Balance with Interest	\$ (77,564)	\$ (54,857)	\$ (32,088)	\$ (9,257)	\$ 13,636	\$ 36,591	\$ 59,607	\$ 62,194	\$ 64,787	\$ 67,387	\$ 69,995	\$ 72,609	\$ 75,230
Local Production and Storage Capacity		\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Miscellaneous Overhead		\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 77,268	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475	\$ 19,475
Gas Cost Other than Bad Debt and Working Capital Over/Under Collection													
Beginning Balance Over/Under Collection	\$ 237,004	\$ 237,004	\$ (456,992)	\$ (1,601,680)	\$ (2,706,597)	\$ (3,624,716)	\$ (4,648,898)	\$ (5,233,538)	\$ (4,443,986)	\$ (3,555,397)	\$ (2,631,496)	\$ (1,710,036)	\$ (822,367)
Net Costs - Revenues		\$ (693,699)	\$ (1,141,904)	\$ (1,099,091)	\$ (909,558)	\$ (1,012,993)	\$ (571,275)	\$ 802,639	\$ 899,407	\$ 932,267	\$ 927,331	\$ 891,094	\$ 722,844
Ending Balance before Interest		\$ (456,695)	\$ (1,598,896)	\$ (2,700,771)	\$ (3,616,154)	\$ (4,637,710)	\$ (5,220,174)	\$ (4,430,899)	\$ (3,544,579)	\$ (2,623,130)	\$ (1,704,165)	\$ (818,942)	\$ (99,523)
Average Balance		\$ (109,845)	\$ (1,027,944)	\$ (2,151,225)	\$ (3,161,376)	\$ (4,131,213)	\$ (4,934,536)	\$ (4,832,219)	\$ (3,994,283)	\$ (3,089,263)	\$ (2,167,831)	\$ (1,264,489)	\$ (460,945)
Interest Rate		3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
Interest Expense		\$ (297)	\$ (2,784)	\$ (5,826)	\$ (8,562)	\$ (11,189)	\$ (13,364)	\$ (13,087)	\$ (10,818)	\$ (8,367)	\$ (5,871)	\$ (3,425)	\$ (1,248)
Ending Balance Incl Interest Expense	\$ 237,004	\$ (456,992)	\$ (1,601,680)	\$ (2,706,597)	\$ (3,624,716)	\$ (4,648,898)	\$ (5,233,538)	\$ (4,443,986)	\$ (3,555,397)	\$ (2,631,496)	\$ (1,710,036)	\$ (822,367)	\$ (100,771)
Total Over/Under Collection Ending Balance	\$ 152,135	\$ (515,980)	\$ (1,633,431)	\$ (2,710,026)	\$ (3,600,506)	\$ (4,597,889)	\$ (5,157,224)	\$ (4,363,459)	\$ (3,470,860)	\$ (2,542,994)	\$ (1,617,555)	\$ (725,873)	\$ 133
Total Indirect Cost of Gas	\$ 152,135	\$ 182,203	\$ 181,071	\$ 179,115	\$ 175,697	\$ 172,229	\$ 168,558	\$ 10,601	\$ 12,667	\$ 15,073	\$ 17,583	\$ 20,062	\$ 22,637
Total Cost of Gas	\$ 152,135	\$ 3,757,461	\$ 5,195,025	\$ 6,325,824	\$ 5,472,784	\$ 4,444,257	\$ 2,685,487	\$ 1,781,631	\$ 1,543,162	\$ 1,483,365	\$ 1,489,277	\$ 1,516,829	\$ 1,953,378
Total Interest	\$ -	\$ (492)	\$ (2,907)	\$ (5,874)	\$ (8,534)	\$ (11,087)	\$ (13,192)	\$ (12,875)	\$ (10,595)	\$ (8,133)	\$ (5,626)	\$ (3,169)	\$ (981)

Northern Utilities
NEW HAMPSHIRE (Over) / Undercollection An:

	Winter	Summer	Prior Period	Total
Working Capital				
Total Anticipated Direct Cost of Gas				\$ 36,490,984
Working Capital Percentage				
Working Capital Allowance	\$ 23,925	\$ 8,625	\$ (7,305)	\$ 25,245
Beginning Period Working Capital Balance				
End of Period Working Capital Allowance				
Interest	\$ 86	\$ 343		\$ 429
End of period with Interest				
Bad Debt				
Projected Bad Debt	\$ 137,320	\$ 14,529	\$ (77,564)	\$ 74,285
Beginning Period Bad Debt Balance				
End of Period Bad Debt Balance				
Interest	\$ (149)	\$ 1,094		\$ 945
End of Period Bad Debt Balance with Interest				
Local Production and Storage Capacity				\$ 476,106
				\$ -
Miscellaneous Overhead				\$ 580,455
Gas Cost Other than Bad Debt and Working Capital Over				
Beginning Balance Over/Under Collection				\$ (31,198,700)
Net Costs - Revenues				\$ (252,937)
Ending Balance before Interest				\$ (31,451,637)
Average Balance				\$ (31,325,168)
Interest Rate				
Interest Expense				\$ (84,839)
Ending Balance Incl Interest Expense			\$ 237,004	
Total Over/Under Collection Ending Balance				
Total Indirect Cost of Gas	\$ 1,058,872	\$ 98,623	\$ 152,135	\$ 1,309,631
Total Cost of Gas	\$ 27,880,837	\$ 9,767,642	\$ 152,135	\$ 37,800,614
Total Interest	\$ (42,086)	\$ (41,380)		\$ (83,465)

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

Anticipated Cost of Gas

New Hampshire Division
Period Covered: November 1, 2021 - April 31, 2022

Column A	Column B	Column C
1 <u>ANTICIPATED DIRECT COST OF GAS</u>		
2 Purchased Gas for Sales Service:		
3 Demand Costs:	\$ 4,553,044	
4 Supply Costs:	\$ 11,472,168	
5		
6 Storage & Peaking Gas for Sales Service:		
7 Demand, Capacity:	\$ 12,327,011	
8 Commodity Costs:	\$ 7,733,349	
9		
10 Inventory Finance Charge	\$ 1,378	
11		
12 Capacity Release	\$ (4,076,771)	
13		
14 Re-entry Rate & Conversion Rate Revenues	\$ (5,000)	
15		
16 Total Anticipated Direct Cost of Gas		\$ 32,005,179
17		
18 <u>ANTICIPATED INDIRECT COST OF GAS</u>		
19 Adjustments:		
20 Prior Period Under/(Over) Collection	\$ 189,294	
21 Interest	\$ (42,086)	
22 Refunds	\$ -	
23 <u>Interruptible Margins</u>	\$ -	
24 Total Adjustments		\$ 147,208
25		
26 Working Capital:		
27 Total Anticipated Direct Cost of Gas	\$ 32,005,179	
28 Working Capital Allowance Percentage (10.02 [lag days]/365* prime rate)	<u>0.0892%</u>	
29 Working Capital Allowance	\$ 28,555	
30		
31 Plus: Working Capital Reconciliation (Acct 173)	<u>\$ (5,834)</u>	
32		
33 Total Working Capital Allowance		\$ 22,721
34		
35 Bad Debt:		
36 Bad Debt Allowance	\$ 137,320	
37 Plus: Bad Debt Reconciliation (Acct 173)	<u>\$ (61,950)</u>	
38 Total Bad Debt Allowance		\$ 75,370
39		
40 Local Production and Storage Capacity		\$ 476,106
41		
42 Miscellaneous Overhead-79.87% Allocated to Winter Season		<u>\$ 463,606</u>
43		
44 Total Anticipated Indirect Cost of Gas		\$ 1,185,012
45		
46 Total Cost of Gas		<u>\$ 33,190,191</u>

(*) Prime Rate is 3.25%

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

Summary

Anticipated Cost of Gas

New Hampshire Division
Period Covered: November 1, 2021 - April 31, 2022

Column A	Column D
1 <u>ANTICIPATED DIRECT COST OF GAS</u>	
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	
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	
10 Inventory Finance Charge	Attachment NUI-CAK-6, LN 17
11	
12 Capacity Release	-(Attachment NUI-CAK-2, LN 77)
13	
14 Re-entry Rate & Conversion Rate Revenues	Attachment NUI-CAK-2, LN 79
15	
16 Total Anticipated Direct Cost of Gas	Sum (LN 3 : LN 14)
17	
18 <u>ANTICIPATED INDIRECT COST OF GAS</u>	
19 Adjustments:	
20 Prior Period Under/(Over) Collection	Attachment NUI-CAK-10, Page 1
21 Interest	Attachment NUI-CAK-12, LN 94: Total
22 Refunds	
23 <u>Interruptible Margins</u>	-(Attachment NUI-CAK-2, LN 78)
24 Total Adjustments	Sum (LN 20 : LN 23)
25	
26 Working Capital:	
27 Total Anticipated Direct Cost of Gas	LN 16
28 Working Capital Allowance Percentage (10.02 [lag days]/365* prime Tariff - NHPUC No. 12 , Section 6.1	
29 Working Capital Allowance	LN 27 * LN 28
30	
31 Plus: Working Capital Reconciliation (Acct 173)	Attachment NUI-CAK-10, Attachment A
32	
33 Total Working Capital Allowance	Sum (LN 29 : LN 31)
34	
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 Allowance	LN 36 + LN 37
39	
40 Local Production and Storage Capacity	Attachment NUI-CAK-2, LN 84
41	
42 Miscellaneous Overhead-79.87% Allocated to Winter Season	Attachment NUI-CAK-2, LN 83
43	
44 Total Anticipated Indirect Cost of Gas	Sum (LN 24 : LN 42)
45	
46 Total Cost of Gas	LN 44 + LN 16
(*) Prime Rate is 3.25%	

48 CALCULATION OF FIRM SALES COST OF GAS RATE
49 Period Covered: November 1, 2021 - April 31, 2022

Column A	Column B	Column C
Total Anticipated Direct Cost of Gas	\$ 32,005,179	
Projected Prorated Sales (11/01/21 - 04/30/22)	35,339,329	
Direct Cost of Gas Rate		\$ 0.9057 per therm
Demand Cost of Gas Rate	\$ 12,798,284	\$ 0.3622 per therm
Commodity Cost of Gas Rate	\$ 19,206,895	\$ 0.5435 per therm
Total Direct Cost of Gas Rate	\$ 32,005,179	\$ 0.9057 per therm
Total Anticipated Indirect Cost of Gas	\$ 1,185,012	
Projected Prorated Sales (11/01/21 - 04/30/22)	35,339,329	
Indirect Cost of Gas		\$ 0.0335 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/21		\$ 0.9392 per therm

RESIDENTIAL COST OF GAS RATE - 11/01/21	COGwr	\$ 0.9392 per therm
	Maximum (COG+25%)	\$ 1.1740

COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/21	COGwl	\$ 0.8453 per therm
	Maximum (COG+25%)	\$ 1.0566

C&I HLF Demand Costs Allocated per SMBA	\$ 668,845
PLUS: Residential Demand Reallocation to C&I HLF	\$ 15,887
C&I HLF Total Adjusted Demand Costs	\$ 684,732
C&I HLF Projected Prorated Sales (11/01/21 - 04/30/22)	2,692,919
Demand Cost of Gas Rate	\$ 0.2543
C&I HLF Commodity Costs Allocated per SMBA	\$ 1,503,327
PLUS: Residential Commodity Reallocation to C&I HLF	\$ (2,088)
C&I HLF Total Adjusted Commodity Costs	\$ 1,501,239
C&I HLF Projected Prorated Sales (11/01/21 - 05/30/22)	2,692,919
Commodity Cost of Gas Rate	\$ 0.5575
Indirect Cost of Gas	\$ 0.0335
Total C&I HLF Cost of Gas Rate	\$ 0.8453

COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/21	COGwh	\$ 0.9551 per therm
	Maximum (COG+25%)	\$ 1.1939

C&I LLF Demand Costs Allocated per SMBA	\$ 5,898,495
PLUS: Residential Demand Reallocation to C&I LLF	\$ 140,104
C&I LLF Total Adjusted Demand Costs	\$ 6,038,599
C&I LLF Projected Prorated Sales (11/01/21 - 04/30/22)	15,871,915
Demand Cost of Gas Rate	\$ 0.3805
C&I LLF Commodity Costs Allocated per SMBA	\$ 8,600,676
PLUS: Residential Commodity Reallocation to C&I LLF	\$ (11,944)
C&I LLF Total Adjusted Commodity Costs	\$ 8,588,732
C&I LLF Projected Prorated Sales (11/01/21 - 04/30/22)	15,871,915
Commodity Cost of Gas Rate	\$ 0.5411
Indirect Cost of Gas	\$ 0.0335
Total C&I LLF Cost of Gas Rate	\$ 0.9551

48	CALCULATION OF FIRM SALES COST OF GAS RATE	
49	Period Covered: November 1, 2021 - April 31, 2022	
50		
51	Column A	Column D
52		
53	Total Anticipated Direct Cost of Gas	LN 16
54	Projected Prorated Sales (11/01/21 - 04/30/22)	Attachment NUI-CAK-3, LN 11
55	Direct Cost of Gas Rate	LN 53 / LN 54
56		
57	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 (11/01/21 - 04/30/22)	Column B : LN 54
63	Indirect Cost of Gas	LN 61 / LN 62
64		
65		
66	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/21	LN 59 + LN 63
67		
68	RESIDENTIAL COST OF GAS RATE - 11/01/21	LN 66
69		LN 68 * 1.25
70		
71		
72	COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/21	LN 89
73		LN 72 * 1.25
74		
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 (11/01/21 - 04/30/22)	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 (11/01/21 - 05/30/22)	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 - 11/01/21	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 (11/01/21 - 04/30/22)	Attachment NUI-CAK-3, LN 15
99	Demand Cost of Gas Rate	LN 97 / LN 98
100		
101	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 (11/01/21 - 04/30/22)	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)

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

Anticipated Cost of Gas

Summary Schedule

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

Column A	Column B	Column C
110 <u>ANTICIPATED DIRECT COST OF GAS</u>		
111 Purchased Gas:		
112 Demand Costs:	\$ 956,729	
113 Supply Costs:	\$ 3,110,213	
114		
115 Storage & Peaking Gas:		
116 Demand, Capacity:	\$ 397,395	
117 Commodity Costs:	\$ 21,467	
118		
119 Inventory Finance Charge	\$ -	
120		
121 Capacity Release	\$ -	
122		
123 Re-entry Rate & Conversion Rate Revenues	\$ -	
124		
125 Total Anticipated Direct Cost of Gas		\$ 4,485,805
126		
127 <u>ANTICIPATED INDIRECT COST OF GAS</u>		
128 Adjustments:		
129 Prior Period Under/(Over) Collection	\$ 47,710	
130 Interest	\$ (41,380)	
131 Refunds	\$ -	
132 Interruptible Margins	\$ -	
133 Total Adjustments		\$ 6,330
134		
135 Working Capital:		
136 Total Anticipated Direct Cost of Gas	\$ 4,485,805	
137 Working Capital Allowance Percentage (10.02 [lag days]/365* prime rate)	0.089%	
138 Working Capital Allowance	\$ 4,002	
139 Plus: Working Capital Reconciliation (Acct. 173)	\$ (1,470)	
140		
141 Total Working Capital Allowance		\$ 2,532
142		
143 Bad Debt:		
144 Projected Bad Debt	\$ 14,529	
145 Plus: Bad Debt Reconciliation (Acct 173)	\$ (15,614)	
146 Total Bad Debt Expense		\$ (1,085)
147		
148 Local Production and Storage Capacity		\$ -
149		
150 Miscellaneous Overhead-20.13% Allocated to Summer Season		\$ 116,849
151		
152 Total Anticipated Indirect Cost of Gas		\$ 124,627
153		
154 Total Cost of Gas		\$ 4,610,432
155		

(*) Prime Rate is 3.25%

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

Anticipated Cost of Gas

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

Column A	Column D
110 <u>ANTICIPATED DIRECT COST OF GAS</u>	
111 Purchased Gas:	
112 Demand Costs:	Attachment NUI-CAK-2, LN 71 + LN 75
113 Supply Costs:	Attachment NUI-CAK-6, LN 14
114	
115 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	
127 <u>ANTICIPATED INDIRECT COST OF GAS</u>	
128 Adjustments:	
129 Prior Period Under/(Over) Collection	Attachment NUI-CAK-10, Page 1
130 Interest	Attachment NUI-CAK-12, LN 94: Total
131 Refunds	Company Analysis
132 Interruptible Margins	- (Attachment NUI-CAK-2, LN 78)
133 Total Adjustments	Sum (LN 129 : LN 132)
134	
135 Working Capital:	
136 Total Anticipated Direct Cost of Gas	LN 125
137 Working Capital Allowance Percentage (10.02 [lag days]/365* prim	Tariff - NHPUC No. 12 , Section 6.1
138 Working Capital Allowance	LN 136 * LN 137
139 Plus: Working Capital Reconciliation (Acct. 173)	Attachment NUI-CAK-10, Attachment A
140	
141 Total Working Capital Allowance	Sum (LN 138 : LN 139)
142	
143 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	
148 Local Production and Storage Capacity	Attachment NUI-CAK-2, LN 84
149	
150 Miscellaneous Overhead-20.13% 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 3.25%

NORTHERN UTILITIES, INC.

156
157 CALCULATION OF FIRM SALES COST OF GAS RATE
158 Period Covered: May 1, 2022 - October 31, 2022
159

160 Column A	Column B	Column C
161		
162 Total Anticipated Direct Cost of Gas	\$ 4,485,805	
163 Projected Prorated Sales (05/01/22 - 10/31/22)	8,907,030	
164 Direct Cost of Gas Rate		\$ 0.5036 per therm
165		
166 Demand Cost of Gas Rate	\$ 1,354,125	\$ 0.1520 per therm
167 Commodity Cost of Gas Rate	\$ 3,131,680	\$ 0.3516 per therm
168 Total Direct Cost of Gas Rate	\$ 4,485,805	\$ 0.5036 per therm
169		
170 Total Anticipated Indirect Cost of Gas	\$ 124,627	
171 Projected Prorated Sales (05/01/22 - 10/31/22)	8,907,030	
172 Indirect Cost of Gas		\$ 0.0140 per therm
173		
174		
175 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/22		\$ 0.5176 per therm

177 RESIDENTIAL COST OF GAS RATE - 05/01/22	COGwr	\$ 0.5176 per therm
178	Maximum (COG+25%)	\$ 0.6470

181 COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/22	COGwl	\$ 0.4740 per therm
182	Maximum (COG+25%)	\$ 0.5925

183		
184 C&I HLF Demand Costs Allocated per SMBA	\$ 205,468	
185 PLUS: Residential Demand Reallocation to C&I HLF	\$ 11,258	
186 C&I HLF Total Adjusted Demand Costs	\$ 216,726	
187 C&I HLF Projected Prorated Sales (05/01/22 - 10/31/22)	1,996,958	
188 Demand Cost of Gas Rate	\$ 0.1085	
189		
190 C&I HLF Commodity Costs Allocated per SMBA	\$ 701,906	
191 PLUS: Residential Commodity Reallocation to C&I HLF	\$ 64	
192 C&I HLF Total Adjusted Commodity Costs	\$ 701,970	
193 C&I HLF Projected Prorated Sales (05/01/22 - 10/31/22)	1,996,958	
194 Commodity Cost of Gas Rate	\$ 0.3515	
195		
196 Indirect Cost of Gas	\$ 0.0140	
197		
198 Total C&I HLF Cost of Gas Rate	\$ 0.4740	

201 COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/22	COGwh	\$ 0.5445 per therm
202	Maximum (COG+25%)	\$ 0.6806

203		
204 C&I LLF Demand Costs Allocated per SMBA	\$ 549,002	
205 PLUS: Residential Demand Reallocation to C&I LLF	\$ 30,080	
206 C&I LLF Total Adjusted Demand Costs	\$ 579,082	
207 C&I LLF Projected Prorated Sales (05/01/22 - 10/31/22)	3,236,934	
208 Demand Cost of Gas Rate	\$ 0.1789	
209		
210 C&I LLF Commodity Costs Allocated per SMBA	\$ 1,138,131	
211 PLUS: Residential Commodity Reallocation to C&I LLF	\$ 104	
212 C&I LLF Total Adjusted Commodity Costs	\$ 1,138,235	
213 C&I LLF Projected Prorated Sales (05/01/22 - 10/31/22)	3,236,934	
214 Commodity Cost of Gas Rate	\$ 0.3516	
215		
216 Indirect Cost of Gas	\$ 0.0140	
217		
218 Total C&I LLF Cost of Gas Rate	\$ 0.5445	

NORTHERN UTILITIES, INC.

156		
157	CALCULATION OF FIRM SALES COST OF GAS RATE	
158	Period Covered: May 1, 2022 - October 31, 2022	
159		
160	Column A	Column D
161		
162	Total Anticipated Direct Cost of Gas	LN 125
163	Projected Prorated Sales (05/01/22 - 10/31/22)	Attachment NUI-CAK-3, LN 11
164	Direct Cost of Gas Rate	LN 162 / LN 163
165		
166	Demand Cost of Gas Rate	Column B : SUM (LN 112 , LN 116 , LN 121 , LN 123) : C
167	Commodity Cost of Gas Rate	Column B : SUM (LN 113 , LN 117 , LN 119) : COLUMN C
168	Total Direct Cost of Gas Rate	SUM (LN 166 : LN 167)
169		
170	Total Anticipated Indirect Cost of Gas	Column B : LN 152
171	Projected Prorated Sales (05/01/22 - 10/31/22)	Column B : LN 163
172	Indirect Cost of Gas	LN 170 / LN 171
173		
174		
175	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 05/01/22	LN 168 + LN 172
176		
177	RESIDENTIAL COST OF GAS RATE - 05/01/22	LN 175
178		LN 177 * 1.25
179		
180		
181	COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/22	LN 198
182		LN 181 * 1.25
183		
184	C&I HLF Demand Costs Allocated per SMBA	Attachment NUI-CAK-4, LN 170
185	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)
187	C&I HLF Projected Prorated Sales (05/01/22 - 10/31/22)	Attachment NUI-CAK-3, LN 14
188	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 (05/01/22 - 10/31/22)	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 - 05/01/22	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 (05/01/22 - 10/31/22)	Attachment NUI-CAK-3, LN 15
208	Demand Cost of Gas Rate	LN 206 / LN 207
209		
210	C&I LLF Commodity Costs Allocated per SMBA	Attachment NUI-CAK-8, LN 84
211	PLUS: Residential Commodity Reallocation to C&I LLF	Attachment NUI-CAK-9, LN 27
212	C&I LLF Total Adjusted Commodity Costs	Sum (LN 210 : LN 211)
213	C&I LLF Projected Prorated Sales (05/01/22 - 10/31/22)	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.

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

Anticipated Cost of Gas

New Hampshire Division

Period Covered: November 1, 2021 - October 31, 2022

	Column A	Column B	Column C
219	<u>ANTICIPATED DIRECT COST OF GAS</u>		
220	Purchased Gas for Sales Service:		
221	Demand Costs:	\$ 5,509,774	
222	Supply Costs:	\$ 14,582,381	
223			
224	Storage & Peaking Gas for Sales Service:		
225	Demand, Capacity:	\$ 12,724,406	
226	Commodity Costs:	\$ 7,754,816	
227			
228	Inventory Finance Charge	\$ 1,378	
229			
230	Capacity Release	\$ (4,076,771)	
231			
232	Re-entry Rate & Conversion Rate Revenues	\$ (5,000)	
233			
234	Total Anticipated Direct Cost of Gas		\$ 36,490,984
235			
236	<u>ANTICIPATED INDIRECT COST OF GAS</u>		
237	Adjustments:		
238	Prior Period Under/(Over) Collection	\$ 237,004	
239	Interest	\$ (83,465)	
240	Refunds	\$ -	
241	<u>Interruptible Margins</u>	\$ -	
242	Total Adjustments		\$ 153,539
243			
244	Working Capital:		
245	Total Anticipated Direct Cost of Gas	\$ 36,490,984	
246	Working Capital Percentage	<u>0.0892%</u>	
247	Working Capital Allowance	\$ 32,557	
248			
249	Plus: Working Capital Reconciliation (Acct 173)	\$ (7,304)	
250			
251	Total Working Capital Allowance		\$ 25,253
252			
253	Bad Debt:		
254	Bad Debt Allowance	\$ 151,850	
255	Plus: Bad Debt Reconciliation (Acct 173)	\$ (77,564)	
256	Total Bad Debt Allowance		\$ 74,286
257			
258	Local Production and Storage Capacity		\$ 476,106
259			
260	Miscellaneous Overhead		\$ 580,455
261			
262	Total Anticipated Indirect Cost of Gas		\$ 1,309,638
263			
264	Total Cost of Gas		<u>\$ 37,800,622</u>

NORTHERN UTILITIES, INC.

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

Anticipated Cost of Gas

New Hampshire Division
Period Covered: November 1, 2021 - October 31, 2022

Column A	Column D
219 <u>ANTICIPATED DIRECT COST OF GAS</u>	
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	
232 Re-entry Rate & Conversion Rate Revenues	LN 14 + LN 123
233	
234 Total Anticipated Direct Cost of Gas	LN 16 + LN 125
235	
236 <u>ANTICIPATED INDIRECT COST OF GAS</u>	
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 <u>Interruptible Margins</u>	LN 23 + LN 132
242 Total Adjustments	LN 24 + LN 133
243	
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	
249 Plus: Working Capital Reconciliation (Acct 173)	LN 31 + LN 139
250	
251 Total Working Capital Allowance	LN 33 + LN 141
252	
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 New Hampshire Division
Cost of Gas Rate Comparison - Residential Rate Classes
(rates per therm)

Proposed Rates	2020-2021 Actual Cost of Gas Rates						Average Winter 20-21	Variance
November 2021 - April 2022	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21		
\$0.9392	\$0.7315	\$0.7315	\$0.7315	\$0.7315	\$0.7315	\$0.7315	\$0.7315	\$0.2077
May 2022 - October 2022	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Average Summer 2021	
\$0.5176	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.4970	\$0.0206

Re-entry Rate & Conversion Rate
Volumes and Revenues

Month	Re-entry Surcharge		Conversion Surcharge	
	Volumes	Revenues	Volumes	Revenues
May-20	0	\$0	0	\$0
Jun-20	1,161	\$47	0	\$0
Jul-20	1,069	\$43	0	\$0
Aug-20	1,025	\$42	0	\$0
Sep-20	1,169	\$47	0	\$0
Oct-20	3,077	\$125	0	\$0
Nov-20	4,860	\$86	0	\$0
Dec-20	12,779	\$15	0	\$0
Jan-21	16,710	\$20	0	\$0
Feb-21	23,305	\$28	0	\$0
Mar-21	24,188	\$29	0	\$0
Apr-21	11,950	\$14	0	\$0
May-21	0	\$0		
Jun-21	529	\$1	0	\$0
Jul-21	866	\$1	0	\$0
Total	102,688	\$499	0	\$0

Table 1. 2021-2022 Winter New Hampshire Division Billed Distribution Service Volumes Forecast Compared to Prior Years							
Month	2021-2022 Forecast1	2020-2021 Actual2	2021-2022 minus 2020-2021	Percent Change	2019-2020 Actual2	2021-2022 minus 2019-2020	Percent Change
Nov	742,238	706,201	36,038	5.1%	710,939	31,300	4.4%
Dec	1,012,081	974,136	37,945	3.9%	967,728	44,354	4.6%
Jan	1,300,722	1,195,414	105,308	8.8%	1,190,671	110,051	9.2%
Feb	1,335,467	1,256,408	79,058	6.3%	1,255,585	79,881	6.4%
Mar	1,107,637	1,052,431	55,206	5.2%	1,023,935	83,702	8.2%
Apr	877,111	812,809	64,303	7.9%	739,593	137,518	18.6%
May	631,324	583,125	48,199	8.3%	565,494	65,830	11.6%
Jun	446,553	426,376	20,177	4.7%	396,103	50,450	12.7%
Jul	401,291	384,587	16,704	4.3%	347,265	54,026	15.6%
Aug	401,013	385,149	15,864	4.1%	330,714	70,300	21.3%
Sep	408,450	392,793	15,657	4.0%	386,921	21,529	5.6%
Oct	505,819	486,861	18,958	3.9%	452,419	53,400	11.8%
Winter	6,375,256	5,997,398	377,858	6.3%	5,888,450	486,806	8.3%

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

Total Division Metered Deliveries (Dth)										
2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020				
Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern
1	2	3	4	5	6	7	8	9	10	11
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)
742,238	706,201	36,038	5.1%	15,584	20,454	710,939	31,300	4.4%	37,416	-6,116
1,012,081	974,136	37,945	3.9%	22,020	15,925	967,728	44,354	4.6%	53,990	-9,637
1,300,722	1,195,414	105,308	8.8%	27,000	78,308	1,190,671	110,051	9.2%	63,943	46,108
1,335,467	1,256,408	79,058	6.3%	28,341	50,718	1,255,585	79,881	6.4%	67,147	12,734
1,107,637	1,052,431	55,206	5.2%	23,642	31,565	1,023,935	83,702	8.2%	55,370	28,332
877,111	812,809	64,303	7.9%	18,274	46,028	739,593	137,518	18.6%	41,521	95,997
631,324	583,125	48,199	8.3%	13,119	35,080	565,494	65,830	11.6%	26,082	39,747
446,553	426,376	20,177	4.7%	9,656	10,521	396,103	50,450	12.7%	18,152	32,298
401,291	384,587	16,704	4.3%	8,732	7,972	347,265	54,026	15.6%	15,680	38,346
401,013	385,149	15,864	4.1%	8,746	7,118	330,714	70,300	21.3%	14,936	55,364
408,450	392,793	15,657	4.0%	8,934	6,723	386,921	21,529	5.6%	17,533	3,997
505,819	486,861	18,958	3.9%	11,056	7,902	452,419	53,400	11.8%	20,457	32,943
6,375,256	5,997,398	377,858	6.3%	134,860	242,998	5,888,450	486,806	8.3%	319,768	167,038
2,794,451	2,658,891	135,560	5.1%	60,244	75,316	2,478,916	315,536	12.7%	112,703	202,833
9,169,707	8,656,289	513,418	5.9%	195,104	318,314	8,367,366	802,341	9.6%	417,316	385,025

Note 1 Company Forecast

Note 2 Pages 2 - 4; Sum of Column 2 of Billed Deliveries table. Actual Data through April is weather normalized.

Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.

Note 4 Pages 2 - 4; Sum of Column 7 of Billed Deliveries Table. Actual Data provided is weather normalized.

Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

Total Division Meter Counts						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
35,942	35,166	776	2.2%	34,145	1,797	5.3%
36,145	35,346	799	2.3%	34,235	1,910	5.6%
36,220	35,420	800	2.3%	34,374	1,846	5.4%
36,266	35,466	800	2.3%	34,425	1,841	5.3%
36,276	35,479	797	2.2%	34,415	1,861	5.4%
36,383	35,583	800	2.2%	34,449	1,934	5.6%
35,995	35,203	792	2.2%	34,408	1,587	4.6%
35,853	35,059	794	2.3%	34,282	1,571	4.6%
35,855	35,059	796	2.3%	34,306	1,549	4.5%
35,894	35,097	797	2.3%	34,343	1,551	4.5%
36,241	35,435	806	2.3%	34,670	1,571	4.5%
36,569	35,757	812	2.3%	34,987	1,582	4.5%
36,205	35,410	795	2.2%	34,341	1,865	5.4%
36,068	35,268	800	2.3%	34,499	1,569	4.5%
36,137	35,339	797	2.3%	34,420	1,717	5.0%

Note 1 Company Forecast

Note 2 Actual data through April. Forecast data beginning June. Page 2 - 4; Sum of Column 2 of Meter Counts table.

Note 3 Actual Data. Page 2 - 4; Sum of Column 5 of Meter Counts table.

Total Division Use Per Meter						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
20.65	20.08	0.57	2.8%	20.82	-0.17	-0.8%
28.00	27.56	0.44	1.6%	28.27	-0.27	-0.9%
35.91	33.75	2.16	6.4%	34.64	1.27	3.7%
36.82	35.43	1.40	3.9%	36.47	0.35	1.0%
30.53	29.66	0.87	2.9%	29.75	0.78	2.6%
24.11	22.84	1.27	5.5%	21.47	2.64	12.3%
17.54	16.56	0.97	5.9%	16.43	1.10	6.7%
12.46	12.16	0.29	2.4%	11.55	0.90	7.8%
11.19	10.97	0.22	2.0%	10.12	1.07	10.6%
11.17	10.97	0.20	1.8%	9.63	1.54	16.0%
11.27	11.08	0.19	1.7%	11.16	0.11	1.0%
13.83	13.62	0.22	1.6%	12.93	0.90	7.0%
176.09	169.37	6.72	4.0%	171.47	4.61	2.7%
77.48	75.39	2.09	2.8%	71.85	5.63	7.8%
253.75	244.95	8.80	3.6%	243.10	10.24	4.2%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.

Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.

Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

Residential Non-Heat Metered Deliveries (Dth)										
2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020				
Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern
1	2	3	4	5	6	7	8	9	10	11
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)
1,859	1,874	-16	-0.8%	-23	8	1,727	131	7.6%	29	102
2,658	2,616	42	1.6%	-33	75	2,569	89	3.4%	54	34
3,075	3,286	-211	-6.4%	-41	-170	3,033	42	1.4%	-80	122
3,131	3,456	-325	-9.4%	-43	-282	3,126	5	0.2%	-85	90
2,430	2,931	-501	-17.1%	-37	-465	2,626	-196	-7.5%	-59	-137
2,125	2,220	-94	-4.3%	-27	-67	2,221	-96	-4.3%	-15	-80
1,709	1,800	-91	-5.1%	-22	-69	1,866	-157	-8.4%	-45	-113
1,433	1,509	-76	-5.1%	-18	-58	1,474	-41	-2.8%	-36	-5
1,276	1,344	-68	-5.1%	-16	-52	1,261	15	1.2%	-31	46
1,213	1,278	-65	-5.1%	-15	-49	1,129	84	7.5%	-28	112
1,247	1,314	-66	-5.1%	-16	-51	1,402	-154	-11.0%	-34	-121
1,291	1,359	-69	-5.1%	-17	-52	1,285	5	0.4%	-31	37
15,277	16,382	-1,105	-6.7%	-205	-900	15,301	-24	-0.2%	-120	96
8,169	8,604	-435	-5.1%	-104	-331	8,417	-248	-2.9%	-204	-44
23,447	24,987	-1,540	-6.2%	-309	-1,231	23,718	-272	-1.1%	-385	113

Note 1 Company Forecast
Note 2 Actual, weather normalized data through April. Forecast data beginning June.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Actual, weather normalized data through May. Forecast data beginning June.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

Total Division Meter Counts						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
1,265	1,281	-16	-1.2%	1,244	21	1.7%
1,260	1,276	-16	-1.3%	1,234	26	2.1%
1,259	1,275	-16	-1.3%	1,293	-34	-2.6%
1,256	1,272	-16	-1.3%	1,291	-35	-2.7%
1,263	1,279	-16	-1.3%	1,292	-29	-2.2%
1,296	1,312	-16	-1.2%	1,305	-9	-0.7%
1,304	1,320	-16	-1.2%	1,336	-32	-2.4%
1,317	1,333	-16	-1.2%	1,350	-33	-2.4%
1,316	1,332	-16	-1.2%	1,349	-33	-2.4%
1,318	1,334	-16	-1.2%	1,351	-33	-2.4%
1,306	1,322	-16	-1.2%	1,338	-32	-2.4%
1,284	1,300	-16	-1.2%	1,316	-32	-2.4%
1,267	1,283	-16	-1.2%	1,277	-10	-0.8%
1,308	1,324	-16	-1.2%	1,340	-33	-2.4%
1,287	1,303	-16	-1.2%	1,308	-21	-1.6%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June.
Note 3 Actual Data.

Total Division Use Per Meter						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
1.47	1.46	0.01	0.4%	1.39	0.08	5.8%
2.11	2.05	0.06	2.9%	2.08	0.03	1.3%
2.44	2.58	-0.13	-5.2%	2.35	0.10	4.1%
2.49	2.72	-0.22	-8.3%	2.42	0.07	3.0%
1.92	2.29	-0.37	-16.1%	2.03	-0.11	-5.3%
1.64	1.69	-0.05	-3.1%	1.70	-0.06	-3.6%
1.31	1.36	-0.05	-3.9%	1.40	-0.09	-6.2%
1.09	1.13	-0.04	-3.9%	1.09	0.00	-0.4%
0.97	1.01	-0.04	-3.9%	0.93	0.04	3.8%
0.92	0.96	-0.04	-3.9%	0.84	0.08	10.2%
0.96	0.99	-0.04	-3.9%	1.05	-0.09	-8.8%
1.01	1.05	-0.04	-3.9%	0.98	0.03	2.9%
12.06	12.77	-0.71	-5.6%	11.99	0.11	0.9%
6.25	6.50	-0.25	-3.9%	6.28	-0.03	-0.5%
18.22	19.18	-0.96	-5.0%	18.13	0.07	0.4%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

Residential Heat Metered Deliveries (Dth)											
2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020					
Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	
1	2	3	4	5	6	7	8	9	10	11	
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)	
Nov	152,046	148,118	3,928	2.7%	4,129	-201	144,623	7,423	5.1%	9,068	-1,644
Dec	259,212	249,123	10,089	4.0%	6,944	3,145	252,830	6,382	2.5%	16,744	-10,361
Jan	358,894	333,839	25,054	7.5%	9,297	15,757	325,777	33,116	10.2%	21,296	11,820
Feb	386,739	363,293	23,445	6.5%	10,108	13,338	359,118	27,621	7.7%	23,188	4,433
Mar	287,126	273,784	13,342	4.9%	7,585	5,757	269,023	18,103	6.7%	17,345	758
Apr	218,156	200,890	17,265	8.6%	5,571	11,694	200,431	17,725	8.8%	13,475	4,250
May	124,811	119,977	4,835	4.0%	3,323	1,512	132,059	-7,248	-5.5%	7,412	-14,659
Jun	61,437	59,013	2,424	4.1%	1,643	781	56,020	5,417	9.7%	3,160	2,256
Jul	39,664	38,089	1,575	4.1%	1,061	514	36,436	3,228	8.9%	2,057	1,172
Aug	35,409	34,000	1,409	4.1%	947	462	30,323	5,086	16.8%	1,713	3,374
Sep	38,017	36,505	1,512	4.1%	1,017	495	39,149	-1,132	-2.9%	2,211	-3,343
Oct	59,806	57,436	2,371	4.1%	1,602	768	55,366	4,440	8.0%	3,130	1,311
Winter	1,662,172	1,569,048	93,124	5.9%	43,634	49,491	1,551,802	110,370	7.1%	101,018	9,353
Summer	359,145	345,019	14,125	4.1%	9,593	4,532	349,353	9,792	2.8%	19,708	-9,916
Annual	2,021,317	1,914,067	107,250	5.6%	53,227	54,023	1,901,155	120,162	6.3%	115,469	4,693

Note 1 Company Forecast
Note 2 Actual, weather normalized data through April. Forecast data beginning June.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Actual, weather normalized data through May. Forecast data beginning June.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

Total Division Meter Counts						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
27,543	26,796	747	2.8%	25,918	1,625	6.3%
27,692	26,941	751	2.8%	25,972	1,720	6.6%
27,755	27,003	752	2.8%	26,052	1,703	6.5%
27,781	27,029	752	2.8%	26,096	1,685	6.5%
27,786	27,037	749	2.8%	26,103	1,683	6.4%
27,907	27,154	753	2.8%	26,149	1,758	6.7%
27,643	26,898	745	2.8%	26,174	1,469	5.6%
27,583	26,836	747	2.8%	26,110	1,473	5.6%
27,606	26,858	748	2.8%	26,131	1,475	5.6%
27,628	26,879	749	2.8%	26,151	1,477	5.6%
27,928	27,171	757	2.8%	26,435	1,493	5.6%
28,112	27,349	763	2.8%	26,608	1,504	5.7%
27,744	26,993	751	2.8%	26,048	1,696	6.5%
27,750	26,999	752	2.8%	26,268	1,482	5.6%
27,747	26,996	751	2.8%	26,158	1,589	6.1%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June.
Note 3 Actual Data.

Total Division Use Per Meter						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
5.52	5.53	-0.01	-0.1%	5.58	-0.06	-1.1%
9.36	9.25	0.11	1.2%	9.73	-0.37	-3.8%
12.93	12.36	0.57	4.6%	12.50	0.43	3.4%
13.92	13.44	0.48	3.6%	13.76	0.16	1.2%
10.33	10.13	0.21	2.0%	10.31	0.03	0.3%
7.82	7.40	0.42	5.7%	7.66	0.15	2.0%
4.52	4.46	0.05	1.2%	5.05	-0.53	-10.5%
2.23	2.20	0.03	1.3%	2.15	0.08	3.8%
1.44	1.42	0.02	1.3%	1.39	0.04	3.0%
1.28	1.26	0.02	1.3%	1.16	0.12	10.5%
1.36	1.34	0.02	1.3%	1.48	-0.12	-8.1%
2.13	2.10	0.03	1.3%	2.08	0.05	2.2%
59.91	58.13	1.78	3.1%	59.57	0.33	0.6%
12.94	12.78	0.16	1.3%	13.30	-0.36	-2.7%
72.85	70.90	1.95	2.7%	72.68	-0.03	0.0%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern Utilities, Inc.
New Hampshire Division
Billed Distribution Service Volumes and Meter Counts

Total Division C&I Metered Deliveries (Dth)											
2021-2022	2021-2022 Compared to 2020-2021					2021-2022 Compared to 2019-2020					
Forecast	2020-2021 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	2019-2020 Normal	Change	Percent Change	Change Due to Meter Count	Change Due to Load Pattern	
1	2	3	4	5	6	7	8	9	10	11	
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(3-5)	Note 4.	(1-5)	(6/5)	Note 5.	(8-10)	
Nov	588,334	556,208	32,125	5.8%	3,531	28,595	564,588	23,745	4.2%	12,209	11,537
Dec	750,211	722,398	27,813	3.9%	6,485	21,328	712,329	37,883	5.3%	16,620	21,263
Jan	938,753	858,289	80,464	9.4%	7,691	72,773	861,860	76,893	8.9%	21,703	55,190
Feb	945,597	889,659	55,938	6.3%	7,947	47,991	893,342	52,256	5.8%	24,244	28,012
Mar	818,081	775,715	42,366	5.5%	6,931	35,435	752,286	65,794	8.7%	22,183	43,612
Apr	656,830	609,698	47,132	7.7%	5,397	41,735	536,941	119,889	22.3%	14,201	105,688
May	504,803	461,348	43,455	9.4%	4,161	39,294	431,569	73,235	17.0%	9,385	63,850
Jun	383,684	365,854	17,829	4.9%	3,345	14,484	338,609	45,075	13.3%	6,502	38,573
Jul	360,351	345,153	15,198	4.4%	3,216	11,982	309,569	50,782	16.4%	4,853	45,930
Aug	364,392	349,872	14,520	4.2%	3,253	11,267	299,262	65,129	21.8%	4,681	60,448
Sep	369,186	354,974	14,212	4.0%	3,324	10,888	346,370	22,816	6.6%	5,524	17,291
Oct	444,722	428,066	16,656	3.9%	3,914	12,742	395,767	48,955	12.4%	6,164	42,791
Winter	4,697,806	4,411,968	285,839	6.5%	37,982	247,857	4,321,347	376,459	8.7%	110,359	266,101
Summer	2,427,137	2,305,267	121,870	5.3%	21,213	100,657	2,121,146	305,992	14.4%	36,680	269,311
Annual	7,124,944	6,717,235	407,709	6.1%	59,195	348,514	6,442,493	682,451	10.6%	138,206	544,245

Note 1 Company Forecast
Note 2 Actual, weather normalized data through April. Forecast data beginning June.
Note 3 Column 3 of Meter Counts table times Column 2 of Use Per Meter table.
Note 4 Actual, weather normalized data through May. Forecast data beginning June.
Note 5 Column 6 of Meter Counts table times Column 5 of Use Per Meter table.

Total Division Meter Counts						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
7,134	7,089	45	0.6%	6,983	151	2.2%
7,193	7,129	64	0.9%	7,029	164	2.3%
7,206	7,142	64	0.9%	7,029	177	2.5%
7,229	7,165	64	0.9%	7,038	191	2.7%
7,227	7,163	64	0.9%	7,020	207	2.9%
7,180	7,117	63	0.9%	6,995	185	2.6%
7,048	6,985	63	0.9%	6,898	150	2.2%
6,953	6,890	63	0.9%	6,822	131	1.9%
6,933	6,869	64	0.9%	6,826	107	1.6%
6,948	6,884	64	0.9%	6,841	107	1.6%
7,007	6,942	65	0.9%	6,897	110	1.6%
7,173	7,108	65	0.9%	7,063	110	1.6%
7,195	7,134	61	0.9%	7,016	179	2.6%
7,010	6,946	64	0.9%	6,891	119	1.7%
7,103	7,040	62	0.9%	6,953	149	2.1%

Note 1 Company Forecast
Note 2 Actual data through April. Forecast data beginning June.
Note 3 Actual Data.

Total Division Use Per Meter						
2021-2022	Compared to 2020-2021			Compared to 2019-2020		
Forecast	Actual	Change	Percent Change	Actual	Change	Percent Change
1	2	3	4	5	6	7
Note 1.	Note 2.	(1-2)	(3/2)	Note 3.	(1-5)	(6/5)
82.47	78.46	4.01	5.1%	80.85	1.62	2.0%
104.30	101.33	2.97	2.9%	101.34	2.96	2.9%
130.27	120.17	10.10	8.4%	122.61	7.66	6.2%
130.81	124.17	6.64	5.3%	126.93	3.87	3.1%
113.20	108.29	4.90	4.5%	107.16	6.03	5.6%
91.48	85.67	5.81	6.8%	76.76	14.72	19.2%
71.62	66.05	5.58	8.4%	62.56	9.06	14.5%
55.18	53.10	2.08	3.9%	49.63	5.55	11.2%
51.98	50.25	1.73	3.4%	45.35	6.62	14.6%
52.45	50.82	1.62	3.2%	43.75	8.70	19.9%
52.69	51.13	1.55	3.0%	50.22	2.47	4.9%
62.00	60.22	1.78	2.9%	56.03	5.97	10.6%
652.94	618.43	34.51	5.6%	615.96	36.86	6.0%
346.22	331.87	14.35	4.3%	307.81	38.37	12.5%
1,003.15	954.12	49.03	5.1%	926.52	75.23	8.1%

Note 1 Column 1 of Billed Deliveries table divided by Column 1 of Meter Counts table.
Note 2 Column 2 of Billed Deliveries table divided by Column 2 of Meter Counts table.
Note 3 Column 7 of Billed Deliveries table divided by Column 5 of Meter Counts table.

Northern L New Hamp Actual Billed Volumes - \								
Forecast	Actual	Normal	Month	Forecast / Actual / Normal	Res Non- Heat	Res Heat	G40	G50
0	0	1	Nov-19	Normal	1,727	144,623	77,300	12,248
0	0	1	Dec-19	Normal	2,569	252,830	141,258	14,230
0	0	1	Jan-20	Normal	3,033	325,777	192,172	16,749
0	0	1	Feb-20	Normal	3,126	359,118	204,926	17,539
0	0	1	Mar-20	Normal	2,626	269,023	149,426	15,781
0	0	1	Apr-20	Normal	2,221	200,431	102,696	10,269
0	0	1	May-20	Normal	1,866	132,059	60,493	9,148
0	0	1	Jun-20	Normal	1,474	56,020	20,725	10,100
0	0	1	Jul-20	Normal	1,261	36,436	11,613	11,018
0	0	1	Aug-20	Normal	1,129	30,323	9,914	10,602
0	0	1	Sep-20	Normal	1,402	39,149	15,666	12,654
0	0	1	Oct-20	Normal	1,285	55,366	22,927	10,051
0	0	1	Nov-20	Normal	1,874	148,118	82,663	11,958
0	0	1	Dec-20	Normal	2,616	249,123	146,919	14,550
0	0	1	Jan-21	Normal	3,286	333,839	194,845	16,523
0	0	1	Feb-21	Normal	3,456	363,293	220,993	17,564
0	0	1	Mar-21	Normal	2,931	273,784	162,190	16,661
0	0	1	Apr-21	Normal	2,220	200,890	109,479	14,078
1	0	0	May-21	Forecast	1,800	119,977	56,160	9,285
1	0	0	Jun-21	Forecast	1,509	59,013	22,924	9,847
1	0	0	Jul-21	Forecast	1,344	38,089	13,155	10,051
1	0	0	Aug-21	Forecast	1,278	34,000	12,521	10,554
1	0	0	Sep-21	Forecast	1,314	36,505	14,582	11,210
1	0	0	Oct-21	Forecast	1,359	57,436	25,624	10,942
1	0	0	Nov-21	Forecast	1,859	152,046	83,233	12,724
1	0	0	Dec-21	Forecast	2,658	259,212	149,670	15,951
1	0	0	Jan-22	Forecast	3,075	358,894	220,104	20,864
1	0	0	Feb-22	Forecast	3,131	386,739	234,307	21,560
1	0	0	Mar-22	Forecast	2,430	287,126	172,331	18,838
1	0	0	Apr-22	Forecast	2,125	218,156	122,907	16,027
1	0	0	May-22	Forecast	1,709	124,811	62,308	13,447
1	0	0	Jun-22	Forecast	1,433	61,437	25,177	13,669
1	0	0	Jul-22	Forecast	1,276	39,664	14,303	13,398
1	0	0	Aug-22	Forecast	1,213	35,409	13,478	13,531
1	0	0	Sep-22	Forecast	1,247	38,017	15,544	13,841
1	0	0	Oct-22	Forecast	1,291	59,806	27,047	13,030

Utilities, Inc.
Share Division
Weather Normalized (Dth)

G41	G51	G42	G52	Special Contracts	Total Division	Month	Res Non- Heat	Res Heat
119,149	42,107	63,030	147,032	103,723	710,939	Nov-19	1,244	25,918
194,894	50,317	88,303	122,171	101,155	967,728	Dec-19	1,234	25,972
262,024	58,890	99,558	128,586	103,881	1,190,671	Jan-20	1,293	26,052
276,637	59,857	88,833	145,847	99,704	1,255,585	Feb-20	1,291	26,096
210,551	53,843	80,333	133,453	108,900	1,023,935	Mar-20	1,292	26,103
145,089	31,861	47,833	134,137	65,056	739,593	Apr-20	1,305	26,149
92,787	27,525	34,106	128,182	79,328	565,494	May-20	1,336	26,174
40,139	26,239	21,822	127,368	92,217	396,103	Jun-20	1,350	26,110
25,989	27,266	18,456	122,024	93,203	347,265	Jul-20	1,349	26,131
15,123	25,606	19,159	128,273	90,584	330,714	Aug-20	1,351	26,151
31,697	31,081	24,388	137,321	93,563	386,921	Sep-20	1,338	26,435
49,189	29,976	40,424	138,729	104,472	452,419	Oct-20	1,316	26,608
123,703	37,774	63,857	138,289	97,964	706,201	Nov-20	1,281	26,796
194,694	45,936	72,093	156,214	91,992	974,136	Dec-20	1,276	26,941
251,719	51,167	78,290	161,043	104,701	1,195,414	Jan-21	1,275	27,003
276,426	54,960	74,999	147,522	97,195	1,256,408	Feb-21	1,272	27,029
211,404	53,475	66,786	156,151	109,047	1,052,431	Mar-21	1,279	27,037
153,577	43,141	42,107	146,910	100,408	812,809	Apr-21	1,312	27,154
89,448	36,672	28,071	144,377	97,335	583,125	May-21	1,320	26,898
46,575	34,226	18,602	125,596	108,085	426,376	Jun-21	1,333	26,836
29,653	31,426	16,741	131,933	112,194	384,587	Jul-21	1,332	26,858
27,541	32,877	17,260	136,840	112,278	385,149	Aug-21	1,334	26,879
33,238	31,807	21,195	132,331	110,611	392,793	Sep-21	1,322	27,171
55,630	35,812	35,881	145,838	118,338	486,861	Oct-21	1,300	27,349
132,132	41,510	55,923	153,997	108,814	742,238	Nov-21	1,265	27,543
201,364	50,023	74,864	148,940	109,400	1,012,081	Dec-21	1,260	27,692
266,622	57,690	93,992	167,413	112,068	1,300,722	Jan-22	1,259	27,755
280,461	59,005	82,630	161,787	105,847	1,335,467	Feb-22	1,256	27,781
213,461	52,299	73,640	166,623	120,889	1,107,637	Mar-22	1,263	27,786
155,168	42,967	53,238	152,656	113,868	877,111	Apr-22	1,296	27,907
91,621	38,213	34,391	150,685	114,138	631,324	May-22	1,304	27,643
47,706	35,600	22,363	131,083	108,085	446,553	Jun-22	1,317	27,583
30,373	32,629	19,757	137,698	112,194	401,291	Jul-22	1,316	27,606
28,211	34,074	20,001	142,819	112,278	401,013	Aug-22	1,318	27,628
34,046	32,906	24,126	138,112	110,611	408,450	Sep-22	1,306	27,928
56,982	36,984	40,130	152,210	118,338	505,819	Oct-22	1,284	28,112

Northern Utilities, Inc.
New Hampshire Division
Actual Billed Meters

G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
5,083	821	731	278	34	33	3	34,145
5,121	825	736	278	34	32	3	34,235
5,121	824	737	278	34	32	3	34,374
5,128	826	736	278	35	32	3	34,425
5,109	828	735	278	35	32	3	34,415
5,079	835	733	278	35	32	3	34,449
4,973	847	729	278	35	33	3	34,408
4,894	854	727	276	35	33	3	34,282
4,909	849	722	275	35	33	3	34,306
4,933	842	721	276	34	32	3	34,343
4,991	837	723	277	34	32	3	34,670
5,168	820	728	278	34	32	3	34,987
5,210	823	718	271	32	32	3	35,166
5,271	830	703	260	29	33	3	35,346
5,282	831	704	260	29	33	3	35,420
5,304	830	705	261	29	33	3	35,466
5,298	834	704	262	29	33	3	35,479
5,231	853	705	262	30	33	3	35,583
5,091	857	710	263	29	32	3	35,203
4,962	864	733	266	30	32	3	35,059
4,927	859	753	265	30	32	3	35,059
4,951	852	751	266	30	31	3	35,097
5,010	847	754	267	30	31	3	35,435
5,187	829	759	268	31	31	3	35,757
5,229	832	748	261	30	31	3	35,942
5,291	840	733	265	29	32	3	36,145
5,302	841	734	265	29	32	3	36,220
5,324	840	735	266	29	32	3	36,266
5,318	844	734	267	29	32	3	36,276
5,250	863	735	267	30	32	3	36,383
5,110	867	740	268	29	31	3	35,995
4,980	874	764	271	30	31	3	35,853
4,945	869	785	270	30	31	3	35,855
4,969	862	783	271	30	30	3	35,894
5,029	857	786	272	30	30	3	36,241
5,206	839	791	273	31	30	3	36,569

			Col	1 R6 R11 Res Non- Heat	2 R5 R10 Res Heat	3 G40	4 G50	5 G41
Gas Year	Season	Gas Year / Season	Month			G40	G50	G41
2010-2011	Winter	2010-2011 Winter	Nov-10	2,621	104,626	51,507	16,453	75,221
2010-2011	Winter	2010-2011 Winter	Dec-10	3,710	191,530	108,201	21,384	133,775
2010-2011	Winter	2010-2011 Winter	Jan-11	5,002	287,019	177,237	28,267	209,246
2010-2011	Winter	2010-2011 Winter	Feb-11	5,331	321,775	191,515	29,865	218,642
2010-2011	Winter	2010-2011 Winter	Mar-11	4,459	250,187	146,630	25,223	175,140
2010-2011	Winter	2010-2011 Winter	Apr-11	3,851	188,233	102,158	22,020	130,920
2010-2011	Summer	2010-2011 Summer	May-11	2,674	96,347	44,404	16,611	68,898
2010-2011	Summer	2010-2011 Summer	Jun-11	2,265	57,942	22,105	15,878	45,070
2010-2011	Summer	2010-2011 Summer	Jul-11	2,121	37,861	13,291	15,232	26,793
2010-2011	Summer	2010-2011 Summer	Aug-11	1,684	30,381	11,220	14,405	21,567
2010-2011	Summer	2010-2011 Summer	Sep-11	1,901	33,803	13,858	15,750	27,746
2010-2011	Summer	2010-2011 Summer	Oct-11	1,872	40,922	19,559	13,699	36,256
2011-2012	Winter	2011-2012 Winter	Nov-11	2,835	107,782	57,552	17,602	81,415
2011-2012	Winter	2011-2012 Winter	Dec-11	3,374	145,730	86,623	19,238	108,267
2011-2012	Winter	2011-2012 Winter	Jan-12	5,006	254,728	158,210	26,434	176,305
2011-2012	Winter	2011-2012 Winter	Feb-12	4,868	248,932	156,638	25,621	173,481
2011-2012	Winter	2011-2012 Winter	Mar-12	4,353	211,403	126,076	23,272	143,938
2011-2012	Winter	2011-2012 Winter	Apr-12	3,239	132,054	74,413	19,178	93,911
2011-2012	Summer	2011-2012 Summer	May-12	2,449	82,376	41,196	15,926	59,104
2011-2012	Summer	2011-2012 Summer	Jun-12	2,188	49,473	22,555	15,723	37,526
2011-2012	Summer	2011-2012 Summer	Jul-12	1,735	36,166	14,477	15,062	24,902
2011-2012	Summer	2011-2012 Summer	Aug-12	1,627	31,340	12,598	14,908	22,228
2011-2012	Summer	2011-2012 Summer	Sep-12	1,742	34,156	14,175	15,901	25,962
2011-2012	Summer	2011-2012 Summer	Oct-12	1,700	49,470	22,530	11,748	38,902
2012-2013	Winter	2012-2013 Winter	Nov-12	2,343	103,684	55,946	12,184	79,592
2012-2013	Winter	2012-2013 Winter	Dec-12	3,478	203,847	122,098	15,266	144,754
2012-2013	Winter	2012-2013 Winter	Jan-13	4,333	268,320	168,545	17,535	185,476
2012-2013	Winter	2012-2013 Winter	Feb-13	4,775	305,657	197,535	18,632	213,870
2012-2013	Winter	2012-2013 Winter	Mar-13	3,948	243,394	154,010	16,291	171,785
2012-2013	Winter	2012-2013 Winter	Apr-13	3,324	179,981	104,672	14,167	124,251
2012-2013	Summer	2012-2013 Summer	May-13	2,454	92,585	48,377	12,579	66,381
2012-2013	Summer	2012-2013 Summer	Jun-13	2,788	53,140	24,216	13,339	38,424
2012-2013	Summer	2012-2013 Summer	Jul-13	840	33,739	13,484	12,152	21,615
2012-2013	Summer	2012-2013 Summer	Aug-13	1,600	32,286	14,604	12,909	22,544
2012-2013	Summer	2012-2013 Summer	Sep-13	1,580	33,702	12,525	13,185	25,284
2012-2013	Summer	2012-2013 Summer	Oct-13	1,677	45,054	19,413	11,758	38,620
2013-2014	Winter	2013-2014 Winter	Nov-13	2,480	127,417	69,111	14,188	101,404
2013-2014	Winter	2013-2014 Winter	Dec-13	3,424	240,645	144,060	16,794	176,912
2013-2014	Winter	2013-2014 Winter	Jan-14	4,446	329,133	208,543	21,696	256,946
2013-2014	Winter	2013-2014 Winter	Feb-14	4,383	326,147	209,040	21,801	240,061
2013-2014	Winter	2013-2014 Winter	Mar-14	4,153	297,305	189,617	20,561	229,143
2013-2014	Winter	2013-2014 Winter	Apr-14	3,317	206,825	118,340	17,466	153,128
2013-2014	Summer	2013-2014 Summer	May-14	2,484	107,292	54,134	14,722	80,458
2013-2014	Summer	2013-2014 Summer	Jun-14	2,019	54,241	22,589	13,648	38,641

2013-2014	Summer	2013-2014	Summer	Jul-14	1,843	35,924	13,661	14,059	23,769
2013-2014	Summer	2013-2014	Summer	Aug-14	1,680	31,297	11,734	13,515	21,288
2013-2014	Summer	2013-2014	Summer	Sep-14	1,619	34,211	13,257	13,454	25,215
2013-2014	Summer	2013-2014	Summer	Oct-14	1,826	56,904	23,127	13,156	43,124
2014-2015	Winter	2014-2015	Winter	Nov-14	2,211	121,486	62,244	12,813	94,948
2014-2015	Winter	2014-2015	Winter	Dec-14	3,318	234,251	131,799	16,905	176,912
2014-2015	Winter	2014-2015	Winter	Jan-15	4,028	319,280	190,353	19,891	236,696
2014-2015	Winter	2014-2015	Winter	Feb-15	4,655	382,282	238,021	22,228	287,097
2014-2015	Winter	2014-2015	Winter	Mar-15	4,067	324,665	196,902	20,377	231,688
2014-2015	Winter	2014-2015	Winter	Apr-15	3,073	211,001	116,177	16,646	152,477
2014-2015	Summer	2014-2015	Summer	May-15	2,022	82,345	39,193	12,954	57,402
2014-2015	Summer	2014-2015	Summer	Jun-15	1,853	50,959	19,537	14,444	34,053
2014-2015	Summer	2014-2015	Summer	Jul-15	1,701	35,845	12,670	13,627	22,873
2014-2015	Summer	2014-2015	Summer	Aug-15	1,544	31,900	10,641	13,585	18,452
2014-2015	Summer	2014-2015	Summer	Sep-15	1,400	33,145	10,781	12,954	24,550
2014-2015	Summer	2014-2015	Summer	Oct-15	1,501	58,274	24,248	11,348	49,044
2015-2016	Winter	2015-2016	Winter	Nov-15	1,744	111,369	53,699	12,028	87,893
2015-2016	Winter	2015-2016	Winter	Dec-15	2,222	184,248	96,655	13,850	142,085
2015-2016	Winter	2015-2016	Winter	Jan-16	2,722	259,355	149,936	15,704	200,242
2015-2016	Winter	2015-2016	Winter	Feb-16	2,937	298,883	171,803	17,308	221,616
2015-2016	Winter	2015-2016	Winter	Mar-16	2,603	244,212	136,931	16,359	184,218
2015-2016	Winter	2015-2016	Winter	Apr-16	2,155	168,300	89,949	13,946	126,401
2015-2016	Summer	2015-2016	Summer	May-16	1,858	103,203	47,373	12,333	76,642
2015-2016	Summer	2015-2016	Summer	Jun-16	1,582	47,048	18,464	13,202	36,412
2015-2016	Summer	2015-2016	Summer	Jul-16	1,458	31,787	10,265	11,695	21,588
2015-2016	Summer	2015-2016	Summer	Aug-16	1,367	33,521	11,432	13,651	23,970
2015-2016	Summer	2015-2016	Summer	Sep-16	1,304	32,367	11,596	13,002	25,599
2015-2016	Summer	2015-2016	Summer	Oct-16	1,360	55,464	24,691	11,574	48,860
2016-2017	Winter	2016-2017	Winter	Nov-16	1,596	121,679	66,235	12,318	96,927
2016-2017	Winter	2016-2017	Winter	Dec-16	2,278	229,360	137,630	15,051	166,983
2016-2017	Winter	2016-2017	Winter	Jan-17	2,735	298,061	184,796	16,626	214,165
2016-2017	Winter	2016-2017	Winter	Feb-17	2,637	281,153	177,712	16,252	204,706
2016-2017	Winter	2016-2017	Winter	Mar-17	2,488	261,796	164,234	16,306	192,852
2016-2017	Winter	2016-2017	Winter	Apr-17	2,387	215,602	128,689	15,053	149,133
2016-2017	Summer	2016-2017	Summer	May-17	1,814	109,098	55,154	13,496	78,365
2016-2017	Summer	2016-2017	Summer	Jun-17	1,637	67,241	28,088	13,917	47,846
2016-2017	Summer	2016-2017	Summer	Jul-17	1,481	38,740	14,522	13,880	27,858
2016-2017	Summer	2016-2017	Summer	Aug-17	1,426	33,718	12,740	14,042	25,962
2016-2017	Summer	2016-2017	Summer	Sep-17	1,491	36,555	14,849	14,471	28,715
2016-2017	Summer	2016-2017	Summer	Oct-17	1,328	43,327	18,888	12,296	37,686
2017-2018	Winter	2017-2018	Winter	Nov-17	1,744	95,489	52,952	12,060	78,959
2017-2018	Winter	2017-2018	Winter	Dec-17	3,238	260,718	155,754	16,796	182,744
2017-2018	Winter	2017-2018	Winter	Jan-18	4,682	407,701	269,858	20,878	288,710
2017-2018	Winter	2017-2018	Winter	Feb-18	3,628	309,552	198,558	18,167	220,668
2017-2018	Winter	2017-2018	Winter	Mar-18	2,421	253,584	159,910	16,435	185,314
2017-2018	Winter	2017-2018	Winter	Apr-18	2,317	226,110	135,474	17,414	156,283
2017-2018	Summer	2017-2018	Summer	May-18	1,783	108,610	59,547	14,175	80,320
2017-2018	Summer	2017-2018	Summer	Jun-18	1,443	53,193	23,231	13,850	41,006
2017-2018	Summer	2017-2018	Summer	Jul-18	1,183	35,218	13,996	12,477	25,699
2017-2018	Summer	2017-2018	Summer	Aug-18	1,239	30,344	13,539	13,218	26,515
2017-2018	Summer	2017-2018	Summer	Sep-18	1,163	31,472	13,676	12,353	27,166
2017-2018	Summer	2017-2018	Summer	Oct-18	1,320	57,316	28,784	14,884	53,097

2018-2019 Winter	2018-2019 Winter	Nov-18	1,970	161,685	91,215	17,652	126,970
2018-2019 Winter	2018-2019 Winter	Dec-18	2,913	295,236	170,659	22,205	208,448
2018-2019 Winter	2018-2019 Winter	Jan-19	3,038	322,769	200,234	25,966	239,834
2018-2019 Winter	2018-2019 Winter	Feb-19	3,226	351,876	215,123	26,206	247,443
2018-2019 Winter	2018-2019 Winter	Mar-19	2,747	307,433	193,645	22,688	226,267
2018-2019 Winter	2018-2019 Winter	Apr-19	2,127	202,832	119,543	17,793	145,254
2018-2019 Summer	2018-2019 Summer	May-19	1,702	117,979	62,837	13,249	85,130
2018-2019 Summer	2018-2019 Summer	Jun-19	1,393	56,303	26,353	11,603	40,832
2018-2019 Summer	2018-2019 Summer	Jul-19	1,331	37,841	16,117	12,236	26,404
2018-2019 Summer	2018-2019 Summer	Aug-19	1,200	32,343	14,589	11,674	23,036
2018-2019 Summer	2018-2019 Summer	Sep-19	1,150	32,410	15,630	10,990	28,593
2018-2019 Summer	2018-2019 Summer	Oct-19	1,393	59,630	28,296	12,296	51,101
2019-2020 Winter	2019-2020 Winter	Nov-19	1,675	135,684	71,907	12,029	112,421
2019-2020 Winter	2019-2020 Winter	Dec-19	2,685	272,862	153,417	14,721	210,053
2019-2020 Winter	2019-2020 Winter	Jan-20	2,911	305,719	180,036	16,259	246,873
2019-2020 Winter	2019-2020 Winter	Feb-20	2,838	311,500	176,120	16,376	240,774
2019-2020 Winter	2019-2020 Winter	Mar-20	2,603	265,282	147,172	15,689	207,739
2019-2020 Winter	2019-2020 Winter	Apr-20	2,127	185,025	93,483	9,890	133,556
2019-2020 Summer	2019-2020 Summer	May-20	1,866	132,059	60,493	9,148	92,787
2019-2020 Summer	2019-2020 Summer	Jun-20	1,474	56,020	20,725	10,100	40,139
2019-2020 Summer	2019-2020 Summer	Jul-20	1,261	36,436	11,613	11,018	25,989
2019-2020 Summer	2019-2020 Summer	Aug-20	1,129	30,323	9,914	10,602	15,123
2019-2020 Summer	2019-2020 Summer	Sep-20	1,402	39,149	15,666	12,654	31,697
2019-2020 Summer	2019-2020 Summer	Oct-20	1,285	55,366	22,927	10,051	49,189
2020-2021 Winter	2020-2021 Winter	Nov-20	1,754	127,469	70,308	11,469	108,933
2020-2021 Winter	2020-2021 Winter	Dec-20	2,511	231,038	136,030	14,121	182,096
2020-2021 Winter	2020-2021 Winter	Jan-21	3,107	302,774	176,144	15,786	230,097
2020-2021 Winter	2020-2021 Winter	Feb-21	3,319	339,500	206,623	17,001	259,858
2020-2021 Winter	2020-2021 Winter	Mar-21	3,211	322,165	191,373	17,813	245,043
2020-2021 Winter	2020-2021 Winter	Apr-21	1,995	162,759	86,868	13,154	127,142

Northern Utilities, Inc. New Hampshire Division Actual Billed Volumes - (Dth)								
6	7	8	9	10	11	12	13	14
G51	G42	G52	Spc Cont					
G51	G42	G52	Special Contracts	Total Division	Residential	LLF	HLF	Special Contracts
30,636	60,825	97,253	82,428	521,570	107,248	187,553	144,341	82,428
37,879	74,995	129,198	82,268	782,939	195,240	316,971	188,460	82,268
49,310	82,378	145,561	89,302	1,073,321	292,021	468,861	223,137	89,302
49,428	71,553	129,571	79,395	1,097,075	327,106	481,710	208,864	79,395
43,875	63,786	133,043	86,745	929,088	254,646	385,556	202,141	86,745
39,801	38,573	103,804	77,978	707,337	192,084	271,650	165,625	77,978
29,641	22,163	89,520	80,252	450,511	99,021	135,466	135,772	80,252
28,341	18,767	78,191	72,113	340,672	60,207	85,942	122,410	72,113
26,707	12,903	75,703	67,248	277,859	39,982	52,986	117,642	67,248
24,624	18,931	78,327	76,021	277,161	32,065	51,718	117,357	76,021
26,529	29,643	81,598	74,829	305,657	35,704	71,247	123,877	74,829
25,957	30,748	97,268	75,920	342,200	42,794	86,563	136,923	75,920
31,157	38,718	111,885	79,395	528,341	110,616	177,685	160,644	79,395
36,132	50,838	127,887	83,725	661,815	149,104	245,729	183,257	83,725
43,442	55,256	141,126	85,119	945,625	259,735	389,770	211,001	85,119
42,397	48,963	125,666	78,022	904,587	253,800	379,082	193,684	78,022
39,218	39,344	124,035	88,539	800,179	215,756	309,359	186,526	88,539
33,950	26,289	102,473	85,523	571,029	135,293	194,613	155,601	85,523
29,629	19,646	94,307	84,629	429,260	84,825	119,945	139,861	84,629
27,155	22,704	83,663	87,166	348,153	51,661	82,786	126,540	87,166
24,737	20,327	84,218	78,554	300,179	37,901	59,706	124,017	78,554
27,565	25,543	81,139	85,293	302,241	32,967	60,369	123,612	85,293
27,285	27,272	80,614	76,232	303,338	35,898	67,409	123,799	76,232
30,527	19,807	96,385	90,245	361,315	51,170	81,240	138,661	90,245
35,750	51,549	126,122	82,337	549,507	106,027	187,087	174,056	82,337
44,439	57,664	129,175	81,479	802,198	207,325	324,515	188,879	81,479
48,933	66,889	153,356	88,405	1,001,792	272,653	420,910	219,824	88,405
52,154	69,607	132,921	81,109	1,076,260	310,432	481,012	203,707	81,109
47,059	62,290	140,515	88,502	927,794	247,341	388,085	203,865	88,502
41,125	43,688	113,290	90,538	715,037	183,306	272,611	168,582	90,538
37,736	28,197	110,933	84,810	484,053	95,039	142,955	161,248	84,810
32,754	29,160	101,132	82,063	377,016	55,928	91,800	147,225	82,063
28,839	22,983	91,314	85,590	310,556	34,579	58,082	132,305	85,590
31,178	26,902	92,994	85,374	320,392	33,886	64,050	137,081	85,374
35,140	17,738	106,537	82,568	328,259	35,282	55,547	154,863	82,568
34,202	30,844	119,710	95,266	396,543	46,731	88,877	165,669	95,266
43,009	53,630	145,187	88,759	645,185	129,897	224,145	202,383	88,759
49,463	72,532	135,677	88,247	927,753	244,069	393,504	201,934	88,247
61,171	85,819	144,418	81,900	1,194,071	333,580	551,308	227,284	81,900
61,532	74,278	144,421	81,869	1,163,532	330,531	523,379	227,754	81,869
58,441	69,957	139,893	93,291	1,102,360	301,458	488,717	218,895	93,291
47,827	40,936	122,345	96,520	806,704	210,142	312,404	187,638	96,520
41,197	21,952	121,052	85,867	529,156	109,775	156,543	176,971	85,867
34,849	15,639	143,292	89,505	414,423	56,260	76,869	191,789	89,505

33,319	13,720	106,891	90,354	333,540	37,767	51,150	154,269	90,354
32,374	15,094	114,535	86,002	327,519	32,977	48,117	160,424	86,002
31,570	24,833	107,362	87,619	339,140	35,830	63,304	152,387	87,619
35,357	34,924	114,564	92,948	415,928	58,729	101,175	163,077	92,948
35,692	64,457	134,748	82,753	611,351	123,697	221,648	183,253	82,753
46,505	86,586	130,325	92,827	919,428	237,569	395,297	193,735	92,827
54,282	113,290	163,134	76,452	1,177,406	323,308	540,339	237,306	76,452
58,500	117,160	152,511	68,537	1,330,991	386,937	642,278	233,239	68,537
54,563	95,528	164,283	101,760	1,193,833	328,732	524,118	239,222	101,760
44,045	56,791	138,465	98,798	837,472	214,075	325,445	199,155	98,798
35,997	29,330	115,686	88,441	463,371	84,367	125,926	164,637	88,441
31,807	22,950	137,576	93,180	406,358	52,812	76,539	183,827	93,180
29,078	18,439	151,242	92,081	377,555	37,546	53,982	193,947	92,081
28,429	18,098	112,067	93,625	328,341	33,444	47,191	154,082	93,625
30,198	25,267	132,996	91,973	363,264	34,545	60,597	176,148	91,973
31,754	38,893	153,290	95,790	464,142	59,775	112,185	196,392	95,790
33,636	54,057	154,011	86,270	594,707	113,113	195,649	199,674	86,270
41,283	72,006	146,805	94,047	793,202	186,471	310,746	201,938	94,047
45,160	98,764	172,048	100,602	1,044,531	262,076	448,941	232,912	100,602
49,029	96,087	156,846	98,396	1,112,904	301,820	489,505	223,182	98,396
43,090	78,555	153,718	106,853	966,540	246,815	399,704	213,167	106,853
38,198	62,924	140,270	104,258	746,400	170,454	279,274	192,414	104,258
34,869	40,240	129,471	100,438	546,425	105,061	164,254	176,672	100,438
31,280	23,993	123,219	93,403	388,602	48,629	78,869	167,701	93,403
25,821	20,286	119,554	87,838	330,291	33,245	52,138	157,070	87,838
29,597	20,277	131,188	97,108	362,108	34,887	55,678	174,435	97,108
28,895	24,149	128,245	97,322	362,479	33,672	61,344	170,142	97,322
31,542	39,357	135,556	102,509	450,914	56,824	112,909	178,672	102,509
34,547	56,495	148,231	94,384	632,412	123,275	219,658	195,095	94,384
41,581	84,839	138,843	97,454	914,019	231,638	389,452	195,475	97,454
47,852	89,671	145,104	97,058	1,096,068	300,796	488,632	209,582	97,058
45,496	82,423	127,317	93,521	1,031,216	283,790	464,841	189,065	93,521
46,641	90,928	151,325	105,247	1,031,817	264,284	448,014	214,273	105,247
40,876	54,499	123,002	105,288	834,527	217,989	332,320	178,930	105,288
35,950	36,231	127,847	110,582	568,537	110,912	169,750	177,293	110,582
33,788	18,809	95,619	78,534	385,479	68,878	94,742	143,324	78,534
30,609	20,773	123,674	115,968	387,504	40,221	63,152	168,163	115,968
30,900	21,624	122,655	102,999	366,064	35,144	60,326	167,597	102,999
30,199	26,201	109,537	94,826	356,844	38,046	69,765	154,207	94,826
33,139	36,466	130,224	114,371	427,725	44,655	93,040	175,659	114,371
33,179	63,592	151,598	91,508	581,080	97,232	195,503	196,837	91,508
46,618	97,622	140,233	99,860	1,003,583	263,956	436,120	203,647	99,860
58,008	111,421	141,460	100,734	1,403,452	412,383	669,989	220,346	100,734
50,032	83,837	135,403	90,222	1,110,067	313,180	503,063	203,602	90,222
44,308	85,159	142,645	108,467	998,242	256,005	430,383	203,387	108,467
40,768	67,527	137,250	106,526	889,669	228,427	359,284	195,431	106,526
35,127	36,132	130,263	108,596	574,552	110,393	175,998	179,564	108,596
34,129	26,879	112,335	103,286	409,352	54,636	91,116	160,314	103,286
27,096	21,600	117,382	98,112	352,762	36,402	61,295	156,954	98,112
29,537	19,286	133,438	102,721	369,837	31,583	59,339	176,193	102,721
27,964	22,419	133,083	100,974	370,269	32,634	63,262	173,400	100,974
33,267	41,059	147,444	108,383	485,553	58,636	122,939	195,595	108,383

45,700	66,583	151,817	102,394	765,985	163,655	284,768	215,168	102,394
56,312	81,080	133,837	96,960	1,067,650	298,150	460,187	212,354	96,960
57,723	87,995	156,211	106,452	1,200,221	325,807	528,062	239,900	106,452
58,255	78,697	148,348	100,754	1,229,927	355,102	541,263	232,809	100,754
56,329	70,981	152,386	115,342	1,147,817	310,179	490,893	231,403	115,342
49,220	48,589	146,759	111,329	843,446	204,959	313,386	213,772	111,329
41,357	35,073	164,280	110,545	632,151	119,680	183,040	218,886	110,545
34,769	22,756	133,694	102,698	430,401	57,697	89,941	180,066	102,698
37,078	19,656	137,883	102,480	391,025	39,172	62,177	187,197	102,480
33,313	19,550	140,209	104,860	380,773	33,543	57,175	185,195	104,860
30,662	20,947	129,854	104,946	375,182	33,560	65,170	171,506	104,946
42,375	37,539	146,630	106,154	485,413	61,023	116,935	201,301	106,154
41,455	72,261	147,032	103,723	698,186	137,359	256,588	200,516	103,723
51,777	87,598	122,171	101,155	1,016,439	275,547	451,068	188,669	101,155
57,434	88,313	128,586	103,881	1,130,011	308,630	515,221	202,278	103,881
56,404	84,226	145,847	99,704	1,133,789	314,338	501,121	218,627	99,704
53,572	71,041	133,453	108,900	1,005,451	267,885	425,952	202,714	108,900
30,746	53,047	134,137	65,056	707,067	187,152	280,086	174,773	65,056
27,525	34,106	128,182	79,328	565,494	133,925	187,386	164,855	79,328
26,239	21,822	127,368	92,217	396,103	57,495	82,686	163,706	92,217
27,266	18,456	122,024	93,203	347,265	37,696	56,059	160,307	93,203
25,606	19,159	128,273	90,584	330,714	31,451	44,197	164,482	90,584
31,081	24,388	137,321	93,563	386,921	40,551	71,751	181,056	93,563
29,976	40,424	138,729	104,472	452,419	56,652	112,540	178,756	104,472
36,353	57,394	138,289	97,964	649,932	129,223	236,634	186,111	97,964
44,749	69,975	156,214	91,992	928,725	233,549	388,101	215,083	91,992
49,132	73,324	161,043	104,701	1,116,107	305,880	479,565	225,961	104,701
53,397	73,825	147,522	97,195	1,198,238	342,819	540,306	217,919	97,195
56,666	62,747	156,151	109,047	1,164,215	325,375	499,163	230,630	109,047
40,637	40,688	146,910	100,408	720,559	164,754	254,697	200,700	100,408

15	Col	Ne						
		Ne						
		A						
		1	2	3	4	5	6	7
		R6	R5	G40	G50	G41	G51	G42
		R11	R10					
Total	Month	Res Non-	Res Heat	G40	G50	G41	G51	G42
Division		Heat						
521,570	Nov-10	1,623	20,435	4,449	948	557	234	30
782,939	Dec-10	1,606	20,512	4,489	947	559	234	30
1,073,321	Jan-11	1,600	20,558	4,509	948	562	233	30
1,097,075	Feb-11	1,600	20,585	4,523	947	562	233	30
929,088	Mar-11	1,598	20,618	4,524	962	563	233	30
707,337	Apr-11	1,628	20,682	4,493	979	565	232	30
450,511	May-11	1,656	20,642	4,444	1,000	563	231	30
340,672	Jun-11	1,663	20,552	4,422	994	561	229	29
277,859	Jul-11	1,660	20,448	4,410	986	561	230	27
277,161	Aug-11	1,656	20,413	4,397	977	560	229	27
305,657	Sep-11	1,639	20,478	4,444	966	562	229	27
342,200	Oct-11	1,604	20,637	4,528	940	563	230	26
528,341	Nov-11	1,590	20,773	4,589	934	568	231	26
661,815	Dec-11	1,572	20,859	4,635	917	569	231	26
945,625	Jan-12	1,567	20,922	4,651	919	569	234	26
904,587	Feb-12	1,563	20,945	4,658	922	567	234	26
800,179	Mar-12	1,562	20,970	4,633	931	565	233	26
571,029	Apr-12	1,577	21,015	4,604	957	565	232	26
429,260	May-12	1,608	21,004	4,571	976	564	232	26
348,153	Jun-12	1,535	21,062	4,536	982	563	232	26
300,179	Jul-12	1,528	21,103	4,515	979	563	232	26
302,241	Aug-12	1,524	21,095	4,514	974	565	232	26
303,338	Sep-12	1,512	21,176	4,614	901	540	253	26
361,315	Oct-12	1,466	21,319	4,735	852	541	257	25
549,507	Nov-12	1,457	21,449	4,790	844	546	259	25
802,198	Dec-12	1,451	21,541	4,805	843	545	260	25
1,001,792	Jan-13	1,444	21,604	4,832	842	548	258	25
1,076,260	Feb-13	1,448	21,631	4,826	840	546	258	25
927,794	Mar-13	1,453	21,643	4,823	849	547	258	25
715,037	Apr-13	1,483	21,720	4,789	867	547	257	26
484,053	May-13	1,511	21,672	4,723	885	546	259	26
377,016	Jun-13	1,507	21,641	4,705	882	547	259	26
310,556	Jul-13	1,503	21,588	4,685	877	548	257	25
320,392	Aug-13	1,627	21,496	4,668	887	562	249	25
328,259	Sep-13	1,602	21,536	4,704	891	563	256	24
396,543	Oct-13	1,572	21,719	4,804	860	566	260	24
645,185	Nov-13	1,556	21,887	4,862	854	570	260	24
927,753	Dec-13	1,554	22,010	4,891	856	570	261	24
1,194,071	Jan-14	1,550	22,074	4,932	851	574	261	24
1,163,532	Feb-14	1,546	22,095	4,939	852	576	260	24
1,102,360	Mar-14	1,554	22,133	4,936	862	575	260	24
806,704	Apr-14	1,581	22,161	4,898	877	575	261	24
529,156	May-14	1,625	22,046	4,832	899	578	259	24
414,423	Jun-14	1,628	22,026	4,763	897	580	258	24

333,540	Jul-14	1,618	22,002	4,674	895	580	258	23
327,519	Aug-14	1,554	22,103	4,650	864	633	255	25
339,140	Sep-14	1,547	22,303	4,683	852	648	250	34
415,928	Oct-14	1,504	22,583	4,842	821	658	250	36
611,351	Nov-14	1,483	22,769	4,916	820	663	252	36
919,428	Dec-14	1,476	22,885	4,939	827	674	252	36
1,177,406	Jan-15	1,467	22,932	4,961	829	672	254	36
1,330,991	Feb-15	1,473	22,952	4,965	829	673	255	36
1,193,833	Mar-15	1,473	22,966	4,949	836	676	255	37
837,472	Apr-15	1,506	22,999	4,863	855	677	254	36
463,371	May-15	1,527	22,912	4,758	873	678	255	36
406,358	Jun-15	1,541	22,802	4,708	871	677	253	36
377,555	Jul-15	1,540	22,716	4,693	865	678	252	35
328,341	Aug-15	1,448	22,877	4,655	844	691	257	37
363,264	Sep-15	1,421	22,956	4,694	831	703	256	37
464,142	Oct-15	1,390	23,189	4,903	808	706	257	38
594,707	Nov-15	1,375	23,356	4,967	797	712	258	38
793,202	Dec-15	1,379	23,450	4,984	796	719	259	38
1,044,531	Jan-16	1,372	23,516	5,004	794	721	259	39
1,112,904	Feb-16	1,368	23,567	5,016	791	723	259	40
966,540	Mar-16	1,374	23,626	4,992	803	725	259	39
746,400	Apr-16	1,412	23,627	4,920	819	722	259	39
546,425	May-16	1,428	23,577	4,813	834	721	258	40
388,602	Jun-16	1,428	23,577	4,813	834	721	258	40
330,291	Jul-16	1,437	23,409	4,715	826	722	257	40
362,108	Aug-16	1,410	23,364	4,756	885	636	228	38
362,479	Sep-16	1,379	23,549	4,873	822	633	258	34
450,914	Oct-16	1,339	23,747	5,027	791	635	259	33
632,412	Nov-16	1,327	23,906	5,098	790	634	259	34
914,019	Dec-16	1,325	24,017	5,152	793	646	262	33
1,096,068	Jan-17	1,330	24,065	5,143	797	644	262	33
1,031,216	Feb-17	1,330	24,102	5,145	795	645	262	34
1,031,817	Mar-17	1,327	24,113	5,137	800	644	262	34
834,527	Apr-17	1,358	24,142	5,049	807	641	262	32
568,537	May-17	1,384	24,041	4,938	819	643	258	32
385,479	Jun-17	1,395	23,995	4,860	820	634	259	32
387,504	Jul-17	1,401	23,998	4,852	822	629	258	32
366,064	Aug-17	1,406	24,153	4,834	821	630	256	32
356,844	Sep-17	1,390	24,316	4,854	813	637	258	32
427,725	Oct-17	1,365	24,457	4,985	802	640	258	32
581,080	Nov-17	1,337	24,692	5,127	781	646	258	32
1,003,583	Dec-17	1,332	24,778	5,172	782	646	258	33
1,403,452	Jan-18	1,326	24,809	5,197	784	646	257	33
1,110,067	Feb-18	1,324	24,831	5,204	780	647	258	32
998,242	Mar-18	1,292	24,881	5,212	788	647	258	32
889,669	Apr-18	1,314	24,911	5,169	803	646	257	32
574,552	May-18	1,350	24,828	5,028	815	643	257	32
409,352	Jun-18	1,350	24,753	4,947	819	634	254	32
352,762	Jul-18	1,352	24,695	4,903	809	632	253	32
369,837	Aug-18	1,350	24,691	4,899	806	631	253	31
370,269	Sep-18	1,336	24,833	4,899	816	665	261	31
485,553	Oct-18	1,299	25,107	5,063	832	674	283	33

765,985	Nov-18	1,266	25,326	5,154	812	675	283	33
1,067,650	Dec-18	1,266	25,433	5,177	812	675	283	33
1,200,221	Jan-19	1,265	25,563	5,191	815	677	282	31
1,229,927	Feb-19	1,252	25,636	5,200	813	677	281	31
1,147,817	Mar-19	1,249	25,647	5,192	818	676	280	30
843,446	Apr-19	1,276	25,631	5,127	829	673	280	30
632,151	May-19	1,311	25,559	5,020	842	667	278	30
430,401	Jun-19	1,316	25,436	4,910	837	666	278	30
391,025	Jul-19	1,311	25,276	4,864	835	665	279	30
380,773	Aug-19	1,311	25,278	4,847	833	663	279	30
375,182	Sep-19	1,292	25,439	4,852	833	677	286	30
485,413	Oct-19	1,261	25,688	4,968	829	726	278	33
698,186	Nov-19	1,244	25,918	5,083	821	731	278	34
1,016,439	Dec-19	1,234	25,972	5,121	825	736	278	34
1,130,011	Jan-20	1,293	26,052	5,121	824	737	278	34
1,133,789	Feb-20	1,291	26,096	5,128	826	736	278	35
1,005,451	Mar-20	1,292	26,103	5,109	828	735	278	35
707,067	Apr-20	1,305	26,149	5,079	835	733	278	35
565,494	May-20	1,336	26,174	4,973	847	729	278	35
396,103	Jun-20	1,350	26,110	4,894	854	727	276	35
347,265	Jul-20	1,349	26,131	4,909	849	722	275	35
330,714	Aug-20	1,351	26,151	4,933	842	721	276	34
386,921	Sep-20	1,338	26,435	4,991	837	723	277	34
452,419	Oct-20	1,316	26,608	5,168	820	728	278	34
649,932	Nov-20	1,281	26,796	5,210	823	718	271	32
928,725	Dec-20	1,276	26,941	5,271	830	703	260	29
1,116,107	Jan-21	1,275	27,003	5,282	831	704	260	29
1,198,238	Feb-21	1,272	27,029	5,304	830	705	261	29
1,164,215	Mar-21	1,279	27,037	5,298	834	704	262	29
720,559	Apr-21	1,312	27,154	5,231	853	705	262	30

northern Utilities, Inc.
New Hampshire Division
Actual Billed Meters

8	9	10	11	12	13	14	15
G52	Spc Cont						
G52	Special Contracts	Total Division	Residential	LLF	HLF	Special Contracts	Total Division
27	3	28,306	22,058	5,036	1,209	3	28,306
27	3	28,407	22,118	5,078	1,208	3	28,407
28	3	28,471	22,158	5,101	1,209	3	28,471
28	3	28,511	22,185	5,115	1,208	3	28,511
28	3	28,559	22,216	5,117	1,223	3	28,559
28	3	28,640	22,310	5,088	1,239	3	28,640
28	3	28,597	22,298	5,037	1,259	3	28,597
29	3	28,482	22,215	5,012	1,252	3	28,482
29	3	28,354	22,108	4,998	1,245	3	28,354
29	3	28,291	22,069	4,984	1,235	3	28,291
29	3	28,377	22,117	5,033	1,224	3	28,377
31	3	28,562	22,241	5,117	1,201	3	28,562
31	3	28,745	22,363	5,183	1,196	3	28,745
31	3	28,843	22,431	5,230	1,179	3	28,843
31	3	28,922	22,489	5,246	1,184	3	28,922
31	3	28,949	22,508	5,251	1,187	3	28,949
31	3	28,954	22,532	5,224	1,195	3	28,954
31	3	29,010	22,592	5,195	1,220	3	29,010
31	3	29,015	22,612	5,161	1,239	3	29,015
31	3	28,970	22,597	5,125	1,245	3	28,970
31	3	28,980	22,631	5,104	1,242	3	28,980
31	3	28,964	22,619	5,105	1,237	3	28,964
32	3	29,057	22,688	5,180	1,186	3	29,057
33	3	29,231	22,785	5,301	1,142	3	29,231
33	3	29,406	22,906	5,361	1,136	3	29,406
32	3	29,505	22,992	5,375	1,135	3	29,505
32	3	29,588	23,048	5,405	1,132	3	29,588
32	3	29,609	23,079	5,397	1,130	3	29,609
32	3	29,633	23,096	5,395	1,139	3	29,633
34	3	29,726	23,203	5,362	1,158	3	29,726
34	3	29,659	23,183	5,295	1,178	3	29,659
34	3	29,604	23,148	5,278	1,175	3	29,604
34	3	29,520	23,091	5,258	1,168	3	29,520
34	3	29,551	23,123	5,255	1,170	3	29,551
29	3	29,608	23,138	5,291	1,176	3	29,608
29	3	29,837	23,291	5,394	1,149	3	29,837
29	3	30,045	23,443	5,456	1,143	3	30,045
29	3	30,198	23,564	5,485	1,146	3	30,198
29	3	30,298	23,624	5,530	1,141	3	30,298
29	3	30,324	23,641	5,539	1,141	3	30,324
29	3	30,376	23,687	5,535	1,151	3	30,376
29	3	30,409	23,742	5,497	1,167	3	30,409
29	3	30,295	23,671	5,434	1,187	3	30,295
29	3	30,208	23,654	5,367	1,184	3	30,208

29	3	30,082	23,620	5,277	1,182	3	30,082
29	3	30,116	23,657	5,308	1,148	3	30,116
28	3	30,348	23,850	5,365	1,130	3	30,348
28	3	30,725	24,087	5,536	1,099	3	30,725
28	3	30,970	24,252	5,615	1,100	3	30,970
29	3	31,121	24,361	5,649	1,108	3	31,121
31	3	31,185	24,399	5,669	1,114	3	31,185
31	3	31,217	24,425	5,674	1,115	3	31,217
31	3	31,226	24,439	5,662	1,122	3	31,226
32	3	31,225	24,505	5,576	1,141	3	31,225
33	3	31,075	24,439	5,472	1,161	3	31,075
33	3	30,924	24,343	5,421	1,157	3	30,924
33	3	30,815	24,256	5,406	1,150	3	30,815
32	3	30,844	24,325	5,383	1,133	3	30,844
33	3	30,934	24,377	5,434	1,120	3	30,934
33	3	31,327	24,579	5,647	1,098	3	31,327
33	3	31,539	24,731	5,717	1,088	3	31,539
33	3	31,661	24,829	5,741	1,088	3	31,661
33	3	31,741	24,888	5,764	1,086	3	31,741
32	3	31,799	24,935	5,779	1,082	3	31,799
32	3	31,853	25,000	5,756	1,094	3	31,853
32	3	31,833	25,039	5,681	1,110	3	31,833
32	3	31,706	25,005	5,574	1,124	3	31,706
32	3	31,706	25,005	5,574	1,124	3	31,706
32	3	31,441	24,846	5,477	1,115	3	31,441
31	3	31,351	24,774	5,430	1,144	3	31,351
32	3	31,583	24,928	5,540	1,112	3	31,583
32	3	31,866	25,086	5,695	1,082	3	31,866
32	3	32,083	25,233	5,766	1,081	3	32,083
32	3	32,263	25,342	5,831	1,087	3	32,263
32	3	32,309	25,395	5,820	1,091	3	32,309
32	3	32,348	25,432	5,824	1,089	3	32,348
32	3	32,352	25,440	5,815	1,094	3	32,352
33	3	32,327	25,500	5,722	1,102	3	32,327
33	3	32,151	25,425	5,613	1,110	3	32,151
33	3	32,031	25,390	5,526	1,112	3	32,031
33	3	32,028	25,399	5,513	1,113	3	32,028
33	3	32,168	25,559	5,496	1,110	3	32,168
33	3	32,336	25,706	5,523	1,104	3	32,336
33	3	32,575	25,822	5,657	1,093	3	32,575
33	3	32,909	26,029	5,805	1,072	3	32,909
33	3	33,037	26,110	5,851	1,073	3	33,037
33	3	33,088	26,135	5,876	1,074	3	33,088
33	3	33,112	26,155	5,883	1,071	3	33,112
33	3	33,146	26,173	5,891	1,079	3	33,146
34	3	33,169	26,225	5,847	1,094	3	33,169
34	3	32,990	26,178	5,703	1,106	3	32,990
34	3	32,826	26,103	5,613	1,107	3	32,826
34	3	32,713	26,047	5,567	1,096	3	32,713
34	3	32,698	26,041	5,561	1,093	3	32,698
34	3	32,878	26,169	5,595	1,111	3	32,878
33	3	33,327	26,406	5,770	1,148	3	33,327

33	3	33,585	26,592	5,862	1,128	3	33,585
33	3	33,715	26,699	5,885	1,128	3	33,715
33	3	33,860	26,828	5,899	1,130	3	33,860
33	3	33,926	26,888	5,908	1,127	3	33,926
33	3	33,928	26,896	5,898	1,131	3	33,928
33	3	33,882	26,907	5,830	1,142	3	33,882
33	3	33,743	26,870	5,717	1,153	3	33,743
33	3	33,509	26,752	5,606	1,148	3	33,509
33	3	33,296	26,587	5,559	1,147	3	33,296
33	3	33,277	26,589	5,540	1,145	3	33,277
33	3	33,445	26,731	5,559	1,152	3	33,445
33	3	33,819	26,949	5,727	1,140	3	33,819
33	3	34,145	27,162	5,848	1,132	3	34,145
32	3	34,235	27,206	5,891	1,135	3	34,235
32	3	34,374	27,345	5,892	1,134	3	34,374
32	3	34,425	27,387	5,899	1,136	3	34,425
32	3	34,415	27,395	5,879	1,138	3	34,415
32	3	34,449	27,454	5,847	1,145	3	34,449
33	3	34,408	27,510	5,737	1,158	3	34,408
33	3	34,282	27,460	5,656	1,163	3	34,282
33	3	34,306	27,480	5,666	1,157	3	34,306
32	3	34,343	27,502	5,688	1,150	3	34,343
32	3	34,670	27,773	5,748	1,146	3	34,670
32	3	34,987	27,924	5,930	1,130	3	34,987
32	3	35,166	28,077	5,960	1,126	3	35,166
33	3	35,346	28,217	6,003	1,123	3	35,346
33	3	35,420	28,278	6,015	1,124	3	35,420
33	3	35,466	28,301	6,038	1,124	3	35,466
33	3	35,479	28,316	6,031	1,129	3	35,479
33	3	35,583	28,466	5,966	1,148	3	35,583

Total			Total		
521,570	521,570	-	28,306	28,306	-
782,939	782,939	-	28,407	28,407	-
1,073,321	1,073,321	-	28,471	28,471	-
1,097,075	1,097,075	-	28,511	28,511	-
929,088	929,088	-	28,559	28,559	-
707,337	707,337	-	28,640	28,640	-
450,511	450,511	-	28,597	28,597	-
340,672	340,672	-	28,482	28,482	-
277,859	277,859	-	28,354	28,354	-
277,161	277,161	-	28,291	28,291	-
305,657	305,657	-	28,377	28,377	-
342,200	342,200	-	28,562	28,562	-
528,341	528,341	-	28,745	28,745	-
661,815	661,815	-	28,843	28,843	-
945,625	945,625	-	28,922	28,922	-
904,587	904,587	-	28,949	28,949	-
800,179	800,179	-	28,954	28,954	-
571,029	571,029	-	29,010	29,010	-
429,260	429,260	-	29,015	29,015	-
348,153	348,153	-	28,970	28,970	-
300,179	300,179	-	28,980	28,980	-
302,241	302,241	-	28,964	28,964	-
303,338	303,338	-	29,057	29,057	-
361,315	361,315	-	29,231	29,231	-
549,507	549,507	-	29,406	29,406	-
802,198	802,198	-	29,505	29,505	-
1,001,792	1,001,792	-	29,588	29,588	-
1,076,260	1,076,260	-	29,609	29,609	-
927,794	927,794	-	29,633	29,633	-
715,037	715,037	-	29,726	29,726	-
484,053	484,053	-	29,659	29,659	-
377,016	377,016	-	29,604	29,604	-
310,556	310,556	-	29,520	29,520	-
320,392	320,392	-	29,551	29,551	-
328,259	328,259	-	29,608	29,608	-
396,543	396,543	-	29,837	29,837	-
645,185	645,185	-	30,045	30,045	-
927,753	927,753	-	30,198	30,198	-
1,194,071	1,194,071	-	30,298	30,298	-
1,163,532	1,163,532	-	30,324	30,324	-
1,102,360	1,102,360	-	30,376	30,376	-
806,704	806,704	-	30,409	30,409	-
529,156	529,156	-	30,295	30,295	-
414,423	414,423	-	30,208	30,208	-

333,540	333,540	-	30,082	30,082	-
327,519	327,519	-	30,116	30,116	-
339,140	339,140	-	30,348	30,348	-
415,928	415,928	-	30,725	30,725	-
611,351	611,351	-	30,970	30,970	-
919,428	919,428	-	31,121	31,121	-
1,177,406	1,177,406	-	31,185	31,185	-
1,330,991	1,330,991	-	31,217	31,217	-
1,193,833	1,193,833	-	31,226	31,226	-
837,472	837,472	-	31,225	31,225	-
463,371	463,371	-	31,075	31,075	-
406,358	406,358	-	30,924	30,924	-
377,555	377,555	-	30,815	30,815	-
328,341	328,341	-	30,844	30,844	-
363,264	363,264	-	30,934	30,934	-
464,142	464,142	-	31,327	31,327	-
594,707	594,707	-	31,539	31,539	-
793,202	793,202	-	31,661	31,661	-
1,044,531	1,044,531	-	31,741	31,741	-
1,112,904	1,112,904	-	31,799	31,799	-
966,540	966,540	-	31,853	31,853	-
746,400	746,400	-	31,833	31,833	-
546,425	546,425	-	31,706	31,706	-
388,602	388,602	-	31,706	31,706	-
330,291	330,291	-	31,441	31,441	-
362,108	362,108	-	31,351	31,351	-
362,479	362,479	-	31,583	31,583	-
450,914	450,914	-	31,866	31,866	-
632,412	632,412	-	32,083	32,083	-
914,019	914,019	-	32,263	32,263	-
1,096,068	1,096,068	-	32,309	32,309	-
1,031,216	1,031,216	-	32,348	32,348	-
1,031,817	1,031,817	-	32,352	32,352	-
834,527	834,527	-	32,327	32,327	-
568,537	568,537	-	32,151	32,151	-
385,479	385,479	-	32,031	32,031	-
387,504	387,504	-	32,028	32,028	-
366,064	366,064	-	32,168	32,168	-
356,844	356,844	-	32,336	32,336	-
427,725	427,725	-	32,575	32,575	-
581,080	581,080	-	32,909	32,909	-
1,003,583	1,003,583	-	33,037	33,037	-
1,403,452	1,403,452	-	33,088	33,088	-
1,110,067	1,110,067	-	33,112	33,112	-
998,242	998,242	-	33,146	33,146	-
889,669	889,669	-	33,169	33,169	-
574,552	574,552	-	32,990	32,990	-
409,352	409,352	-	32,826	32,826	-
352,762	352,762	-	32,713	32,713	-
369,837	369,837	-	32,698	32,698	-
370,269	370,269	-	32,878	32,878	-
485,553	485,553	-	33,327	33,327	-

765,985	765,985	-	33,585	33,585	-
1,067,650	1,067,650	-	33,715	33,715	-
1,200,221	1,200,221	-	33,860	33,860	-
1,229,927	1,229,927	-	33,926	33,926	-
1,147,817	1,147,817	-	33,928	33,928	-
843,446	843,446	-	33,882	33,882	-
632,151	632,151	-	33,743	33,743	-
430,401	430,401	-	33,509	33,509	-
391,025	391,025	-	33,296	33,296	-
380,773	380,773	-	33,277	33,277	-
375,182	375,182	-	33,445	33,445	-
485,413	485,413	-	33,819	33,819	-
698,186	698,186	-	34,145	34,145	-
1,016,439	1,016,439	-	34,235	34,235	-
1,130,011	1,130,011	-	34,374	34,374	-
1,133,789	1,133,789	-	34,425	34,425	-
1,005,451	1,005,451	-	34,415	34,415	-
707,067	707,067	-	34,449	34,449	-
565,494	565,494	-	34,408	34,408	-
396,103	396,103	-	34,282	34,282	-
347,265	347,265	-	34,306	34,306	-
330,714	330,714	-	34,343	34,343	-
386,921	386,921	-	34,670	34,670	-
452,419	452,419	-	34,987	34,987	-
649,932	649,932	-	35,166	35,166	-
928,725	928,725	-	35,346	35,346	-
1,116,107	1,116,107	-	35,420	35,420	-
1,198,238	1,198,238	-	35,466	35,466	-
1,164,215	1,164,215	-	35,479	35,479	-
720,559	720,559	-	35,583	35,583	-

			Col	1 R6 R11	2 R5 R10	3 G40	4 G50	5 G41
Gas Year	Season	Gas Year / Season	Month	Res Non-Heat	Res Heat	G40	G50	G41
2010-2011	Winter	2010-2011 Winter	Nov-10	2,749	118,021	60,497	16,933	84,983
2010-2011	Winter	2010-2011 Winter	Dec-10	3,801	201,152	114,693	21,727	140,788
2010-2011	Winter	2010-2011 Winter	Jan-11	4,902	276,364	170,032	27,887	201,456
2010-2011	Winter	2010-2011 Winter	Feb-11	5,202	307,944	182,145	29,373	208,543
2010-2011	Winter	2010-2011 Winter	Mar-11	4,272	230,084	133,026	24,498	160,454
2010-2011	Winter	2010-2011 Winter	Apr-11	3,692	171,411	90,884	21,404	118,622
2010-2011	Summer	2010-2011 Summer	May-11	2,674	96,347	44,404	16,611	68,898
2010-2011	Summer	2010-2011 Summer	Jun-11	2,265	57,942	22,105	15,878	45,070
2010-2011	Summer	2010-2011 Summer	Jul-11	2,121	37,861	13,291	15,232	26,793
2010-2011	Summer	2010-2011 Summer	Aug-11	1,684	30,381	11,220	14,405	21,567
2010-2011	Summer	2010-2011 Summer	Sep-11	1,901	33,803	13,858	15,750	27,746
2010-2011	Summer	2010-2011 Summer	Oct-11	1,872	40,922	19,559	13,699	36,256
2011-2012	Winter	2011-2012 Winter	Nov-11	2,996	125,347	69,515	18,213	94,261
2011-2012	Winter	2011-2012 Winter	Dec-11	3,849	198,366	122,683	21,026	146,666
2011-2012	Winter	2011-2012 Winter	Jan-12	5,182	274,374	171,673	27,101	190,593
2011-2012	Winter	2011-2012 Winter	Feb-12	5,332	300,717	192,154	27,384	210,984
2011-2012	Winter	2011-2012 Winter	Mar-12	4,483	225,958	135,994	23,771	154,430
2011-2012	Winter	2011-2012 Winter	Apr-12	3,552	166,773	97,872	20,400	118,884
2011-2012	Summer	2011-2012 Summer	May-12	2,449	82,376	41,196	15,926	59,104
2011-2012	Summer	2011-2012 Summer	Jun-12	2,188	49,473	22,555	15,723	37,526
2011-2012	Summer	2011-2012 Summer	Jul-12	1,735	36,166	14,477	15,062	24,902
2011-2012	Summer	2011-2012 Summer	Aug-12	1,627	31,340	12,598	14,908	22,228
2011-2012	Summer	2011-2012 Summer	Sep-12	1,742	34,156	14,175	15,901	25,962
2011-2012	Summer	2011-2012 Summer	Oct-12	1,700	49,470	22,530	11,748	38,902
2012-2013	Winter	2012-2013 Winter	Nov-12	2,470	119,150	66,589	12,654	90,115
2012-2013	Winter	2012-2013 Winter	Dec-12	3,505	207,204	124,405	15,367	147,024
2012-2013	Winter	2012-2013 Winter	Jan-13	4,442	281,787	177,829	17,940	194,609
2012-2013	Winter	2012-2013 Winter	Feb-13	4,899	320,875	208,002	19,089	224,141
2012-2013	Winter	2012-2013 Winter	Mar-13	3,863	232,990	146,862	15,976	164,753
2012-2013	Winter	2012-2013 Winter	Apr-13	3,292	176,049	101,999	14,045	121,602
2012-2013	Summer	2012-2013 Summer	May-13	2,454	92,585	48,377	12,579	66,381
2012-2013	Summer	2012-2013 Summer	Jun-13	2,788	53,140	24,216	13,339	38,424
2012-2013	Summer	2012-2013 Summer	Jul-13	840	33,739	13,484	12,152	21,615
2012-2013	Summer	2012-2013 Summer	Aug-13	1,600	32,286	14,604	12,909	22,544
2012-2013	Summer	2012-2013 Summer	Sep-13	1,580	33,702	12,525	13,185	25,284
2012-2013	Summer	2012-2013 Summer	Oct-13	1,677	45,054	19,413	11,758	38,620
2013-2014	Winter	2013-2014 Winter	Nov-13	2,473	126,600	68,551	14,163	100,835
2013-2014	Winter	2013-2014 Winter	Dec-13	3,254	220,881	130,522	16,200	163,227
2013-2014	Winter	2013-2014 Winter	Jan-14	4,259	307,181	193,424	21,042	241,682
2013-2014	Winter	2013-2014 Winter	Feb-14	4,371	324,743	208,072	21,759	239,082
2013-2014	Winter	2013-2014 Winter	Mar-14	3,762	251,535	158,147	19,183	197,343
2013-2014	Winter	2013-2014 Winter	Apr-14	3,166	189,501	106,535	16,936	141,107
2013-2014	Summer	2013-2014 Summer	May-14	2,484	107,292	54,134	14,722	80,458
2013-2014	Summer	2013-2014 Summer	Jun-14	2,019	54,241	22,589	13,648	38,641

2013-2014 Summer	2013-2014 Summer	Jul-14	1,843	35,924	13,661	14,059	23,769
2013-2014 Summer	2013-2014 Summer	Aug-14	1,680	31,297	11,734	13,515	21,288
2013-2014 Summer	2013-2014 Summer	Sep-14	1,619	34,211	13,257	13,454	25,215
2013-2014 Summer	2013-2014 Summer	Oct-14	1,826	56,904	23,127	13,156	43,124
2014-2015 Winter	2014-2015 Winter	Nov-14	2,314	134,464	70,879	13,174	105,050
2014-2015 Winter	2014-2015 Winter	Dec-14	3,244	224,803	125,514	16,641	169,472
2014-2015 Winter	2014-2015 Winter	Jan-15	3,917	304,973	180,814	19,491	225,488
2014-2015 Winter	2014-2015 Winter	Feb-15	4,292	335,758	207,002	20,930	250,625
2014-2015 Winter	2014-2015 Winter	Mar-15	3,473	248,506	146,312	18,235	171,746
2014-2015 Winter	2014-2015 Winter	Apr-15	2,893	188,420	101,458	15,997	134,703
2014-2015 Summer	2014-2015 Summer	May-15	2,022	82,345	39,193	12,954	57,402
2014-2015 Summer	2014-2015 Summer	Jun-15	1,853	50,959	19,537	14,444	34,053
2014-2015 Summer	2014-2015 Summer	Jul-15	1,701	35,845	12,670	13,627	22,873
2014-2015 Summer	2014-2015 Summer	Aug-15	1,544	31,900	10,641	13,585	18,452
2014-2015 Summer	2014-2015 Summer	Sep-15	1,400	33,145	10,781	12,954	24,550
2014-2015 Summer	2014-2015 Summer	Oct-15	1,501	58,274	24,248	11,348	49,044
2015-2016 Winter	2015-2016 Winter	Nov-15	1,898	132,828	67,757	12,593	105,374
2015-2016 Winter	2015-2016 Winter	Dec-15	2,555	230,708	127,076	15,068	180,153
2015-2016 Winter	2015-2016 Winter	Jan-16	3,041	304,381	179,454	16,878	237,136
2015-2016 Winter	2015-2016 Winter	Feb-16	3,114	323,926	188,226	17,957	242,149
2015-2016 Winter	2015-2016 Winter	Mar-16	2,627	247,612	139,144	16,449	187,007
2015-2016 Winter	2015-2016 Winter	Apr-16	2,262	183,102	99,447	14,342	138,491
2015-2016 Summer	2015-2016 Summer	May-16	1,858	103,203	47,373	12,333	76,642
2015-2016 Summer	2015-2016 Summer	Jun-16	1,582	47,048	18,464	13,202	36,412
2015-2016 Summer	2015-2016 Summer	Jul-16	1,458	31,787	10,265	11,695	21,588
2015-2016 Summer	2015-2016 Summer	Aug-16	1,367	33,521	11,432	13,651	23,970
2015-2016 Summer	2015-2016 Summer	Sep-16	1,304	32,367	11,596	13,002	25,599
2015-2016 Summer	2015-2016 Summer	Oct-16	1,360	55,464	24,691	11,574	48,860
2016-2017 Winter	2016-2017 Winter	Nov-16	1,699	136,882	76,216	12,705	107,694
2016-2017 Winter	2016-2017 Winter	Dec-16	2,276	229,035	137,415	15,043	166,750
2016-2017 Winter	2016-2017 Winter	Jan-17	2,891	321,177	200,006	17,217	230,686
2016-2017 Winter	2016-2017 Winter	Feb-17	2,984	332,705	211,594	17,564	241,551
2016-2017 Winter	2016-2017 Winter	Mar-17	2,455	256,964	161,064	16,183	189,405
2016-2017 Winter	2016-2017 Winter	Apr-17	2,285	200,766	119,135	14,670	138,611
2016-2017 Summer	2016-2017 Summer	May-17	1,814	109,098	55,154	13,496	78,365
2016-2017 Summer	2016-2017 Summer	Jun-17	1,637	67,241	28,088	13,917	47,846
2016-2017 Summer	2016-2017 Summer	Jul-17	1,481	38,740	14,522	13,880	27,858
2016-2017 Summer	2016-2017 Summer	Aug-17	1,426	33,718	12,740	14,042	25,962
2016-2017 Summer	2016-2017 Summer	Sep-17	1,491	36,555	14,849	14,471	28,715
2016-2017 Summer	2016-2017 Summer	Oct-17	1,328	43,327	18,888	12,296	37,686
2017-2018 Winter	2017-2018 Winter	Nov-17	2,039	140,154	81,501	13,151	110,163
2017-2018 Winter	2017-2018 Winter	Dec-17	3,092	238,336	141,372	16,251	167,162
2017-2018 Winter	2017-2018 Winter	Jan-18	4,214	335,869	223,550	19,127	238,779
2017-2018 Winter	2017-2018 Winter	Feb-18	3,932	356,283	228,719	19,301	253,195
2017-2018 Winter	2017-2018 Winter	Mar-18	2,470	261,379	164,937	16,625	190,726
2017-2018 Winter	2017-2018 Winter	Apr-18	2,166	202,691	120,514	16,831	140,065
2017-2018 Summer	2017-2018 Summer	May-18	1,783	108,610	59,547	14,175	80,320
2017-2018 Summer	2017-2018 Summer	Jun-18	1,443	53,193	23,231	13,850	41,006
2017-2018 Summer	2017-2018 Summer	Jul-18	1,183	35,218	13,996	12,477	25,699
2017-2018 Summer	2017-2018 Summer	Aug-18	1,239	30,344	13,539	13,218	26,515
2017-2018 Summer	2017-2018 Summer	Sep-18	1,163	31,472	13,676	12,353	27,166
2017-2018 Summer	2017-2018 Summer	Oct-18	1,320	57,316	28,784	14,884	53,097

2018-2019 Winter	2018-2019 Winter	Nov-18	1,889	148,513	82,965	17,326	117,597
2018-2019 Winter	2018-2019 Winter	Dec-18	2,658	253,128	144,268	21,167	178,600
2018-2019 Winter	2018-2019 Winter	Jan-19	3,139	339,538	210,717	26,379	251,693
2018-2019 Winter	2018-2019 Winter	Feb-19	3,415	383,502	234,875	26,980	269,750
2018-2019 Winter	2018-2019 Winter	Mar-19	2,523	269,720	170,137	21,760	199,717
2018-2019 Winter	2018-2019 Winter	Apr-19	2,117	201,198	118,537	17,752	144,108
2018-2019 Summer	2018-2019 Summer	May-19	1,702	117,979	62,837	13,249	85,130
2018-2019 Summer	2018-2019 Summer	Jun-19	1,393	56,303	26,353	11,603	40,832
2018-2019 Summer	2018-2019 Summer	Jul-19	1,331	37,841	16,117	12,236	26,404
2018-2019 Summer	2018-2019 Summer	Aug-19	1,200	32,343	14,589	11,674	23,036
2018-2019 Summer	2018-2019 Summer	Sep-19	1,150	32,410	15,630	10,990	28,593
2018-2019 Summer	2018-2019 Summer	Oct-19	1,393	59,630	28,296	12,296	51,101
2019-2020 Winter	2019-2020 Winter	Nov-19	1,727	144,623	77,300	12,248	119,149
2019-2020 Winter	2019-2020 Winter	Dec-19	2,569	252,830	141,258	14,230	194,894
2019-2020 Winter	2019-2020 Winter	Jan-20	3,033	325,777	192,172	16,749	262,024
2019-2020 Winter	2019-2020 Winter	Feb-20	3,126	359,118	204,926	17,539	276,637
2019-2020 Winter	2019-2020 Winter	Mar-20	2,626	269,023	149,426	15,781	210,551
2019-2020 Winter	2019-2020 Winter	Apr-20	2,221	200,431	102,696	10,269	145,089
2019-2020 Summer	2019-2020 Summer	May-20	1,866	132,059	60,493	9,148	92,787
2019-2020 Summer	2019-2020 Summer	Jun-20	1,474	56,020	20,725	10,100	40,139
2019-2020 Summer	2019-2020 Summer	Jul-20	1,261	36,436	11,613	11,018	25,989
2019-2020 Summer	2019-2020 Summer	Aug-20	1,129	30,323	9,914	10,602	15,123
2019-2020 Summer	2019-2020 Summer	Sep-20	1,402	39,149	15,666	12,654	31,697
2019-2020 Summer	2019-2020 Summer	Oct-20	1,285	55,366	22,927	10,051	49,189
2020-2021 Winter	2020-2021 Winter	Nov-20	1,874	148,118	82,663	11,958	123,703
2020-2021 Winter	2020-2021 Winter	Dec-20	2,616	249,123	146,919	14,550	194,694
2020-2021 Winter	2020-2021 Winter	Jan-21	3,286	333,839	194,845	16,523	251,719
2020-2021 Winter	2020-2021 Winter	Feb-21	3,456	363,293	220,993	17,564	276,426
2020-2021 Winter	2020-2021 Winter	Mar-21	2,931	273,784	162,190	16,661	211,404
2020-2021 Winter	2020-2021 Winter	Apr-21	2,220	200,890	109,479	14,078	153,577

Northern Utilities, Inc. New Hampshire Division Weather Normalized Billed Volumes - (Dth)								
6	7	8	9	10	11	12	13	14
G51	G42	G52	Spc Cont					
G51	G42	G52	Special Contracts	Total Division	Residential	LLF	HLF	Special Contracts
31,681	61,306	97,253	82,428	555,850	120,770	206,786	145,867	82,428
38,627	71,612	129,198	82,268	803,865	204,952	327,093	189,552	82,268
48,487	79,036	145,561	89,302	1,043,026	281,266	450,524	221,934	89,302
48,361	69,835	129,571	79,395	1,060,368	313,146	460,522	207,304	79,395
42,326	62,850	133,043	86,745	877,297	234,355	356,329	199,867	86,745
38,514	39,940	103,804	77,978	666,250	175,103	249,447	163,722	77,978
29,641	22,163	89,520	80,252	450,511	99,021	135,466	135,772	80,252
28,341	18,767	78,191	72,113	340,672	60,207	85,942	122,410	72,113
26,707	12,903	75,703	67,248	277,859	39,982	52,986	117,642	67,248
24,624	18,931	78,327	76,021	277,161	32,065	51,718	117,357	76,021
26,529	29,643	81,598	74,829	305,657	35,704	71,247	123,877	74,829
25,957	30,748	97,268	75,920	342,200	42,794	86,563	136,923	75,920
32,488	46,115	111,885	79,395	580,215	128,343	209,891	162,586	79,395
40,106	58,231	127,887	83,725	802,539	202,215	327,580	189,019	83,725
44,939	62,079	141,126	85,119	1,002,186	279,556	424,345	213,166	85,119
46,342	55,483	125,666	78,022	1,042,082	306,049	458,621	199,391	78,022
40,321	51,286	124,035	88,539	848,817	230,441	341,709	188,128	88,539
36,564	31,192	102,473	85,523	663,232	170,325	247,947	159,437	85,523
29,629	19,646	94,307	84,629	429,260	84,825	119,945	139,861	84,629
27,155	22,704	83,663	87,166	348,153	51,661	82,786	126,540	87,166
24,737	20,327	84,218	78,554	300,179	37,901	59,706	124,017	78,554
27,565	25,543	81,139	85,293	302,241	32,967	60,369	123,612	85,293
27,285	27,272	80,614	76,232	303,338	35,898	67,409	123,799	76,232
30,527	19,807	96,385	90,245	361,315	51,170	81,240	138,661	90,245
37,022	46,620	126,122	82,337	583,079	121,620	203,324	175,798	82,337
44,715	62,412	129,175	81,479	815,287	210,709	333,842	189,257	81,479
50,029	70,479	153,356	88,405	1,038,876	286,229	442,917	221,325	88,405
53,391	70,450	132,921	81,109	1,114,876	325,774	502,593	205,401	81,109
46,213	62,428	140,515	88,502	902,102	236,853	374,043	202,704	88,502
40,808	43,784	113,290	90,538	705,408	179,341	267,385	168,143	90,538
37,736	28,197	110,933	84,810	484,053	95,039	142,955	161,248	84,810
32,754	29,160	101,132	82,063	377,016	55,928	91,800	147,225	82,063
28,839	22,983	91,314	85,590	310,556	34,579	58,082	132,305	85,590
31,178	26,902	92,994	85,374	320,392	33,886	64,050	137,081	85,374
35,140	17,738	106,537	82,568	328,259	35,282	55,547	154,863	82,568
34,202	30,844	119,710	95,266	396,543	46,731	88,877	165,669	95,266
42,943	48,983	145,187	88,759	638,494	129,073	218,369	202,293	88,759
47,866	68,764	135,677	88,247	874,637	224,135	362,513	199,742	88,247
59,401	83,209	144,418	81,900	1,136,515	311,440	518,315	224,861	81,900
61,419	71,555	144,421	81,869	1,157,292	329,114	518,709	227,600	81,869
54,776	62,099	139,893	93,291	980,028	255,297	417,589	213,852	93,291
46,436	39,910	122,345	96,520	762,456	192,668	287,551	185,717	96,520
41,197	21,952	121,052	85,867	529,156	109,775	156,543	176,971	85,867
34,849	15,639	143,292	89,505	414,423	56,260	76,869	191,789	89,505

33,319	13,720	106,891	90,354	333,540	37,767	51,150	154,269	90,354
32,374	15,094	114,535	86,002	327,519	32,977	48,117	160,424	86,002
31,570	24,833	107,362	87,619	339,140	35,830	63,304	152,387	87,619
35,357	34,924	114,564	92,948	415,928	58,729	101,175	163,077	92,948
36,671	59,937	134,748	82,753	639,989	136,778	235,866	184,592	82,753
45,796	92,563	130,325	92,827	901,185	228,047	387,549	192,762	92,827
53,202	105,255	163,134	76,452	1,132,726	308,890	511,556	235,827	76,452
54,977	92,162	152,511	68,537	1,186,794	340,050	549,789	228,418	68,537
48,799	83,278	164,283	101,760	986,391	251,979	401,335	231,317	101,760
42,345	56,006	138,465	98,798	779,084	191,313	292,167	196,806	98,798
35,997	29,330	115,686	88,441	463,371	84,367	125,926	164,637	88,441
31,807	22,950	137,576	93,180	406,358	52,812	76,539	183,827	93,180
29,078	18,439	151,242	92,081	377,555	37,546	53,982	193,947	92,081
28,429	18,098	112,067	93,625	328,341	33,444	47,191	154,082	93,625
30,198	25,267	132,996	91,973	363,264	34,545	60,597	176,148	91,973
31,754	38,893	153,290	95,790	464,142	59,775	112,185	196,392	95,790
35,251	62,132	154,011	86,270	658,113	134,725	235,263	201,854	86,270
44,778	93,111	146,805	94,047	934,302	233,263	400,341	206,652	94,047
48,538	106,457	172,048	100,602	1,168,535	307,423	523,046	237,464	100,602
50,904	100,393	156,846	98,396	1,181,910	327,040	530,768	225,706	98,396
43,344	88,174	153,718	106,853	984,927	250,239	414,325	213,510	106,853
39,303	59,371	140,270	104,258	780,847	185,364	297,309	193,916	104,258
34,869	40,240	129,471	100,438	546,425	105,061	164,254	176,672	100,438
31,280	23,993	123,219	93,403	388,602	48,629	78,869	167,701	93,403
25,821	20,286	119,554	87,838	330,291	33,245	52,138	157,070	87,838
29,597	20,277	131,188	97,108	362,108	34,887	55,678	174,435	97,108
28,895	24,149	128,245	97,322	362,479	33,672	61,344	170,142	97,322
31,542	39,357	135,556	102,509	450,914	56,824	112,909	178,672	102,509
35,668	59,877	148,231	94,384	673,356	138,582	243,787	196,604	94,384
41,557	84,504	138,843	97,454	912,876	231,311	388,668	195,443	97,454
49,565	101,694	145,104	97,058	1,165,398	324,068	532,386	211,886	97,058
49,311	90,224	127,317	93,521	1,166,770	335,688	543,369	194,192	93,521
46,283	79,765	151,325	105,247	1,008,692	259,419	430,234	213,791	105,247
39,779	59,633	123,002	105,288	803,168	203,051	317,378	177,451	105,288
35,950	36,231	127,847	110,582	568,537	110,912	169,750	177,293	110,582
33,788	18,809	95,619	78,534	385,479	68,878	94,742	143,324	78,534
30,609	20,773	123,674	115,968	387,504	40,221	63,152	168,163	115,968
30,900	21,624	122,655	102,999	366,064	35,144	60,326	167,597	102,999
30,199	26,201	109,537	94,826	356,844	38,046	69,765	154,207	94,826
33,139	36,466	130,224	114,371	427,725	44,655	93,040	175,659	114,371
36,356	62,923	151,598	91,508	689,391	142,193	254,586	201,104	91,508
45,031	85,683	140,233	99,860	937,019	241,428	394,216	201,515	99,860
52,945	110,353	141,460	100,734	1,227,030	340,083	572,682	213,532	100,734
53,338	95,257	135,403	90,222	1,235,649	360,215	577,171	208,041	90,222
44,858	82,067	142,645	108,467	1,014,174	263,849	437,730	204,128	108,467
39,123	60,634	137,250	106,526	825,801	204,857	321,213	193,204	106,526
35,127	36,132	130,263	108,596	574,552	110,393	175,998	179,564	108,596
34,129	26,879	112,335	103,286	409,352	54,636	91,116	160,314	103,286
27,096	21,600	117,382	98,112	352,762	36,402	61,295	156,954	98,112
29,537	19,286	133,438	102,721	369,837	31,583	59,339	176,193	102,721
27,964	22,419	133,083	100,974	370,269	32,634	63,262	173,400	100,974
33,267	41,059	147,444	108,383	485,553	58,636	122,939	195,595	108,383

44,698	58,259	151,817	102,394	725,458	150,402	258,821	213,841	102,394
53,122	82,335	133,837	96,960	966,075	255,786	405,204	208,126	96,960
58,982	91,964	156,211	106,452	1,245,076	342,677	554,374	241,572	106,452
60,615	78,998	148,348	100,754	1,307,237	386,917	583,623	235,943	100,754
53,526	69,354	152,386	115,342	1,054,464	272,243	439,208	227,671	115,342
49,099	48,308	146,759	111,329	839,206	203,315	310,953	213,609	111,329
41,357	35,073	164,280	110,545	632,151	119,680	183,040	218,886	110,545
34,769	22,756	133,694	102,698	430,401	57,697	89,941	180,066	102,698
37,078	19,656	137,883	102,480	391,025	39,172	62,177	187,197	102,480
33,313	19,550	140,209	104,860	380,773	33,543	57,175	185,195	104,860
30,662	20,947	129,854	104,946	375,182	33,560	65,170	171,506	104,946
42,375	37,539	146,630	106,154	485,413	61,023	116,935	201,301	106,154
42,107	63,030	147,032	103,723	710,939	146,350	259,479	201,386	103,723
50,317	88,303	122,171	101,155	967,728	255,399	424,455	186,718	101,155
58,890	99,558	128,586	103,881	1,190,671	328,810	553,755	204,225	103,881
59,857	88,833	145,847	99,704	1,255,585	362,244	570,395	223,242	99,704
53,843	80,333	133,453	108,900	1,023,935	271,649	440,310	203,077	108,900
31,861	47,833	134,137	65,056	739,593	202,652	295,618	176,267	65,056
27,525	34,106	128,182	79,328	565,494	133,925	187,386	164,855	79,328
26,239	21,822	127,368	92,217	396,103	57,495	82,686	163,706	92,217
27,266	18,456	122,024	93,203	347,265	37,696	56,059	160,307	93,203
25,606	19,159	128,273	90,584	330,714	31,451	44,197	164,482	90,584
31,081	24,388	137,321	93,563	386,921	40,551	71,751	181,056	93,563
29,976	40,424	138,729	104,472	452,419	56,652	112,540	178,756	104,472
37,774	63,857	138,289	97,964	706,201	149,992	270,223	188,022	97,964
45,936	72,093	156,214	91,992	974,136	251,738	413,706	216,700	91,992
51,167	78,290	161,043	104,701	1,195,414	337,125	524,854	228,733	104,701
54,960	74,999	147,522	97,195	1,256,408	366,749	572,418	220,046	97,195
53,475	66,786	156,151	109,047	1,052,431	276,716	440,380	226,288	109,047
43,141	42,107	146,910	100,408	812,809	203,110	305,162	204,128	100,408

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		A						
		1	2	3	4	5	6	7
		R6	R5	G40	G50	G41	G51	G42
		R11	R10					
Total	Month	Res Non-	Res Heat	G40	G50	G41	G51	G42
Division		Heat						
555,850	Nov-10	1,623	20,435	4,449	948	557	234	30
803,865	Dec-10	1,606	20,512	4,489	947	559	234	30
1,043,026	Jan-11	1,600	20,558	4,509	948	562	233	30
1,060,368	Feb-11	1,600	20,585	4,523	947	562	233	30
877,297	Mar-11	1,598	20,618	4,524	962	563	233	30
666,250	Apr-11	1,628	20,682	4,493	979	565	232	30
450,511	May-11	1,656	20,642	4,444	1,000	563	231	30
340,672	Jun-11	1,663	20,552	4,422	994	561	229	29
277,859	Jul-11	1,660	20,448	4,410	986	561	230	27
277,161	Aug-11	1,656	20,413	4,397	977	560	229	27
305,657	Sep-11	1,639	20,478	4,444	966	562	229	27
342,200	Oct-11	1,604	20,637	4,528	940	563	230	26
580,215	Nov-11	1,590	20,773	4,589	934	568	231	26
802,539	Dec-11	1,572	20,859	4,635	917	569	231	26
1,002,186	Jan-12	1,567	20,922	4,651	919	569	234	26
1,042,082	Feb-12	1,563	20,945	4,658	922	567	234	26
848,817	Mar-12	1,562	20,970	4,633	931	565	233	26
663,232	Apr-12	1,577	21,015	4,604	957	565	232	26
429,260	May-12	1,608	21,004	4,571	976	564	232	26
348,153	Jun-12	1,535	21,062	4,536	982	563	232	26
300,179	Jul-12	1,528	21,103	4,515	979	563	232	26
302,241	Aug-12	1,524	21,095	4,514	974	565	232	26
303,338	Sep-12	1,512	21,176	4,614	901	540	253	26
361,315	Oct-12	1,466	21,319	4,735	852	541	257	25
583,079	Nov-12	1,457	21,449	4,790	844	546	259	25
815,287	Dec-12	1,451	21,541	4,805	843	545	260	25
1,038,876	Jan-13	1,444	21,604	4,832	842	548	258	25
1,114,876	Feb-13	1,448	21,631	4,826	840	546	258	25
902,102	Mar-13	1,453	21,643	4,823	849	547	258	25
705,408	Apr-13	1,483	21,720	4,789	867	547	257	26
484,053	May-13	1,511	21,672	4,723	885	546	259	26
377,016	Jun-13	1,507	21,641	4,705	882	547	259	26
310,556	Jul-13	1,503	21,588	4,685	877	548	257	25
320,392	Aug-13	1,627	21,496	4,668	887	562	249	25
328,259	Sep-13	1,602	21,536	4,704	891	563	256	24
396,543	Oct-13	1,572	21,719	4,804	860	566	260	24
638,494	Nov-13	1,556	21,887	4,862	854	570	260	24
874,637	Dec-13	1,554	22,010	4,891	856	570	261	24
1,136,515	Jan-14	1,550	22,074	4,932	851	574	261	24
1,157,292	Feb-14	1,546	22,095	4,939	852	576	260	24
980,028	Mar-14	1,554	22,133	4,936	862	575	260	24
762,456	Apr-14	1,581	22,161	4,898	877	575	261	24
529,156	May-14	1,625	22,046	4,832	899	578	259	24
414,423	Jun-14	1,628	22,026	4,763	897	580	258	24

333,540	Jul-14	1,618	22,002	4,674	895	580	258	23
327,519	Aug-14	1,554	22,103	4,650	864	633	255	25
339,140	Sep-14	1,547	22,303	4,683	852	648	250	34
415,928	Oct-14	1,504	22,583	4,842	821	658	250	36
639,989	Nov-14	1,483	22,769	4,916	820	663	252	36
901,185	Dec-14	1,476	22,885	4,939	827	674	252	36
1,132,726	Jan-15	1,467	22,932	4,961	829	672	254	36
1,186,794	Feb-15	1,473	22,952	4,965	829	673	255	36
986,391	Mar-15	1,473	22,966	4,949	836	676	255	37
779,084	Apr-15	1,506	22,999	4,863	855	677	254	36
463,371	May-15	1,527	22,912	4,758	873	678	255	36
406,358	Jun-15	1,541	22,802	4,708	871	677	253	36
377,555	Jul-15	1,540	22,716	4,693	865	678	252	35
328,341	Aug-15	1,448	22,877	4,655	844	691	257	37
363,264	Sep-15	1,421	22,956	4,694	831	703	256	37
464,142	Oct-15	1,390	23,189	4,903	808	706	257	38
658,113	Nov-15	1,375	23,356	4,967	797	712	258	38
934,302	Dec-15	1,379	23,450	4,984	796	719	259	38
1,168,535	Jan-16	1,372	23,516	5,004	794	721	259	39
1,181,910	Feb-16	1,368	23,567	5,016	791	723	259	40
984,927	Mar-16	1,374	23,626	4,992	803	725	259	39
780,847	Apr-16	1,412	23,627	4,920	819	722	259	39
546,425	May-16	1,428	23,577	4,813	834	721	258	40
388,602	Jun-16	1,428	23,577	4,813	834	721	258	40
330,291	Jul-16	1,437	23,409	4,715	826	722	257	40
362,108	Aug-16	1,410	23,364	4,756	885	636	228	38
362,479	Sep-16	1,379	23,549	4,873	822	633	258	34
450,914	Oct-16	1,339	23,747	5,027	791	635	259	33
673,356	Nov-16	1,327	23,906	5,098	790	634	259	34
912,876	Dec-16	1,325	24,017	5,152	793	646	262	33
1,165,398	Jan-17	1,330	24,065	5,143	797	644	262	33
1,166,770	Feb-17	1,330	24,102	5,145	795	645	262	34
1,008,692	Mar-17	1,327	24,113	5,137	800	644	262	34
803,168	Apr-17	1,358	24,142	5,049	807	641	262	32
568,537	May-17	1,384	24,041	4,938	819	643	258	32
385,479	Jun-17	1,395	23,995	4,860	820	634	259	32
387,504	Jul-17	1,401	23,998	4,852	822	629	258	32
366,064	Aug-17	1,406	24,153	4,834	821	630	256	32
356,844	Sep-17	1,390	24,316	4,854	813	637	258	32
427,725	Oct-17	1,365	24,457	4,985	802	640	258	32
689,391	Nov-17	1,337	24,692	5,127	781	646	258	32
937,019	Dec-17	1,332	24,778	5,172	782	646	258	33
1,227,030	Jan-18	1,326	24,809	5,197	784	646	257	33
1,235,649	Feb-18	1,324	24,831	5,204	780	647	258	32
1,014,174	Mar-18	1,292	24,881	5,212	788	647	258	32
825,801	Apr-18	1,314	24,911	5,169	803	646	257	32
574,552	May-18	1,350	24,828	5,028	815	643	257	32
409,352	Jun-18	1,350	24,753	4,947	819	634	254	32
352,762	Jul-18	1,352	24,695	4,903	809	632	253	32
369,837	Aug-18	1,350	24,691	4,899	806	631	253	31
370,269	Sep-18	1,336	24,833	4,899	816	665	261	31
485,553	Oct-18	1,299	25,107	5,063	832	674	283	33

725,458	Nov-18	1,266	25,326	5,154	812	675	283	33
966,075	Dec-18	1,266	25,433	5,177	812	675	283	33
1,245,076	Jan-19	1,265	25,563	5,191	815	677	282	31
1,307,237	Feb-19	1,252	25,636	5,200	813	677	281	31
1,054,464	Mar-19	1,249	25,647	5,192	818	676	280	30
839,206	Apr-19	1,276	25,631	5,127	829	673	280	30
632,151	May-19	1,311	25,559	5,020	842	667	278	30
430,401	Jun-19	1,316	25,436	4,910	837	666	278	30
391,025	Jul-19	1,311	25,276	4,864	835	665	279	30
380,773	Aug-19	1,311	25,278	4,847	833	663	279	30
375,182	Sep-19	1,292	25,439	4,852	833	677	286	30
485,413	Oct-19	1,261	25,688	4,968	829	726	278	33
710,939	Nov-19	1,244	25,918	5,083	821	731	278	34
967,728	Dec-19	1,234	25,972	5,121	825	736	278	34
1,190,671	Jan-20	1,293	26,052	5,121	824	737	278	34
1,255,585	Feb-20	1,291	26,096	5,128	826	736	278	35
1,023,935	Mar-20	1,292	26,103	5,109	828	735	278	35
739,593	Apr-20	1,305	26,149	5,079	835	733	278	35
565,494	May-20	1,336	26,174	4,973	847	729	278	35
396,103	Jun-20	1,350	26,110	4,894	854	727	276	35
347,265	Jul-20	1,349	26,131	4,909	849	722	275	35
330,714	Aug-20	1,351	26,151	4,933	842	721	276	34
386,921	Sep-20	1,338	26,435	4,991	837	723	277	34
452,419	Oct-20	1,316	26,608	5,168	820	728	278	34
706,201	Nov-20	1,281	26,796	5,210	823	718	271	32
974,136	Dec-20	1,276	26,941	5,271	830	703	260	29
1,195,414	Jan-21	1,275	27,003	5,282	831	704	260	29
1,256,408	Feb-21	1,272	27,029	5,304	830	705	261	29
1,052,431	Mar-21	1,279	27,037	5,298	834	704	262	29
812,809	Apr-21	1,312	27,154	5,231	853	705	262	30

northern Utilities, Inc.
New Hampshire Division
Actual Billed Meters

8	9	10	11	12	13	14	15
G52	Spc Cont						
G52	Special Contracts	Total Division	Residential	LLF	HLF	Special Contracts	Total Division
27	3	28,306	22,058	5,036	1,209	3	28,306
27	3	28,407	22,118	5,078	1,208	3	28,407
28	3	28,471	22,158	5,101	1,209	3	28,471
28	3	28,511	22,185	5,115	1,208	3	28,511
28	3	28,559	22,216	5,117	1,223	3	28,559
28	3	28,640	22,310	5,088	1,239	3	28,640
28	3	28,597	22,298	5,037	1,259	3	28,597
29	3	28,482	22,215	5,012	1,252	3	28,482
29	3	28,354	22,108	4,998	1,245	3	28,354
29	3	28,291	22,069	4,984	1,235	3	28,291
29	3	28,377	22,117	5,033	1,224	3	28,377
31	3	28,562	22,241	5,117	1,201	3	28,562
31	3	28,745	22,363	5,183	1,196	3	28,745
31	3	28,843	22,431	5,230	1,179	3	28,843
31	3	28,922	22,489	5,246	1,184	3	28,922
31	3	28,949	22,508	5,251	1,187	3	28,949
31	3	28,954	22,532	5,224	1,195	3	28,954
31	3	29,010	22,592	5,195	1,220	3	29,010
31	3	29,015	22,612	5,161	1,239	3	29,015
31	3	28,970	22,597	5,125	1,245	3	28,970
31	3	28,980	22,631	5,104	1,242	3	28,980
31	3	28,964	22,619	5,105	1,237	3	28,964
32	3	29,057	22,688	5,180	1,186	3	29,057
33	3	29,231	22,785	5,301	1,142	3	29,231
33	3	29,406	22,906	5,361	1,136	3	29,406
32	3	29,505	22,992	5,375	1,135	3	29,505
32	3	29,588	23,048	5,405	1,132	3	29,588
32	3	29,609	23,079	5,397	1,130	3	29,609
32	3	29,633	23,096	5,395	1,139	3	29,633
34	3	29,726	23,203	5,362	1,158	3	29,726
34	3	29,659	23,183	5,295	1,178	3	29,659
34	3	29,604	23,148	5,278	1,175	3	29,604
34	3	29,520	23,091	5,258	1,168	3	29,520
34	3	29,551	23,123	5,255	1,170	3	29,551
29	3	29,608	23,138	5,291	1,176	3	29,608
29	3	29,837	23,291	5,394	1,149	3	29,837
29	3	30,045	23,443	5,456	1,143	3	30,045
29	3	30,198	23,564	5,485	1,146	3	30,198
29	3	30,298	23,624	5,530	1,141	3	30,298
29	3	30,324	23,641	5,539	1,141	3	30,324
29	3	30,376	23,687	5,535	1,151	3	30,376
29	3	30,409	23,742	5,497	1,167	3	30,409
29	3	30,295	23,671	5,434	1,187	3	30,295
29	3	30,208	23,654	5,367	1,184	3	30,208

29	3	30,082	23,620	5,277	1,182	3	30,082
29	3	30,116	23,657	5,308	1,148	3	30,116
28	3	30,348	23,850	5,365	1,130	3	30,348
28	3	30,725	24,087	5,536	1,099	3	30,725
28	3	30,970	24,252	5,615	1,100	3	30,970
29	3	31,121	24,361	5,649	1,108	3	31,121
31	3	31,185	24,399	5,669	1,114	3	31,185
31	3	31,217	24,425	5,674	1,115	3	31,217
31	3	31,226	24,439	5,662	1,122	3	31,226
32	3	31,225	24,505	5,576	1,141	3	31,225
33	3	31,075	24,439	5,472	1,161	3	31,075
33	3	30,924	24,343	5,421	1,157	3	30,924
33	3	30,815	24,256	5,406	1,150	3	30,815
32	3	30,844	24,325	5,383	1,133	3	30,844
33	3	30,934	24,377	5,434	1,120	3	30,934
33	3	31,327	24,579	5,647	1,098	3	31,327
33	3	31,539	24,731	5,717	1,088	3	31,539
33	3	31,661	24,829	5,741	1,088	3	31,661
33	3	31,741	24,888	5,764	1,086	3	31,741
32	3	31,799	24,935	5,779	1,082	3	31,799
32	3	31,853	25,000	5,756	1,094	3	31,853
32	3	31,833	25,039	5,681	1,110	3	31,833
32	3	31,706	25,005	5,574	1,124	3	31,706
32	3	31,706	25,005	5,574	1,124	3	31,706
32	3	31,441	24,846	5,477	1,115	3	31,441
31	3	31,351	24,774	5,430	1,144	3	31,351
32	3	31,583	24,928	5,540	1,112	3	31,583
32	3	31,866	25,086	5,695	1,082	3	31,866
32	3	32,083	25,233	5,766	1,081	3	32,083
32	3	32,263	25,342	5,831	1,087	3	32,263
32	3	32,309	25,395	5,820	1,091	3	32,309
32	3	32,348	25,432	5,824	1,089	3	32,348
32	3	32,352	25,440	5,815	1,094	3	32,352
33	3	32,327	25,500	5,722	1,102	3	32,327
33	3	32,151	25,425	5,613	1,110	3	32,151
33	3	32,031	25,390	5,526	1,112	3	32,031
33	3	32,028	25,399	5,513	1,113	3	32,028
33	3	32,168	25,559	5,496	1,110	3	32,168
33	3	32,336	25,706	5,523	1,104	3	32,336
33	3	32,575	25,822	5,657	1,093	3	32,575
33	3	32,909	26,029	5,805	1,072	3	32,909
33	3	33,037	26,110	5,851	1,073	3	33,037
33	3	33,088	26,135	5,876	1,074	3	33,088
33	3	33,112	26,155	5,883	1,071	3	33,112
33	3	33,146	26,173	5,891	1,079	3	33,146
34	3	33,169	26,225	5,847	1,094	3	33,169
34	3	32,990	26,178	5,703	1,106	3	32,990
34	3	32,826	26,103	5,613	1,107	3	32,826
34	3	32,713	26,047	5,567	1,096	3	32,713
34	3	32,698	26,041	5,561	1,093	3	32,698
34	3	32,878	26,169	5,595	1,111	3	32,878
33	3	33,327	26,406	5,770	1,148	3	33,327

33	3	33,585	26,592	5,862	1,128	3	33,585
33	3	33,715	26,699	5,885	1,128	3	33,715
33	3	33,860	26,828	5,899	1,130	3	33,860
33	3	33,926	26,888	5,908	1,127	3	33,926
33	3	33,928	26,896	5,898	1,131	3	33,928
33	3	33,882	26,907	5,830	1,142	3	33,882
33	3	33,743	26,870	5,717	1,153	3	33,743
33	3	33,509	26,752	5,606	1,148	3	33,509
33	3	33,296	26,587	5,559	1,147	3	33,296
33	3	33,277	26,589	5,540	1,145	3	33,277
33	3	33,445	26,731	5,559	1,152	3	33,445
33	3	33,819	26,949	5,727	1,140	3	33,819
33	3	34,145	27,162	5,848	1,132	3	34,145
32	3	34,235	27,206	5,891	1,135	3	34,235
32	3	34,374	27,345	5,892	1,134	3	34,374
32	3	34,425	27,387	5,899	1,136	3	34,425
32	3	34,415	27,395	5,879	1,138	3	34,415
32	3	34,449	27,454	5,847	1,145	3	34,449
33	3	34,408	27,510	5,737	1,158	3	34,408
33	3	34,282	27,460	5,656	1,163	3	34,282
33	3	34,306	27,480	5,666	1,157	3	34,306
32	3	34,343	27,502	5,688	1,150	3	34,343
32	3	34,670	27,773	5,748	1,146	3	34,670
32	3	34,987	27,924	5,930	1,130	3	34,987
32	3	35,166	28,077	5,960	1,126	3	35,166
33	3	35,346	28,217	6,003	1,123	3	35,346
33	3	35,420	28,278	6,015	1,124	3	35,420
33	3	35,466	28,301	6,038	1,124	3	35,466
33	3	35,479	28,316	6,031	1,129	3	35,479
33	3	35,583	28,466	5,966	1,148	3	35,583

Total			Total		
555,850	555,850	-	28,306	28,306	-
803,865	803,865	-	28,407	28,407	-
1,043,026	1,043,026	-	28,471	28,471	-
1,060,368	1,060,368	-	28,511	28,511	-
877,297	877,297	-	28,559	28,559	-
666,250	666,250	-	28,640	28,640	-
450,511	450,511	-	28,597	28,597	-
340,672	340,672	-	28,482	28,482	-
277,859	277,859	-	28,354	28,354	-
277,161	277,161	-	28,291	28,291	-
305,657	305,657	-	28,377	28,377	-
342,200	342,200	-	28,562	28,562	-
580,215	580,215	-	28,745	28,745	-
802,539	802,539	-	28,843	28,843	-
1,002,186	1,002,186	-	28,922	28,922	-
1,042,082	1,042,082	-	28,949	28,949	-
848,817	848,817	-	28,954	28,954	-
663,232	663,232	-	29,010	29,010	-
429,260	429,260	-	29,015	29,015	-
348,153	348,153	-	28,970	28,970	-
300,179	300,179	-	28,980	28,980	-
302,241	302,241	-	28,964	28,964	-
303,338	303,338	-	29,057	29,057	-
361,315	361,315	-	29,231	29,231	-
583,079	583,079	-	29,406	29,406	-
815,287	815,287	-	29,505	29,505	-
1,038,876	1,038,876	-	29,588	29,588	-
1,114,876	1,114,876	-	29,609	29,609	-
902,102	902,102	-	29,633	29,633	-
705,408	705,408	-	29,726	29,726	-
484,053	484,053	-	29,659	29,659	-
377,016	377,016	-	29,604	29,604	-
310,556	310,556	-	29,520	29,520	-
320,392	320,392	-	29,551	29,551	-
328,259	328,259	-	29,608	29,608	-
396,543	396,543	-	29,837	29,837	-
638,494	638,494	-	30,045	30,045	-
874,637	874,637	-	30,198	30,198	-
1,136,515	1,136,515	-	30,298	30,298	-
1,157,292	1,157,292	-	30,324	30,324	-
980,028	980,028	-	30,376	30,376	-
762,456	762,456	-	30,409	30,409	-
529,156	529,156	-	30,295	30,295	-
414,423	414,423	-	30,208	30,208	-

333,540	333,540	-	30,082	30,082	-
327,519	327,519	-	30,116	30,116	-
339,140	339,140	-	30,348	30,348	-
415,928	415,928	-	30,725	30,725	-
639,989	639,989	-	30,970	30,970	-
901,185	901,185	-	31,121	31,121	-
1,132,726	1,132,726	-	31,185	31,185	-
1,186,794	1,186,794	-	31,217	31,217	-
986,391	986,391	-	31,226	31,226	-
779,084	779,084	-	31,225	31,225	-
463,371	463,371	-	31,075	31,075	-
406,358	406,358	-	30,924	30,924	-
377,555	377,555	-	30,815	30,815	-
328,341	328,341	-	30,844	30,844	-
363,264	363,264	-	30,934	30,934	-
464,142	464,142	-	31,327	31,327	-
658,113	658,113	-	31,539	31,539	-
934,302	934,302	-	31,661	31,661	-
1,168,535	1,168,535	-	31,741	31,741	-
1,181,910	1,181,910	-	31,799	31,799	-
984,927	984,927	-	31,853	31,853	-
780,847	780,847	-	31,833	31,833	-
546,425	546,425	-	31,706	31,706	-
388,602	388,602	-	31,706	31,706	-
330,291	330,291	-	31,441	31,441	-
362,108	362,108	-	31,351	31,351	-
362,479	362,479	-	31,583	31,583	-
450,914	450,914	-	31,866	31,866	-
673,356	673,356	-	32,083	32,083	-
912,876	912,876	-	32,263	32,263	-
1,165,398	1,165,398	-	32,309	32,309	-
1,166,770	1,166,770	-	32,348	32,348	-
1,008,692	1,008,692	-	32,352	32,352	-
803,168	803,168	-	32,327	32,327	-
568,537	568,537	-	32,151	32,151	-
385,479	385,479	-	32,031	32,031	-
387,504	387,504	-	32,028	32,028	-
366,064	366,064	-	32,168	32,168	-
356,844	356,844	-	32,336	32,336	-
427,725	427,725	-	32,575	32,575	-
689,391	689,391	-	32,909	32,909	-
937,019	937,019	-	33,037	33,037	-
1,227,030	1,227,030	-	33,088	33,088	-
1,235,649	1,235,649	-	33,112	33,112	-
1,014,174	1,014,174	-	33,146	33,146	-
825,801	825,801	-	33,169	33,169	-
574,552	574,552	-	32,990	32,990	-
409,352	409,352	-	32,826	32,826	-
352,762	352,762	-	32,713	32,713	-
369,837	369,837	-	32,698	32,698	-
370,269	370,269	-	32,878	32,878	-
485,553	485,553	-	33,327	33,327	-

725,458	725,458	-	33,585	33,585	-
966,075	966,075	-	33,715	33,715	-
1,245,076	1,245,076	-	33,860	33,860	-
1,307,237	1,307,237	-	33,926	33,926	-
1,054,464	1,054,464	-	33,928	33,928	-
839,206	839,206	-	33,882	33,882	-
632,151	632,151	-	33,743	33,743	-
430,401	430,401	-	33,509	33,509	-
391,025	391,025	-	33,296	33,296	-
380,773	380,773	-	33,277	33,277	-
375,182	375,182	-	33,445	33,445	-
485,413	485,413	-	33,819	33,819	-
710,939	710,939	-	34,145	34,145	-
967,728	967,728	-	34,235	34,235	-
1,190,671	1,190,671	-	34,374	34,374	-
1,255,585	1,255,585	-	34,425	34,425	-
1,023,935	1,023,935	-	34,415	34,415	-
739,593	739,593	-	34,449	34,449	-
565,494	565,494	-	34,408	34,408	-
396,103	396,103	-	34,282	34,282	-
347,265	347,265	-	34,306	34,306	-
330,714	330,714	-	34,343	34,343	-
386,921	386,921	-	34,670	34,670	-
452,419	452,419	-	34,987	34,987	-
706,201	706,201	-	35,166	35,166	-
974,136	974,136	-	35,346	35,346	-
1,195,414	1,195,414	-	35,420	35,420	-
1,256,408	1,256,408	-	35,466	35,466	-
1,052,431	1,052,431	-	35,479	35,479	-
812,809	812,809	-	35,583	35,583	-

			Col	1 R6 R11 Res Non- Heat	2 R5 R10 Res Heat	3 G40	4 G50
Gas Year	Season	Gas Year / Season	Month			G40	G50
2020-2021	Summer	2020-2021 Summer	May-21	1,800	119,977	56,160	9,285
2020-2021	Summer	2020-2021 Summer	Jun-21	1,509	59,013	22,924	9,847
2020-2021	Summer	2020-2021 Summer	Jul-21	1,344	38,089	13,155	10,051
2020-2021	Summer	2020-2021 Summer	Aug-21	1,278	34,000	12,521	10,554
2020-2021	Summer	2020-2021 Summer	Sep-21	1,314	36,505	14,582	11,210
2020-2021	Summer	2020-2021 Summer	Oct-21	1,359	57,436	25,624	10,942
2021-2022	Winter	2021-2022 Winter	Nov-21	1,859	152,046	83,233	12,724
2021-2022	Winter	2021-2022 Winter	Dec-21	2,658	259,212	149,670	15,951
2021-2022	Winter	2021-2022 Winter	Jan-22	3,075	358,894	220,104	20,864
2021-2022	Winter	2021-2022 Winter	Feb-22	3,131	386,739	234,307	21,560
2021-2022	Winter	2021-2022 Winter	Mar-22	2,430	287,126	172,331	18,838
2021-2022	Winter	2021-2022 Winter	Apr-22	2,125	218,156	122,907	16,027
2021-2022	Summer	2021-2022 Summer	May-22	1,709	124,811	62,308	13,447
2021-2022	Summer	2021-2022 Summer	Jun-22	1,433	61,437	25,177	13,669
2021-2022	Summer	2021-2022 Summer	Jul-22	1,276	39,664	14,303	13,398
2021-2022	Summer	2021-2022 Summer	Aug-22	1,213	35,409	13,478	13,531
2021-2022	Summer	2021-2022 Summer	Sep-22	1,247	38,017	15,544	13,841
2021-2022	Summer	2021-2022 Summer	Oct-22	1,291	59,806	27,047	13,030
2022-2023	Winter	2022-2023 Winter	Nov-22	1,765	158,329	87,011	14,633
2022-2023	Winter	2022-2023 Winter	Dec-22	2,523	269,966	154,972	17,735
2022-2023	Winter	2022-2023 Winter	Jan-23	3,015	366,598	223,242	21,101
2022-2023	Winter	2022-2023 Winter	Feb-23	3,069	395,025	237,647	21,805
2022-2023	Winter	2022-2023 Winter	Mar-23	2,382	293,213	174,787	19,053
2022-2023	Winter	2022-2023 Winter	Apr-23	2,083	222,770	124,659	16,209
2022-2023	Summer	2022-2023 Summer	May-23	1,675	127,429	63,196	13,600
2022-2023	Summer	2022-2023 Summer	Jun-23	1,405	62,749	25,536	13,825
2022-2023	Summer	2022-2023 Summer	Jul-23	1,251	40,517	14,507	13,551
2022-2023	Summer	2022-2023 Summer	Aug-23	1,189	36,172	13,670	13,685
2022-2023	Summer	2022-2023 Summer	Sep-23	1,223	38,836	15,765	13,999
2022-2023	Summer	2022-2023 Summer	Oct-23	1,265	61,090	27,433	13,178
2023-2024	Winter	2023-2024 Winter	Nov-23	1,730	161,730	88,252	14,799
2023-2024	Winter	2023-2024 Winter	Dec-23	2,474	275,788	157,181	17,937
2023-2024	Winter	2023-2024 Winter	Jan-24	2,963	375,256	226,778	21,397
2023-2024	Winter	2023-2024 Winter	Feb-24	3,017	404,339	241,411	22,110
2023-2024	Winter	2023-2024 Winter	Mar-24	2,342	300,059	177,556	19,319
2023-2024	Winter	2023-2024 Winter	Apr-24	2,048	227,961	126,634	16,436
2023-2024	Summer	2023-2024 Summer	May-24	1,647	130,376	64,197	13,790
2023-2024	Summer	2023-2024 Summer	Jun-24	1,381	64,225	25,940	14,018
2023-2024	Summer	2023-2024 Summer	Jul-24	1,230	41,475	14,737	13,740
2023-2024	Summer	2023-2024 Summer	Aug-24	1,169	37,029	13,887	13,876
2023-2024	Summer	2023-2024 Summer	Sep-24	1,202	39,755	16,015	14,194
2023-2024	Summer	2023-2024 Summer	Oct-24	1,244	62,532	27,867	13,363
2024-2025	Winter	2024-2025 Winter	Nov-24	1,701	165,552	89,649	15,007
2024-2025	Winter	2024-2025 Winter	Dec-24	2,432	282,329	159,671	18,188

2024-2025 Winter	2024-2025 Winter	Jan-25	2,897	382,507	229,579	21,584
2024-2025 Winter	2024-2025 Winter	Feb-25	2,950	412,138	244,393	22,304
2024-2025 Winter	2024-2025 Winter	Mar-25	2,289	305,787	179,749	19,489
2024-2025 Winter	2024-2025 Winter	Apr-25	2,002	232,304	128,198	16,580
2024-2025 Summer	2024-2025 Summer	May-25	1,610	132,839	64,990	13,911
2024-2025 Summer	2024-2025 Summer	Jun-25	1,350	65,460	26,261	14,141
2024-2025 Summer	2024-2025 Summer	Jul-25	1,202	42,277	14,919	13,861
2024-2025 Summer	2024-2025 Summer	Aug-25	1,143	37,747	14,058	13,998
2024-2025 Summer	2024-2025 Summer	Sep-25	1,175	40,526	16,213	14,319
2024-2025 Summer	2024-2025 Summer	Oct-25	1,216	63,741	28,211	13,480
2025-2026 Winter	2025-2026 Winter	Nov-25	1,663	168,754	90,757	15,138
2025-2026 Winter	2025-2026 Winter	Dec-25	2,377	287,810	161,643	18,347

2019-2020 Summer	1,806,055
2020-2021 Summer	1,893,086
2021-2022 Summer	1,981,016
2022-2023 Summer	2,001,682
2023-2024 Summer	2,021,221
2024-2025 Summer	2,038,954

Northern Utilities, Inc.
New Hampshire Division
Forecast Billed Volumes - (Dth)

5	6	7	8	9	10	11	12	13
G41	G51	G42	G52	Spc Cont				
G41	G51	G42	G52	Special Contracts	Total Division	Residential	LLF	HLF
89,448	36,672	28,071	144,377	97,335	583,125	121,777	173,679	190,334
46,575	34,226	18,602	125,596	108,085	426,376	60,522	88,101	169,668
29,653	31,426	16,741	131,933	112,194	384,587	39,434	59,549	173,410
27,541	32,877	17,260	136,840	112,278	385,149	35,277	57,322	180,272
33,238	31,807	21,195	132,331	110,611	392,793	37,819	69,016	175,347
55,630	35,812	35,881	145,838	118,338	486,861	58,795	117,135	192,593
132,132	41,510	55,923	153,997	108,814	742,238	153,905	271,288	208,231
201,364	50,023	74,864	148,940	109,400	1,012,081	261,870	425,897	214,914
266,622	57,690	93,992	167,413	112,068	1,300,722	361,969	580,718	245,968
280,461	59,005	82,630	161,787	105,847	1,335,467	389,869	597,399	242,351
213,461	52,299	73,640	166,623	120,889	1,107,637	289,556	459,431	237,761
155,168	42,967	53,238	152,656	113,868	877,111	220,281	331,313	211,649
91,621	38,213	34,391	150,685	114,138	631,324	126,520	188,321	202,344
47,706	35,600	22,363	131,083	108,085	446,553	62,870	95,247	180,352
30,373	32,629	19,757	137,698	112,194	401,291	40,940	64,433	183,724
28,211	34,074	20,001	142,819	112,278	401,013	36,622	61,690	190,424
34,046	32,906	24,126	138,112	110,611	408,450	39,264	73,715	184,860
56,982	36,984	40,130	152,210	118,338	505,819	61,097	124,159	202,224
135,342	42,792	61,475	160,725	108,814	770,886	160,093	283,829	218,150
206,256	51,475	80,911	155,448	109,400	1,048,687	272,490	442,140	224,657
278,606	59,299	96,251	169,964	112,068	1,330,142	369,612	598,098	250,364
293,067	60,650	84,616	164,252	105,847	1,365,979	398,094	615,331	246,707
223,055	53,758	75,410	169,161	120,889	1,131,708	295,595	473,252	241,972
162,143	44,165	54,517	154,981	113,868	895,396	224,854	341,319	215,355
95,740	39,279	35,218	152,980	114,138	643,255	129,105	194,154	205,859
49,851	36,593	22,901	133,080	108,085	454,024	64,154	98,287	183,497
31,738	33,539	20,232	139,795	112,194	407,323	41,768	66,477	186,884
29,479	35,025	20,482	144,994	112,278	406,973	37,361	63,631	193,704
35,576	33,824	24,706	140,216	110,611	414,755	40,059	76,047	188,039
59,543	38,015	41,095	154,529	118,338	514,487	62,355	128,071	205,723
141,426	43,985	62,953	163,174	108,814	786,862	163,460	292,630	221,958
215,527	52,910	82,856	157,816	109,400	1,071,889	278,262	455,564	228,663
291,454	61,064	98,463	172,595	112,068	1,362,037	378,219	616,695	255,055
306,582	62,455	86,561	166,794	105,847	1,399,117	407,356	634,555	251,360
233,341	55,358	77,143	171,780	120,889	1,157,787	302,401	488,040	246,457
169,620	45,479	55,770	157,380	113,868	915,197	230,010	352,024	219,296
100,155	40,448	36,027	155,348	114,138	656,126	132,023	200,379	209,586
52,149	37,682	23,427	135,140	108,085	462,048	65,606	101,517	186,840
33,202	34,537	20,697	141,959	112,194	413,770	42,705	68,635	190,236
30,838	36,067	20,953	147,239	112,278	413,335	38,198	65,677	197,182
37,216	34,831	25,274	142,387	110,611	421,486	40,958	78,505	191,412
62,289	39,147	42,039	156,921	118,338	523,741	63,776	132,196	209,431
147,947	45,294	64,400	165,700	108,814	804,064	167,253	301,997	226,000
225,466	54,485	84,760	160,259	109,400	1,096,991	284,761	469,897	232,932

304,211	62,642	100,906	174,990	112,068	1,391,384	385,404	634,695	259,216
320,001	64,069	88,709	169,109	105,847	1,429,520	415,087	653,103	255,482
243,555	56,788	79,057	174,164	120,889	1,181,767	308,077	502,361	250,441
177,044	46,655	57,154	159,564	113,868	933,370	234,307	362,396	222,799
104,538	41,493	36,921	157,504	114,138	667,945	134,449	206,450	212,908
54,432	38,655	24,008	137,016	108,085	469,408	66,810	104,701	189,812
34,655	35,429	21,210	143,930	112,194	419,677	43,479	70,784	193,219
32,188	36,999	21,472	149,282	112,278	419,166	38,890	67,718	200,279
38,845	35,731	25,901	144,363	110,611	427,683	41,701	80,959	194,413
65,015	40,158	43,082	159,099	118,338	532,341	64,956	136,309	212,737
154,423	46,464	65,997	167,999	108,814	820,010	170,416	311,178	229,602
235,335	55,893	86,863	162,483	109,400	1,120,151	290,187	483,841	236,723

14	15	Col	1 R6 R11	2 R5 R10	3 G40	4 G50	5 G41	6 G51
Special Contracts	Total Division	Month	Res Non- Heat	Res Heat	G40	G50	G41	G51
97,335	583,125	May-21	1,320	26,898	5,091	857	710	263
108,085	426,376	Jun-21	1,333	26,836	4,962	864	733	266
112,194	384,587	Jul-21	1,332	26,858	4,927	859	753	265
112,278	385,149	Aug-21	1,334	26,879	4,951	852	751	266
110,611	392,793	Sep-21	1,322	27,171	5,010	847	754	267
118,338	486,861	Oct-21	1,300	27,349	5,187	829	759	268
108,814	742,238	Nov-21	1,265	27,543	5,229	832	748	261
109,400	1,012,081	Dec-21	1,260	27,692	5,291	840	733	265
112,068	1,300,722	Jan-22	1,259	27,755	5,302	841	734	265
105,847	1,335,467	Feb-22	1,256	27,781	5,324	840	735	266
120,889	1,107,637	Mar-22	1,263	27,786	5,318	844	734	267
113,868	877,111	Apr-22	1,296	27,907	5,250	863	735	267
114,138	631,324	May-22	1,304	27,643	5,110	867	740	268
108,085	446,553	Jun-22	1,317	27,583	4,980	874	764	271
112,194	401,291	Jul-22	1,316	27,606	4,945	869	785	270
112,278	401,013	Aug-22	1,318	27,628	4,969	862	783	271
110,611	408,450	Sep-22	1,306	27,928	5,029	857	786	272
118,338	505,819	Oct-22	1,284	28,112	5,206	839	791	273
108,814	770,886	Nov-22	1,249	28,311	5,248	842	780	266
109,400	1,048,687	Dec-22	1,245	28,464	5,311	850	764	270
112,068	1,330,142	Jan-23	1,244	28,529	5,322	851	765	270
105,847	1,365,979	Feb-23	1,241	28,555	5,344	850	766	271
120,889	1,131,708	Mar-23	1,247	28,557	5,338	854	765	272
113,868	895,396	Apr-23	1,280	28,682	5,270	873	766	272
114,138	643,255	May-23	1,288	28,410	5,129	877	771	273
108,085	454,024	Jun-23	1,301	28,352	4,998	884	796	276
112,194	407,323	Jul-23	1,300	28,375	4,963	879	818	275
112,278	406,973	Aug-23	1,302	28,398	4,987	872	816	276
110,611	414,755	Sep-23	1,290	28,707	5,048	867	819	277
118,338	514,487	Oct-23	1,268	28,897	5,225	849	824	278
108,814	786,862	Nov-23	1,234	29,102	5,268	852	813	271
109,400	1,071,889	Dec-23	1,230	29,259	5,331	860	796	275
112,068	1,362,037	Jan-24	1,229	29,325	5,342	861	797	275
105,847	1,399,117	Feb-24	1,226	29,352	5,364	860	798	276
120,889	1,157,787	Mar-24	1,232	29,350	5,358	864	797	277
113,868	915,197	Apr-24	1,264	29,479	5,290	883	798	277
114,138	656,126	May-24	1,272	29,199	5,148	887	804	278
108,085	462,048	Jun-24	1,285	29,143	5,017	894	830	281
112,194	413,770	Jul-24	1,284	29,167	4,981	889	853	280
112,278	413,335	Aug-24	1,286	29,191	5,006	882	851	281
110,611	421,486	Sep-24	1,274	29,509	5,067	877	854	282
118,338	523,741	Oct-24	1,252	29,704	5,244	859	859	283
108,814	804,064	Nov-24	1,219	29,916	5,288	862	847	276
109,400	1,096,991	Dec-24	1,215	30,077	5,351	870	830	280

112,068	1,391,384	Jan-25	1,214	30,144	5,362	871	831	280
105,847	1,429,520	Feb-25	1,211	30,172	5,384	870	832	281
120,889	1,181,767	Mar-25	1,217	30,166	5,378	874	831	282
113,868	933,370	Apr-25	1,248	30,300	5,310	893	832	282
114,138	667,945	May-25	1,256	30,011	5,167	897	838	283
108,085	469,408	Jun-25	1,269	29,957	5,036	904	865	286
112,194	419,677	Jul-25	1,268	29,982	4,999	899	889	285
112,278	419,166	Aug-25	1,270	30,007	5,025	892	887	286
110,611	427,683	Sep-25	1,258	30,334	5,086	887	890	287
118,338	532,341	Oct-25	1,237	30,535	5,263	869	895	288
108,814	820,010	Nov-25	1,204	30,753	5,308	872	883	281
109,400	1,120,151	Dec-25	1,200	30,918	5,371	880	865	285

Northern Utilities, Inc.
New Hampshire Division
Actual Billed Meters

7	8	9	10	11	12	13	14	15
G42	G52	Spc Cont						
G42	G52	Special Contracts	Total Division	Residential	LLF	HLF	Special Contracts	Total Division
29	32	3	35,203	28,218	5,830	1,152	3	35,203
30	32	3	35,059	28,169	5,725	1,162	3	35,059
30	32	3	35,059	28,190	5,710	1,156	3	35,059
30	31	3	35,097	28,213	5,732	1,149	3	35,097
30	31	3	35,435	28,493	5,794	1,145	3	35,435
31	31	3	35,757	28,649	5,977	1,128	3	35,757
30	31	3	35,942	28,808	6,007	1,124	3	35,942
29	32	3	36,145	28,952	6,053	1,137	3	36,145
29	32	3	36,220	29,014	6,065	1,138	3	36,220
29	32	3	36,266	29,037	6,088	1,138	3	36,266
29	32	3	36,276	29,049	6,081	1,143	3	36,276
30	32	3	36,383	29,203	6,015	1,162	3	36,383
29	31	3	35,995	28,947	5,879	1,166	3	35,995
30	31	3	35,853	28,900	5,774	1,176	3	35,853
30	31	3	35,855	28,922	5,760	1,170	3	35,855
30	30	3	35,894	28,946	5,782	1,163	3	35,894
30	30	3	36,241	29,234	5,845	1,159	3	36,241
31	30	3	36,569	29,396	6,028	1,142	3	36,569
30	30	3	36,759	29,560	6,058	1,138	3	36,759
29	31	3	36,967	29,709	6,104	1,151	3	36,967
29	31	3	37,044	29,773	6,116	1,152	3	37,044
29	31	3	37,090	29,796	6,139	1,152	3	37,090
29	31	3	37,096	29,804	6,132	1,157	3	37,096
30	31	3	37,207	29,962	6,066	1,176	3	37,207
29	30	3	36,810	29,698	5,929	1,180	3	36,810
30	30	3	36,670	29,653	5,824	1,190	3	36,670
30	30	3	36,673	29,675	5,811	1,184	3	36,673
30	29	3	36,713	29,700	5,833	1,177	3	36,713
30	29	3	37,070	29,997	5,897	1,173	3	37,070
31	29	3	37,404	30,165	6,080	1,156	3	37,404
30	29	3	37,602	30,336	6,111	1,152	3	37,602
29	30	3	37,813	30,489	6,156	1,165	3	37,813
29	30	3	37,891	30,554	6,168	1,166	3	37,891
29	30	3	37,938	30,578	6,191	1,166	3	37,938
29	30	3	37,940	30,582	6,184	1,171	3	37,940
30	30	3	38,054	30,743	6,118	1,190	3	38,054
29	29	3	37,649	30,471	5,981	1,194	3	37,649
30	29	3	37,512	30,428	5,877	1,204	3	37,512
30	29	3	37,516	30,451	5,864	1,198	3	37,516
30	28	3	37,558	30,477	5,887	1,191	3	37,558
30	28	3	37,924	30,783	5,951	1,187	3	37,924
31	28	3	38,263	30,956	6,134	1,170	3	38,263
30	28	3	38,469	31,135	6,165	1,166	3	38,469
29	29	3	38,684	31,292	6,210	1,179	3	38,684

29	29	3	38,763	31,358	6,222	1,180	3	38,763
29	29	3	38,811	31,383	6,245	1,180	3	38,811
29	29	3	38,809	31,383	6,238	1,185	3	38,809
30	29	3	38,927	31,548	6,172	1,204	3	38,927
29	28	3	38,512	31,267	6,034	1,208	3	38,512
30	28	3	38,378	31,226	5,931	1,218	3	38,378
30	28	3	38,383	31,250	5,918	1,212	3	38,383
30	27	3	38,427	31,277	5,942	1,205	3	38,427
30	27	3	38,802	31,592	6,006	1,201	3	38,802
31	27	3	39,148	31,772	6,189	1,184	3	39,148
30	27	3	39,361	31,957	6,221	1,180	3	39,361
29	28	3	39,579	32,118	6,265	1,193	3	39,579

	Total		Total	
583,125	583,125	-	35,203	35,203
426,376	426,376	-	35,059	35,059
384,587	384,587	-	35,059	35,059
385,149	385,149	-	35,097	35,097
392,793	392,793	-	35,435	35,435
486,861	486,861	-	35,757	35,757
742,238	742,238	-	35,942	35,942
1,012,081	1,012,081	-	36,145	36,145
1,300,722	1,300,722	-	36,220	36,220
1,335,467	1,335,467	-	36,266	36,266
1,107,637	1,107,637	-	36,276	36,276
877,111	877,111	-	36,383	36,383
631,324	631,324	-	35,995	35,995
446,553	446,553	-	35,853	35,853
401,291	401,291	-	35,855	35,855
401,013	401,013	-	35,894	35,894
408,450	408,450	-	36,241	36,241
505,819	505,819	-	36,569	36,569
770,886	770,886	-	36,759	36,759
1,048,687	1,048,687	-	36,967	36,967
1,330,142	1,330,142	-	37,044	37,044
1,365,979	1,365,979	-	37,090	37,090
1,131,708	1,131,708	-	37,096	37,096
895,396	895,396	-	37,207	37,207
643,255	643,255	-	36,810	36,810
454,024	454,024	-	36,670	36,670
407,323	407,323	-	36,673	36,673
406,973	406,973	-	36,713	36,713
414,755	414,755	-	37,070	37,070
514,487	514,487	-	37,404	37,404
786,862	786,862	-	37,602	37,602
1,071,889	1,071,889	-	37,813	37,813
1,362,037	1,362,037	-	37,891	37,891
1,399,117	1,399,117	-	37,938	37,938
1,157,787	1,157,787	-	37,940	37,940
915,197	915,197	-	38,054	38,054
656,126	656,126	-	37,649	37,649
462,048	462,048	-	37,512	37,512
413,770	413,770	-	37,516	37,516
413,335	413,335	-	37,558	37,558
421,486	421,486	-	37,924	37,924
523,741	523,741	-	38,263	38,263
804,064	804,064	-	38,469	38,469
1,096,991	1,096,991	-	38,684	38,684

1,391,384	1,391,384	-	38,763	38,763	-
1,429,520	1,429,520	-	38,811	38,811	-
1,181,767	1,181,767	-	38,809	38,809	-
933,370	933,370	-	38,927	38,927	-
667,945	667,945	-	38,512	38,512	-
469,408	469,408	-	38,378	38,378	-
419,677	419,677	-	38,383	38,383	-
419,166	419,166	-	38,427	38,427	-
427,683	427,683	-	38,802	38,802	-
532,341	532,341	-	39,148	39,148	-
820,010	820,010	-	39,361	39,361	-
1,120,151	1,120,151	-	39,579	39,579	-

	Act	WN	Ratio	Sales	WN Sales
Nov-19	698,186	710,939	1.02	314,112	319,850
Dec-19	1,016,439	967,728	0.95	591,865	563,501
Jan-20	1,130,011	1,190,671	1.05	666,199	701,961
Feb-20	1,133,789	1,255,585	1.11	668,771	740,613
Mar-20	1,005,451	1,023,935	1.02	568,670	579,125
Apr-20	707,067	739,593	1.05	378,541	395,955

Northern Utilities, Inc.
New Hampshire Division
Migration to Transportation Only Service by Rate Class
November 2021 through October 2022

C&I Rate Class	Annual Sales Service Deliveries (Dth)	Percentage of Sales Service Total by Rate Class	Sales Service Percentage by Rate Class
G40	983,033	41%	86%
G50	156,605	7%	84%
G41	765,997	32%	50%
G51	249,241	10%	49%
G42	161,855	7%	27%
G52	63,141	3%	4%
Special Contracts	-	0%	0%
Total C&I	2,379,872	100%	33%

C&I Rate Class	Annual Transport- Only Deliveries (Dth)	Percentage of Transport Only Total by Rate Class	Transportation Service Percentage by Rate Class
G40	157,376	3%	14%
G50	30,275	1%	16%
G41	772,150	16%	50%
G51	264,658	6%	52%
G42	433,200	9%	73%
G52	1,740,881	37%	97%
Special Contracts	1,346,530	28%	100%
Total C&I	4,745,071	100%	67%

C&I Rate Class	Annual Total Deliveries (Dth)	Percentage of Total by Rate Class
G40	1,140,409	16%
G50	186,880	3%
G41	1,538,147	22%
G51	513,900	7%
G42	595,055	8%
G52	1,804,022	25%
Special Contracts	1,346,530	19%
Total C&I	7,124,944	100%

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Northern Utilities - New Hampshire Division

Capacity Assignment Calculations 2021-2022

Derivation of Class Assignments and Weightings

Basic assumptions:

- 1 The MBA method allocates capacity costs based on design day demands in two pieces:
 - a The base use portion of the class design day demand based on base use
 - b The remaining portion of design day demand based on remaining design day demand
- 2 Base demand is composed solely of pipeline supplies
- 3 Remaining demand consists of a portion of pipeline and all storage and peaking supplies

	Design Day Demand, Dt	Adjusted Design Day Demand, Dt	Percent of Total	Avg Daily Base Use Load, Dt	Remaining Design Day Demand
1 RATE A-Resi Non-Htg	222	213	0.3%	32	181
2 RATE B-Resi Htg	24,141	23,132	36.8%	1,406	21,726
3 RATE G-40	11,858	11,362	18.1%	533	10,830
4 RATE G-50	905	867	1.4%	265	602
5 RATE G-41	9,240	8,854	14.1%	563	8,291
6 RATE G-51	1,441	1,380	2.2%	399	981
7 RATE G-42	1,952	1,871	3.0%	177	1,694
8 RATE G-52	365	350	0.6%	160	189
9 Special Contract	1,619	1,551	2.5%	1,537	14
10 RATE T-40	1,725	1,653	2.6%	109	1,544
11 RATE T-50	134	128	0.2%	-	128
12 RATE T-41	8,134	7,794	12.4%	677	7,117
13 RATE T-51	1,154	1,106	1.8%	512	594
14 RATE T-42	1,740	1,667	2.7%	114	1,553
15 RATE T-52	911	873	1.4%	444	429
16 Total	65,540	62,801	100.0%	6,928	55,874
17					-
18 Residential Total	24,363	23,345	37.2%	1,438	21,907
19 LLF Total	34,649	33,201	52.9%	2,172	31,029
20 HLF Total	6,529	6,256	10.0%	3,318	2,938
21 Total	65,540	62,801	100.0%	6,928	55,874
22					
23					
24	Residential MDQ, Dt	Total C&I MDQ, Dt	LLF C&I MDQ, Dt	HLF C&I MDQ, Dt	Total MDQ, Dt
25 Residential Allocation					
26 Pipeline - Base	1,438	5,490	2,172	3,318	6,928
27 Pipeline - Remaining	5,195	5,721	5,226	495	10,916
28 Storage	6,947	11,741	10,726	1,016	18,688
29 Peaking	9,765	16,505	15,077	1,428	26,270
30 Total	23,345	39,457	33,201	6,256	62,801
31 Check - Should be 0	-	-	-	-	-
32					
33 Capacity Allocations %s					
34					
35 Pipeline		22.28%	60.95%		
36 Storage		32.31%	16.23%		
37 Peaking		45.41%	22.82%		
38 Total		100.00%	100.00%		

Northern Utilities
New Hampshire Division Capacity Assignment Calculations

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	HLF	LLF	Total TCQ	Capacity Assignment	Pipeline MDQ	Storage MDQ	Peaking MDQ	Total MDQ
Retail Supplier Total	3,658	11,114	14,772	14,800	4,715	4,193	5,892	14,800
Northern -Total MDQ					17,844	18,688	26,270	62,801
NH Cap Assign/ Total MDQ		CHECK S/B 0 ->	0		26.42%	22.44%	22.43%	23.57%
HLF Capacity Allocator					60.95%	16.23%	22.82%	100.00%
LLF Capacity Allocator					22.28%	32.31%	45.41%	100.00%

	Percentage Design Day 43.97%		Capacity Assignment Plan	
Pipeline Capacity Paths	Northern MDQ	NH Division MDQ	Pipeline Assigned %	Capacity Assigned
Tennessee Long-Haul	13,109	5,763	26.43%	1,523
Tennessee Niagara	2,327	1,023	26.39%	270
Iroquois Receipts	6,434	2,829	26.44%	748
Leidy Supply (Texas Eastern, Algonquin)	965	424	26.42%	112
Transco Zone 6, non-NY Supply (Algonquin)	286	126	26.19%	33
PXP Dawn Hub	9,965	4,381	26.43%	1,158
Atlantic Bridge Ramapo	7,500	3,297	26.42%	871
Total Pipeline Capacity	40,586	17,843	26.42%	4,715
Storage Capacity Paths	Northern MDQ	NH Division MDQ	Storage Assigned %	Capacity Assigned
Tennessee Firm Storage	2,644	1,162	22.44%	261
Dawn Hub Storage	39,863	17,526	22.44%	3,932
Total Storage Capacity	42,507	18,688	22.44%	4,193
Peaking Capacity Paths	Northern MDQ	NH Division MDQ	Peaking Assigned %	Capacity Assigned
LNG - On-System	6,500	2,858	22.43%	641
Granite - Not assigned as Storage or Pipeline Capacity	53,251	23,412	22.43%	5,251
Total Peaking Capacity	59,751	26,270	22.43%	5,892
Total Capacity	142,844	62,801	23.57%	14,800

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Northern Utilities, Inc.
 New Hampshire Division
 Design Day Forecast by Rate Class

2020-2021 Forecast Annual Sales (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	23,447	2,021,317	983,033	156,605	765,997	249,241	161,855	63,141	0	2,044,763	1,910,885	468,988	4,424,636
Capacity Assigned Delivery Service			155,432	28,877	732,925	249,618	156,780	197,110	554,272		1,045,137	1,029,877	2,075,014
Capacity Exempt Delivery Service			1,945	1,398	39,225	15,040	276,420	1,543,771	792,258		317,590	2,352,468	2,670,058
Total System	23,447	2,021,317	1,140,409	186,880	1,538,147	513,900	595,055	1,804,022	1,346,530	2,044,763	3,273,611	3,851,332	9,169,707

2020-2021 Forecast Annual Sendout (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	23,743	2,046,904	995,476	158,588	775,693	252,396	163,904	63,940		2,070,647	1,935,074	474,924	4,480,645
Capacity Assigned Delivery Service			157,399	29,242	742,202	252,778	158,765	199,605	561,288		1,058,366	1,042,913	2,101,279
Capacity Exempt Delivery Service			1,969	1,416	39,721	15,231	279,919	1,563,312	802,287		321,610	2,382,245	2,703,855
Total System	23,743	2,046,904	1,154,845	189,246	1,557,617	520,405	602,588	1,826,858	1,363,575	2,070,647	3,315,049	3,900,083	9,285,779

Prior Year WN Act	Total Division	Percent Change
	4,167,075	7.5%
	1,969,209	6.7%
	2,434,507	11.1%
	8,570,791	8.3%

2020-2021 Forecast Load Factor (%)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	29.3%	23.2%	23.0%	48.0%	23.0%	48.0%	23.0%	48.0%		23.3%	23.0%	48.0%	24.5%
Capacity Assigned Delivery Service			25.0%	60.0%	25.0%	60.0%	25.0%	60.0%	95.0%		25.0%	74.8%	37.3%
Capacity Exempt Delivery Service			40.0%	70.0%	40.0%	70.0%	40.0%	70.0%	85.0%		40.0%	74.4%	67.5%
Total System	29.3%	23.2%	23.3%	49.7%	24.2%	53.7%	29.4%	67.7%	88.8%	23.3%	24.6%	69.8%	33.3%

Prior Year Actual	Total Division	Percent Change
	23.6%	3.6%
	37.4%	-0.2%
	63.5%	6.3%
	32.1%	3.7%

2020-2021 Design Day Sendout (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	222	24,141	11,858	905	9,240	1,441	1,952	365		24,363	23,050	2,711	50,124
Capacity Assigned Delivery Service			1,725	134	8,134	1,154	1,740	911	1,619		11,599	3,818	15,416
Capacity Exempt Delivery Service			13	6	272	60	1,917	6,119	2,586		2,203	8,770	10,973
Total System	222	24,141	13,596	1,044	17,646	2,654	5,610	7,395	4,205	24,363	36,852	15,298	76,513

Prior Year Design Day Actual	Total Division	Percent Change
	48,308	3.8%
	14,413	7.0%
	10,504	4.5%
	73,224	4.5%

2020-2021 Baseload Sendout (Dth)
 (Average Daily July and August Sendout)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	32	1,406	533	265	563	399	177	160		1,438	1,273	825	3,536
Capacity Assigned Delivery Service			109	0	677	512	114	444	1,537		899	2,493	3,392
Capacity Exempt Delivery Service			1	0	55	35	359	3,978	2,129		415	6,142	6,557
Total System	32	1,406	643	265	1,295	946	649	4,582	3,666	1,438	2,587	9,460	13,485

2020-2021 Planning Load Design Day Sendout (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	222	24,141	11,858	905	9,240	1,441	1,952	365		24,363	23,050	2,711	50,124
Capacity Assigned Delivery Service			1,725	134	8,134	1,154	1,740	911	1,619		11,599	3,818	15,416
Capacity Exempt Delivery Service			0	0	0	0	0	0	0		0	0	0
Total System	222	24,141	13,583	1,039	17,374	2,595	3,692	1,276	1,619	24,363	34,649	6,529	65,540

2020-2021 Planning Load Baseload Sendout (Dth)
 (Average Daily July and August Sendout)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Res	LLF	HLF	Total Division
Sales Service	32	1,406	533	265	563	399	177	160		1,438	1,273	825	3,536
Capacity Assigned Delivery Service			109	0	677	512	114	444	1,537		899	2,493	3,392
Capacity Exempt Delivery Service			0	0	0	0	0	0	0		0	0	0
Total System	32	1,406	641	265	1,240	911	290	604	1,537	1,438	2,172	3,318	6,928

Table 2. Distribution and Sales Service Deliveries & Required City-Gate Rece

Month	Total Distribution Service Deliveries (Dth)	Sales Service Deliveries (Dth)	Company Managed Deliveries (Dth)
Nov-21	904,460	471,318	23,850
Dec-21	1,138,582	672,045	25,927
Jan-22	1,311,721	788,030	30,414
Feb-22	1,165,490	677,460	22,901
Mar-22	1,079,498	579,426	24,645
Apr-22	775,504	345,654	0
May-22	525,996	190,761	0
Jun-22	421,906	125,725	0
Jul-22	410,447	107,420	0
Aug-22	419,208	109,042	0
Sep-22	428,956	120,812	0
Oct-22	587,938	236,943	0
Winter	6,375,256	3,533,933	127,737
Summer	2,794,451	890,703	0
Annual	9,169,707	4,424,636	127,737

Receipts Summary	
City-Gate Receipts (Dth)	
	501,134
	706,478
	828,419
	708,937
	611,406
	350,029
	193,176
	127,316
	108,780
	110,423
	122,341
	239,943
	3,706,403
	901,979
	4,608,382

Sales Service	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
Base	3.556954096	1.33621181	0.855211128	2.891056736	0.03839483	1.268318211
Space	0.418240504	0.551748186	0.570178632	0.525251507	0.557992785	0.44710494
Normal Year	427,499	662,691	773,446	674,484	559,741	310,784

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Forecast	477,284	680,551	798,005	686,036	586,761	350,029
Adjustment Factor	112%	103%	103%	102%	105%	113%
Base	3.971183377	1.372223633	0.882366903	2.940573256	0.040248237	1.428480179
Space	0.466947195	0.566618177	0.588283684	0.534247742	0.584928376	0.503564909

	477.284	680.551	798.005	686.036	586.761	350.029
	477,284	680,551	798,005	686,036	586,761	350,029
	-	-	-	-	-	-

May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
2.734831576	2.855916086	2.661193548	2.837806452	3.167315006	0.974633601	3.556954096
0.256195073	0.077474318	0	0	0.103024644	0.434873471	0.418240504
164,713	92,340	82,497	87,972	107,176	223,732	427,499

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
193,176	127,316	108,780	110,423	122,341	239,943	491,586
117%	138%	132%	126%	114%	107%	115%
3.207427304	3.937651437	3.509032258	3.562032258	3.615466058	1.045251277	4.090181426
0.300467159	0.106819266	0	0	0.11760185	0.466382495	0.480939449

193.176	127.316	108.78	110.423	122.341	239.943
193,176	127,316	108,780	110,423	122,341	239,943
-	-	-	-	-	-

Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
1.33621181	0.855211128	2.891056736	0.03839483	1.268318211
0.551748186	0.570178632	0.525251507	0.557992785	0.44710494
662,691	773,446	674,484	559,741	310,784

Dec-22	Jan-23	Feb-23	Mar-23	Apr-23
700,425	819,757	704,726	602,731	359,525
106%	106%	104%	108%	116%
1.412296416	0.906418437	3.02068467	0.041343681	1.467233676
0.583165019	0.604319106	0.548802504	0.600848497	0.517226213

For

		Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Assigned		3	4	5	6	7	8
G40	40	19,327	22,742	25,990	23,727	23,556	18,584
G41	41	85,936	101,523	115,997	105,895	105,099	82,850
G42	42	15,726	22,304	28,511	23,877	20,528	14,140
G50	50	2,369	2,812	3,214	2,922	2,882	2,257
G51	51	21,305	25,166	28,771	26,276	26,045	20,361
G52	52	18,871	18,692	20,054	21,463	21,345	18,794
Special Co	SC	45,307	44,851	47,601	44,070	48,203	43,342
		208,842	238,091	270,138	248,232	247,658	200,328

Exempt							
G40	40	228	274	319	302	311	233
G41	41	4,502	4,925	5,680	5,238	5,283	4,174
G42	42	24,986	32,196	39,915	36,278	33,082	24,617
G50	50	106	102	117	120	139	125
G51	51	1,236	1,365	1,556	1,423	1,467	1,329
G52	52	129,736	125,035	141,500	134,661	139,446	128,518
Special Co	SC	63,508	64,549	64,467	61,777	72,685	70,526
		224,300	228,447	253,554	239,798	252,414	229,522

Total FT 433,142 466,537 523,692 488,030 500,072 429,850

Total							
G40	40	19,554	23,016	26,309	24,029	23,867	18,816
G41	41	90,438	106,448	121,677	111,133	110,382	87,024
G42	42	40,712	54,501	68,426	60,155	53,610	38,757
G50	50	2,476	2,914	3,331	3,042	3,022	2,382
G51	51	22,541	26,531	30,327	27,699	27,512	21,690
G52	52	148,607	143,727	161,554	156,124	160,791	147,313
Special Co	SC	108,814	109,400	112,068	105,847	120,889	113,868
		433,142	466,537	523,692	488,030	500,072	429,850

Prior Year

Used to allocate Delive

		Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21
		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Assigned		3	4	5	6	7	8
G40	40	15,019	23,312	27,279	22,730	19,667	10,990
G41	41	76,357	111,721	130,041	112,246	97,305	56,872
G42	42	14,566	19,990	22,878	19,828	17,168	11,397
G50	50	2,423	2,843	3,031	2,697	2,607	2,184
G51	51	19,944	23,659	26,127	24,135	23,743	18,628
G52	52	18,189	19,760	19,757	19,641	20,420	18,415
Special Co	SC	46,832	36,848	47,914	45,475	46,930	41,570

		193,332	238,133	277,027	246,751	227,840	160,057
	Exempt						
G40	40	177	281	335	289	260	138
G41	41	4,000	5,420	6,368	5,552	4,892	2,865
G42	42	23,143	28,855	32,029	30,126	27,668	19,842
G50	50	109	103	111	111	126	121
G51	51	1,157	1,284	1,413	1,307	1,337	1,215
G52	52	125,049	132,180	139,401	123,226	133,401	125,925
Special Co	SC	51,207	58,010	56,686	51,674	62,311	59,295
		204,841	226,132	236,341	212,285	229,994	209,402
	Total FT	398,173	464,265	513,368	459,036	457,834	369,459
	Total						
G40	40	15,196	23,594	27,614	23,019	19,927	11,128
G41	41	80,357	117,141	136,409	117,798	102,197	59,738
G42	42	37,710	48,845	54,906	49,954	44,836	31,239
G50	50	2,532	2,946	3,142	2,807	2,732	2,306
G51	51	21,101	24,943	27,540	25,441	25,081	19,843
G52	52	143,238	151,940	159,158	142,867	153,820	144,340
Special Co	SC	98,038	94,857	104,600	97,149	109,240	100,866
		398,173	464,265	513,368	459,036	457,834	369,459

ecast Delivery Service Sales by CA Status (Assigned, Exempt) by Rate Class

May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	
May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
9	10	11	12	13	14	15
3,773	3,379	3,252	3,397	3,483	4,222	19,716
24,135	21,284	20,315	21,127	21,873	26,890	89,325
6,204	3,260	3,393	3,576	4,934	10,328	17,288
2,155	1,946	1,888	1,974	2,016	2,441	2,472
17,775	15,941	15,282	16,049	16,601	20,046	21,912
10,907	9,692	13,198	13,977	13,256	16,859	19,695
47,557	44,034	47,561	46,551	46,076	49,118	45,307
112,506	99,537	104,890	106,652	108,238	129,904	170,407

54	45	40	41	45	52	232
1,347	1,517	1,606	1,768	1,619	1,566	4,679
18,833	13,021	10,990	10,985	12,630	18,887	27,467
148	114	93	95	107	131	111
1,262	1,093	1,095	1,055	948	1,212	1,271
134,503	116,803	119,680	123,843	120,022	130,024	135,404
66,581	64,051	64,633	65,727	64,535	69,220	63,508
222,729	196,644	198,137	203,514	199,906	221,091	232,671

335,235 296,181 303,027 310,166 308,145 350,994 403,079

3,827	3,424	3,292	3,439	3,528	4,274	19,948
25,482	22,801	21,922	22,895	23,491	28,455	94,004
25,037	16,281	14,383	14,561	17,564	29,215	44,754
2,303	2,061	1,981	2,069	2,123	2,572	2,582
19,037	17,034	16,377	17,104	17,549	21,258	23,183
145,411	126,495	132,878	137,820	133,278	146,883	155,100
114,138	108,085	112,194	112,278	110,611	118,338	108,814
335,235	296,181	303,027	310,166	308,145	350,994	448,385

r WN Actual Delivery Service Sales by CA Status (Assigned, Exempt) by Rate Class

ry Service Forecast between CA and Exempt (except for SC - used individual customer forecast)

May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20
May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	
9	10	11	12	13	14	15
5,394	2,654	1,965	1,987	3,013	7,812	15,019
27,166	13,932	10,610	10,929	17,641	44,318	76,357
3,971	2,375	2,144	2,446	4,009	9,294	14,566
1,442	1,492	1,707	1,878	1,938	2,208	2,423
11,977	11,959	12,832	13,710	14,561	17,680	19,944
10,042	9,681	12,287	13,147	13,559	16,046	18,189
40,263	42,405	43,203	41,715	43,345	49,569	46,832

100,255	84,497	84,748	85,813	98,066	146,928	193,332
77	36	24	24	39	96	177
1,516	993	839	915	1,306	2,580	4,000
12,056	9,486	6,943	7,515	10,264	16,997	23,143
99	88	84	90	103	118	109
851	820	920	902	831	1,069	1,157
123,829	116,672	111,420	116,487	122,764	123,756	125,049
39,161	47,362	50,042	49,646	49,487	55,109	51,207
177,589	175,456	170,271	175,578	184,795	199,725	204,841
277,844	259,953	255,019	261,391	282,861	346,653	398,173
5,471	2,690	1,990	2,011	3,052	7,908	15,196
28,682	14,925	11,449	11,844	18,947	46,898	80,357
16,028	11,861	9,087	9,961	14,274	26,292	37,710
1,541	1,580	1,791	1,968	2,041	2,327	2,532
12,827	12,778	13,751	14,611	15,393	18,749	21,101
133,871	126,353	123,707	129,634	136,323	139,802	143,238
79,424	89,767	93,245	91,361	92,832	104,678	98,038
277,844	259,953	255,019	261,391	282,861	346,653	398,173

Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Nov-Oct Annual
16	17	18	19	20	
23,199	26,513	24,204	24,030	18,958	155,432
105,527	120,571	110,071	109,243	86,117	732,925
24,106	29,196	24,451	21,021	14,480	156,780
2,933	3,352	3,048	3,007	2,354	28,877
25,882	29,591	27,025	26,787	20,941	249,618
19,509	20,360	21,790	21,670	19,081	197,110
44,851	47,601	44,070	48,203	43,342	554,272
201,157	229,583	210,590	205,758	161,931	2,075,014

280	326	308	317	237	1,945
5,119	5,904	5,445	5,492	4,339	39,225
34,797	40,874	37,149	33,877	25,209	276,420
106	122	125	145	131	1,398
1,404	1,600	1,463	1,509	1,366	15,040
130,498	143,655	136,712	141,571	130,476	1,543,771
64,549	64,467	61,777	72,685	70,526	792,258
172,205	192,482	181,203	182,911	161,758	2,670,058
373,362	422,064	391,793	388,668	323,689	4,745,071

23,479	26,838	24,513	24,347	19,195	157,376
110,646	126,475	115,516	114,735	90,456	772,150
58,903	70,070	61,601	54,898	39,688	433,200
3,040	3,474	3,173	3,152	2,485	30,275
27,287	31,191	28,488	28,295	22,308	264,658
150,007	164,015	158,503	163,241	149,557	1,740,881
109,400	112,068	105,847	120,889	113,868	1,346,530
482,762	534,132	497,640	509,557	437,557	4,745,071

Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	WN Annual
16	17	18	19	20	
23,312	27,279	22,730	19,667	10,990	141,824
111,721	130,041	112,246	97,305	56,872	709,139
19,990	22,878	19,828	17,168	11,397	130,067
2,843	3,031	2,697	2,607	2,184	26,451
23,659	26,127	24,135	23,743	18,628	218,955
19,760	19,757	19,641	20,420	18,415	190,945
36,848	47,914	45,475	46,930	41,570	526,068

238,133	277,027	246,751	227,840	160,057	1,943,447
281	335	289	260	138	1,776
5,420	6,368	5,552	4,892	2,865	37,245
28,855	32,029	30,126	27,668	19,842	224,924
103	111	111	126	121	1,262
1,284	1,413	1,307	1,337	1,215	13,104
132,180	139,401	123,226	133,401	125,925	1,494,109
58,010	56,686	51,674	62,311	59,295	629,989
226,132	236,341	212,285	229,994	209,402	2,402,409
464,265	513,368	459,036	457,834	369,459	4,345,856
23,594	27,614	23,019	19,927	11,128	143,600
117,141	136,409	117,798	102,197	59,738	746,384
48,845	54,906	49,954	44,836	31,239	354,991
2,946	3,142	2,807	2,732	2,306	27,713
24,943	27,540	25,441	25,081	19,843	232,059
151,940	159,158	142,867	153,820	144,340	1,685,054
94,857	104,600	97,149	109,240	100,866	1,156,057
464,265	513,368	459,036	457,834	369,459	4,345,856

Northern Utilities, Inc.
 New Hampshire Division
 Sales Service Deliveries Forecast by Rate Class

Forecast Calendar Month Sales Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	2,036	221,484	112,857	11,832	82,895	19,614	15,211	5,390	0	471,318
Dec-21	2,920	317,676	161,872	16,971	118,898	28,132	20,363	5,213	0	672,045
Jan-22	3,417	371,797	189,449	19,862	139,154	32,925	25,566	5,859	0	788,030
Feb-22	2,933	319,078	162,586	17,046	119,422	28,256	22,475	5,663	0	677,460
Mar-22	2,500	272,023	138,609	14,532	101,811	24,089	20,030	5,832	0	579,426
Apr-22	1,472	160,114	81,586	8,554	59,926	14,179	14,481	5,343	0	345,654
May-22	1,761	77,414	29,330	14,616	31,016	21,996	9,354	5,274	0	190,761
Jun-22	1,150	50,568	19,159	9,547	20,260	14,368	6,083	4,588	0	125,725
Jul-22	972	42,733	16,191	8,068	17,121	12,142	5,374	4,819	0	107,420
Aug-22	986	43,338	16,420	8,182	17,363	12,314	5,440	4,999	0	109,042
Sep-22	1,094	48,090	18,220	9,080	19,267	13,664	6,562	4,834	0	120,812
Oct-22	2,206	97,002	36,752	18,314	38,864	27,562	10,915	5,327	0	236,943
Winter	15,277	1,662,172	846,960	88,798	622,105	147,195	118,126	33,300	0	3,533,933
Summer	8,169	359,145	136,073	67,808	143,892	102,047	43,729	29,841	0	890,703
Total	23,447	2,021,317	983,033	156,605	765,997	249,241	161,855	63,141	0	4,424,636

Forecast Calendar Month Distribution Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	2,036	221,484	132,411	14,308	173,333	42,154	55,923	153,997	108,814	904,460
Dec-21	2,920	317,676	184,888	19,885	225,345	54,663	74,864	148,940	109,400	1,138,582
Jan-22	3,417	371,797	215,758	23,193	260,831	63,252	93,992	167,413	112,068	1,311,721
Feb-22	2,933	319,078	186,616	20,088	230,555	55,955	82,630	161,787	105,847	1,165,490
Mar-22	2,500	272,023	162,476	17,554	212,193	51,601	73,640	166,623	120,889	1,079,498
Apr-22	1,472	160,114	100,402	10,936	146,950	35,869	53,238	152,656	113,868	775,504
May-22	1,761	77,414	33,158	16,919	56,498	41,033	34,391	150,685	114,138	525,996
Jun-22	1,150	50,568	22,584	11,608	43,062	31,402	22,363	131,083	108,085	421,906
Jul-22	972	42,733	19,483	10,049	39,043	28,519	19,757	137,698	112,194	410,447
Aug-22	986	43,338	19,858	10,251	40,259	29,418	20,001	142,819	112,278	419,208
Sep-22	1,094	48,090	21,748	11,203	42,759	31,214	24,126	138,112	110,611	428,956
Oct-22	2,206	97,002	41,026	20,886	67,319	48,820	40,130	152,210	118,338	587,938
Winter	15,277	1,662,172	982,552	105,964	1,249,208	303,494	434,287	951,416	670,886	6,375,256
Summer	8,169	359,145	157,857	80,916	288,939	210,406	160,769	852,606	675,644	2,794,451
Total	23,447	2,021,317	1,140,409	186,880	1,538,147	513,900	595,055	1,804,022	1,346,530	9,169,707

Forecast Sales Service Percentage

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	100%	100%	85%	83%	48%	47%	27%	4%	0%	52%
Dec-21	100%	100%	88%	85%	53%	51%	27%	4%	0%	59%
Jan-22	100%	100%	88%	86%	53%	52%	27%	4%	0%	60%
Feb-22	100%	100%	87%	85%	52%	50%	27%	4%	0%	58%
Mar-22	100%	100%	85%	83%	48%	47%	27%	4%	0%	54%
Apr-22	100%	100%	81%	78%	41%	40%	27%	4%	0%	45%
May-22	100%	100%	88%	86%	55%	54%	27%	4%	0%	36%
Jun-22	100%	100%	85%	82%	47%	46%	27%	4%	0%	30%
Jul-22	100%	100%	83%	80%	44%	43%	27%	4%	0%	26%
Aug-22	100%	100%	83%	80%	43%	42%	27%	4%	0%	26%
Sep-22	100%	100%	84%	81%	45%	44%	27%	4%	0%	28%
Oct-22	100%	100%	90%	88%	58%	56%	27%	4%	0%	40%
Winter	100%	100%	86%	84%	50%	49%	27%	4%	0%	55%
Summer	100%	100%	86%	84%	50%	49%	27%	4%	0%	32%
Total	100%	100%	86%	84%	50%	49%	27%	4%	0%	48%

Northern Utilities, Inc.
New Hampshire Division
Sales Service Deliveries Forecast by Rate Class

Forecast Bill Month Sales Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	1,859	152,046	71,747	10,663	65,802	20,132	15,211	5,390	0	342,850
Dec-21	2,658	259,212	129,015	13,367	100,279	24,261	20,363	5,213	0	554,368
Jan-22	3,075	358,894	189,730	17,484	132,778	27,980	25,566	5,859	0	761,365
Feb-22	3,131	386,739	201,973	18,067	139,670	28,617	22,475	5,663	0	806,334
Mar-22	2,430	287,126	148,549	15,786	106,303	25,365	20,030	5,832	0	611,422
Apr-22	2,125	218,156	105,946	13,431	77,274	20,839	14,481	5,343	0	457,594
May-22	1,709	124,811	53,710	11,269	45,627	18,533	9,354	5,274	0	270,287
Jun-22	1,433	61,437	21,702	11,455	23,758	17,266	6,083	4,588	0	147,721
Jul-22	1,276	39,664	12,329	11,228	15,126	15,825	5,374	4,819	0	105,641
Aug-22	1,213	35,409	11,618	11,339	14,049	16,526	5,440	4,999	0	100,593
Sep-22	1,247	38,017	13,399	11,599	16,955	15,960	6,562	4,834	0	108,572
Oct-22	1,291	59,806	23,315	10,919	28,377	17,937	10,915	5,327	0	157,888
Winter	15,277	1,662,172	846,960	88,798	622,105	147,195	118,126	33,300	0	3,533,933
Summer	8,169	359,145	136,073	67,808	143,892	102,047	43,729	29,841	0	890,703
Total	23,447	2,021,317	983,033	156,605	765,997	249,241	161,855	63,141	0	4,424,636

Forecast Bill Month Distribution Service Deliveries (Dth)

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	1,859	152,046	83,233	12,724	132,132	41,510	55,923	153,997	108,814	742,238
Dec-21	2,658	259,212	149,670	15,951	201,364	50,023	74,864	148,940	109,400	1,012,081
Jan-22	3,075	358,894	220,104	20,864	266,622	57,690	93,992	167,413	112,068	1,300,722
Feb-22	3,131	386,739	234,307	21,560	280,461	59,005	82,630	161,787	105,847	1,335,467
Mar-22	2,430	287,126	172,331	18,838	213,461	52,299	73,640	166,623	120,889	1,107,637
Apr-22	2,125	218,156	122,907	16,027	155,168	42,967	53,238	152,656	113,868	877,111
May-22	1,709	124,811	62,308	13,447	91,621	38,213	34,391	150,685	114,138	631,324
Jun-22	1,433	61,437	25,177	13,669	47,706	35,600	22,363	131,083	108,085	446,553
Jul-22	1,276	39,664	14,303	13,398	30,373	32,629	19,757	137,698	112,194	401,291
Aug-22	1,213	35,409	13,478	13,531	28,211	34,074	20,001	142,819	112,278	401,013
Sep-22	1,247	38,017	15,544	13,841	34,046	32,906	24,126	138,112	110,611	408,450
Oct-22	1,291	59,806	27,047	13,030	56,982	36,984	40,130	152,210	118,338	505,819
Winter	15,277	1,662,172	982,552	105,964	1,249,208	303,494	434,287	951,416	670,886	6,375,256
Summer	8,169	359,145	157,857	80,916	288,939	210,406	160,769	852,606	675,644	2,794,451
Total	23,447	2,021,317	1,140,409	186,880	1,538,147	513,900	595,055	1,804,022	1,346,530	9,169,707

Forecast Sales Service Percentage

	Res Non-Heat	Res Heat	G40	G50	G41	G51	G42	G52	Special Contracts	Total Division
Nov-21	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	46.2%
Dec-21	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	54.8%
Jan-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	58.5%
Feb-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	60.4%
Mar-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	55.2%
Apr-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	52.2%
May-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	42.8%
Jun-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	33.1%
Jul-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	26.3%
Aug-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	25.1%
Sep-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	26.6%
Oct-22	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	31.2%
Winter	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	55.4%
Summer	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	31.9%
Total	100.0%	100.0%	86.2%	83.8%	49.8%	48.5%	27.2%	3.5%	0.0%	48.3%

Northern Utilities, Inc.
New Hampshire Division
Forecast Total Billed Meters

Month	Res Non-Heat	Res Heat	G/T40	G/T50	G/T41	G/T51	G/T42	G/T52	Special Contracts	Total Division
Nov-21	1,220	26,228	5,059	815	727	278	34	33	3	34,397
Dec-21	1,210	26,264	5,097	819	732	278	34	32	3	34,469
Jan-22	1,268	26,349	5,097	818	733	278	34	32	3	34,612
Feb-22	1,266	26,391	5,104	820	732	278	35	32	3	34,661
Mar-22	1,267	26,399	5,085	822	731	278	35	32	3	34,652
Apr-22	1,280	26,442	5,055	829	729	278	35	32	3	34,683
May-22	1,261	26,321	4,989	835	668	281	30	33	3	34,421
Jun-22	1,265	26,219	4,880	830	667	281	30	33	3	34,208
Jul-22	1,261	26,054	4,834	828	666	282	30	33	3	33,991
Aug-22	1,261	26,062	4,817	826	664	282	30	33	3	33,978
Sep-22	1,242	26,232	4,822	826	678	290	30	33	3	34,156
Oct-22	1,213	26,489	4,938	822	728	281	33	33	3	34,540

Forecast Delivery Service Billed Meters

Month	Res Non-Heat	Res Heat	40	50	41	51	42	52	Special Contracts	Total Division
Nov-21	-	-	503	86	302	124	21	30	3	1,069
Dec-21	-	-	503	86	302	124	21	30	3	1,069
Jan-22	-	-	503	86	302	124	21	30	3	1,069
Feb-22	-	-	503	86	302	124	21	30	3	1,069
Mar-22	-	-	503	86	302	124	21	30	3	1,069
Apr-22	-	-	503	86	302	124	21	30	3	1,069
May-22	-	-	503	86	302	124	21	30	3	1,069
Jun-22	-	-	503	86	302	124	21	30	3	1,069
Jul-22	-	-	503	86	302	124	21	30	3	1,069
Aug-22	-	-	503	86	302	124	21	30	3	1,069
Sep-22	-	-	503	86	302	124	21	30	3	1,069
Oct-22	-	-	503	86	302	124	21	30	3	1,069

Forecast Sales Service Billed Meters

Month	Res Non-Heat	Res Heat	40	50	41	51	42	52	Special Contracts	Total Division
Nov-21	1,220	26,228	4,556	729	425	154	13	3	-	33,328
Dec-21	1,210	26,264	4,594	733	430	154	13	2	-	33,400
Jan-22	1,268	26,349	4,594	732	431	154	13	2	-	33,543
Feb-22	1,266	26,391	4,601	734	430	154	14	2	-	33,592
Mar-22	1,267	26,399	4,582	736	429	154	14	2	-	33,583
Apr-22	1,280	26,442	4,552	743	427	154	14	2	-	33,614
May-22	1,261	26,321	4,486	749	366	157	9	3	-	33,352
Jun-22	1,265	26,219	4,377	744	365	157	9	3	-	33,139
Jul-22	1,261	26,054	4,331	742	364	158	9	3	-	32,922
Aug-22	1,261	26,062	4,314	740	362	158	9	3	-	32,909
Sep-22	1,242	26,232	4,319	740	376	166	9	3	-	33,087
Oct-22	1,213	26,489	4,435	736	426	157	12	3	-	33,471

Northern Utilities, Inc.
New Hampshire Division
Estimation of Northern - New Hampshire City-Gate Sendout Requirement

Month	Sales Service Deliveries (Dth)	Company Gas Allowance (Percent)	Company Gas Allowance (LAUF and Company Use) (Dth)	Estimated Division Sales Service Sendout (Dth)	Estimated Company-Managed Sales	Total Estimated City-Gate Sendout Requirement
Nov-21	471,318	1.25%	5,966	477,284	23,850	501,134
Dec-21	672,045	1.25%	8,506	680,551	25,927	706,478
Jan-22	788,030	1.25%	9,975	798,005	30,414	828,419
Feb-22	677,460	1.25%	8,576	686,036	22,901	708,937
Mar-22	579,426	1.25%	7,335	586,761	24,645	611,406
Apr-22	345,654	1.25%	4,375	350,029	0	350,029
May-22	190,761	1.25%	2,415	193,176	0	193,176
Jun-22	125,725	1.25%	1,591	127,316	0	127,316
Jul-22	107,420	1.25%	1,360	108,780	0	108,780
Aug-22	109,042	1.25%	1,381	110,423	0	110,423
Sep-22	120,812	1.25%	1,529	122,341	0	122,341
Oct-22	236,943	1.25%	3,000	239,943	0	239,943
Winter	3,533,933	1.25%	44,733	3,578,666	127,737	3,706,403
Summer	890,703	1.25%	11,276	901,979	0	901,979
Annual	4,424,636	1.25%	56,009	4,480,645	127,737	4,608,382

Northern Utilities, Inc.
New Hampshire Division
Lost and Unaccounted For, Company Use and Therm Factor Data

Month	GSGT - NH City-Gates (MCF)	Therm Factor	Total - NH City-Gate (Dth)	Total System Billed Sales (Dth)	Company Use (Dth)	Lost and Unaccounted For (Dth)	Company Gas Allowance (Dth)
May-17	505,254	1.0276	519,184	568,537	74	(49,427)	(49,353)
Jun-17	367,334	1.0280	377,630	385,479	56	(7,905)	(7,849)
Jul-17	339,837	1.0256	348,547	387,504	59	(39,016)	(38,957)
Aug-17	361,673	1.0280	371,789	366,064	62	5,663	5,725
Sep-17	357,543	1.0278	367,472	356,844	56	10,572	10,628
Oct-17	446,927	1.0284	459,625	427,725	32	31,868	31,900
Nov-17	794,934	1.0307	819,307	581,080	71	238,156	238,227
Dec-17	1,205,148	1.0339	1,245,942	1,003,583	209	242,150	242,359
Jan-18	1,274,596	1.0394	1,324,764	1,403,452	373	(79,061)	(78,688)
Feb-18	936,704	1.0340	968,580	1,110,067	270	(141,757)	(141,487)
Mar-18	999,035	1.0334	1,032,433	998,242	239	33,952	34,191
Apr-18	766,729	1.0318	791,111	889,669	211	(98,769)	(98,558)
May-18	443,025	1.0283	455,580	574,552	108	(119,080)	(118,972)
Jun-18	369,548	1.0292	380,339	409,352	40	(29,053)	(29,013)
Jul-18	351,086	1.0289	361,236	352,762	92	8,382	8,474
Aug-18	363,051	1.0284	373,373	369,837	131	3,406	3,537
Sep-18	378,195	1.0276	388,633	370,269	131	18,233	18,364
Oct-18	628,317	1.0303	647,361	485,553	100	161,708	161,808
Nov-18	923,290	1.0336	954,321	765,985	142	188,194	188,336
Dec-18	1,057,440	1.0382	1,097,877	1,067,650	207	30,020	30,227
Jan-19	1,259,492	1.0431	1,313,764	1,200,221	254	113,289	113,543
Feb-19	1,109,150	1.0375	1,150,732	1,229,927	257	(79,452)	(79,195)
Mar-19	1,008,861	1.0347	1,043,849	1,147,817	251	(104,219)	(103,968)
Apr-19	681,738	1.0309	702,824	843,446	173	(140,795)	(140,622)
May-19	545,305	1.0288	560,999	632,151	100	(71,252)	(71,152)
Jun-19	388,772	1.0290	400,027	430,401	58	(30,432)	(30,374)
Jul-19	365,810	1.0287	376,320	391,025	83	(14,788)	(14,705)
Aug-19	374,614	1.0280	385,103	380,773	140	4,190	4,330
Sep-19	394,298	1.0283	405,449	375,182	100	30,168	30,268
Oct-19	534,087	1.0295	549,837	485,413	89	64,335	64,424
Nov-19	930,426	1.0352	963,214	698,186	84	264,945	265,029
Dec-19	1,075,165	1.0460	1,124,591	1,016,439	240	107,912	108,152
Jan-20	1,077,141	1.0437	1,124,212	1,130,011	294	(6,093)	(5,799)
Feb-20	1,041,031	1.0434	1,086,254	1,133,789	289	(47,824)	(47,535)
Mar-20	839,434	1.0376	871,030	1,005,451	257	(134,678)	(134,421)
Apr-20	651,269	1.0343	673,594	707,067	180	(33,653)	(33,473)
May-20	441,527	1.0303	454,923	565,494	141	(110,712)	(110,571)
Jun-20	344,089	1.0300	354,401	396,103	60	(41,762)	(41,702)
Jul-20	332,377	1.0285	341,836	347,265	64	(5,493)	(5,429)
Aug-20	341,582	1.0299	351,806	330,714	89	21,003	21,092
Sep-20	387,752	1.0284	398,768	386,921	118	11,729	11,847
Oct-20	569,808	1.0286	586,110	452,419	61	133,631	133,691
Nov-20	740,493	1.0331	765,011	649,932	98	114,981	115,079
Dec-20	1,058,690	1.0409	1,101,990	928,725	171	173,094	173,265
Jan-21	1,172,543	1.0407	1,220,219	1,116,107	263	103,849	104,112
Feb-21	1,086,893	1.0402	1,130,630	1,198,238	328	(67,936)	(67,608)
Mar-21	942,363	1.0334	973,866	1,164,215	327	(190,676)	(190,349)
Apr-21	652,284	1.0292	671,331	720,559	162	(49,390)	(49,228)
Total	33,216,660	1.0347	34,367,794	33,938,194	7,395	422,205	429,600
48-Month Average					0.02%	1.23%	1.25%

Northern Utilities, Inc.
New Hampshire Division
Estimation of Northern - New Hampshire City-Gate Sendout Requirement

Month	Capacity Assigned Sales	Company Gas Allowance (Percent)	Company Gas Allowance (LAUF and Company Use) (Dth)	Estimated Division Sales Service Sendout (Dth)	Sales to Sendout Ratio (%)
Nov-21	208,842	1.25%	2,643	211,485	1.27%
Dec-21	238,091	1.25%	3,013	241,104	1.27%
Jan-22	270,138	1.25%	3,419	273,557	1.27%
Feb-22	248,232	1.25%	3,142	251,374	1.27%
Mar-22	247,658	1.25%	3,135	250,793	1.27%
Apr-22	200,328	1.25%	2,536	202,864	1.27%
May-22	112,506	1.25%	1,424	113,930	1.27%
Jun-22	99,537	1.25%	1,260	100,797	1.27%
Jul-22	104,890	1.25%	1,327	106,217	1.27%
Aug-22	106,652	1.25%	1,350	108,002	1.27%
Sep-22	108,238	1.25%	1,370	109,608	1.27%
Oct-22	129,904	1.25%	1,644	131,548	1.27%
Nov-22	208,842	1.25%	2,643	211,485	1.27%
Dec-22	238,091	1.25%	3,013	241,104	1.27%
Jan-23	270,138	1.25%	3,419	273,557	1.27%
Feb-23	248,232	1.25%	3,142	251,374	1.27%
Mar-23	247,658	1.25%	3,135	250,793	1.27%
Apr-23	200,328	1.25%	2,536	202,864	1.27%
Winter	1,413,288	1.25%	17,889	1,431,177	
Summer	661,726	1.25%	8,376	670,102	
Annual	2,075,014	1.25%	26,265	2,101,279	

Northern Utilities, Inc.
New Hampshire Division
Estimation of Northern - New Hampshire City-Gate Sendout Requirement

Month	Capacity Exempt Sales	Company Gas Allowance (Percent)	Company Gas Allowance (LAUF and Company Use) (Dth)	Estimated Division Sales Service Sendout (Dth)	Sales to Sendout Ratio (%)
Nov-21	224,300	1.25%	2,840	227,140	1.27%
Dec-21	228,447	1.25%	2,892	231,339	1.27%
Jan-22	253,554	1.25%	3,209	256,763	1.27%
Feb-22	239,798	1.25%	3,035	242,833	1.27%
Mar-22	252,414	1.25%	3,195	255,609	1.27%
Apr-22	229,522	1.25%	2,905	232,427	1.27%
May-22	222,729	1.25%	2,820	225,549	1.27%
Jun-22	196,644	1.25%	2,489	199,133	1.27%
Jul-22	198,137	1.25%	2,508	200,645	1.27%
Aug-22	203,514	1.25%	2,576	206,090	1.27%
Sep-22	199,906	1.25%	2,531	202,437	1.27%
Oct-22	221,091	1.25%	2,799	223,890	1.27%
Nov-22	224,300	1.25%	2,840	227,140	1.27%
Dec-22	228,447	1.25%	2,892	231,339	1.27%
Jan-23	253,554	1.25%	3,209	256,763	1.27%
Feb-23	239,798	1.25%	3,035	242,833	1.27%
Mar-23	252,414	1.25%	3,195	255,609	1.27%
Apr-23	229,522	1.25%	2,905	232,427	1.27%
Winter	1,428,035	1.25%	18,076	1,446,111	
Summer	1,242,022	1.25%	15,722	1,257,744	
Annual	2,670,058	1.25%	33,797	2,703,855	

NUI-NH Sales				
Month	Month	Load (City-Gate)	Month	Month
11	Nov-11	282,744	11	Nov-21
12	Dec-11	466,617	12	Dec-21
1	Jan-12	579,152	1	Jan-22
2	Feb-12	464,129	2	Feb-22
3	Mar-12	327,510	3	Mar-22
4	Apr-12	199,577	4	Apr-22
5	May-12	122,705	Average Winter	
6	Jun-12	87,251		
7	Jul-12	76,151		
8	Aug-12	79,554	5	May-22
9	Sep-12	87,751	6	Jun-22
10	Oct-12	153,529	7	Jul-22
11	Nov-12	368,558	8	Aug-22
12	Dec-12	492,890	9	Sep-22
1	Jan-13	632,189	10	Oct-22
2	Feb-13	548,518	Average Summer	
3	Mar-13	453,115		
4	Apr-13	260,451		
5	May-13	140,927		
6	Jun-13	88,336		
7	Jul-13	83,329		
8	Aug-13	86,231		
9	Sep-13	93,744		
10	Oct-13	186,287		
11	Nov-13	412,027		
12	Dec-13	640,293		
1	Jan-14	749,017		
2	Feb-14	644,157		
3	Mar-14	618,721		
4	Apr-14	291,386		
5	May-14	144,584		
6	Jun-14	94,140		
7	Jul-14	83,225		
8	Aug-14	86,174		
9	Sep-14	97,123		
10	Oct-14	175,035		
11	Nov-14	432,955		
12	Dec-14	596,159		
1	Jan-15	856,232		
2	Feb-15	847,469		
3	Mar-15	632,015		
4	Apr-15	306,468		
5	May-15	132,145		
6	Jun-15	111,382		
7	Jul-15	89,951		
8	Aug-15	89,243		
9	Sep-15	98,303		
10	Oct-15	224,884		

11	Nov-15	335,348
12	Dec-15	423,231
1	Jan-16	665,766
2	Feb-16	565,588
3	Mar-16	429,630
4	Apr-16	311,753
5	May-16	171,804
6	Jun-16	107,610
7	Jul-16	92,778
8	Aug-16	86,515
9	Sep-16	72,058
10	Oct-16	200,008
11	Nov-16	354,710
12	Dec-16	711,624
1	Jan-17	637,983
2	Feb-17	546,906
3	Mar-17	641,536
4	Apr-17	277,881
5	May-17	186,688
6	Jun-17	122,959
7	Jul-17	86,551
8	Aug-17	90,193
9	Sep-17	92,442
10	Oct-17	140,637
11	Nov-17	423,619
12	Dec-17	755,875
1	Jan-18	825,597
2	Feb-18	555,036
3	Mar-18	583,661
4	Apr-18	365,468
5	May-18	131,319
6	Jun-18	101,105
7	Jul-18	87,034
8	Aug-18	90,729
9	Sep-18	104,362
10	Oct-18	291,752
11	Nov-18	596,665
12	Dec-18	660,675
1	Jan-19	837,190
2	Feb-19	687,621
3	Mar-19	597,677
4	Apr-19	371,764
5	May-19	203,693
6	Jun-19	113,131
7	Jul-19	97,262
8	Aug-19	98,070
9	Sep-19	123,622
10	Oct-19	214,590
11	Nov-19	520,583
12	Dec-19	672,645
1	Jan-20	673,752
2	Feb-20	630,061

3	Mar-20	466,604
4	Apr-20	343,023
5	May-20	203,693
6	Jun-20	113,131
7	Jul-20	97,262
8	Aug-20	98,070
9	Sep-20	123,622
10	Oct-20	214,590
11	Nov-20	520,583
12	Dec-20	672,645
1	Jan-21	673,752
2	Feb-21	630,061
3	Mar-21	466,604
4	Apr-21	343,023

Avg. NUI-NH Sales Load (City-Gate)	Percentage of Season	Number of Years Data
424,779	13.3%	10
609,265	19.1%	10
713,063	22.4%	10
611,955	19.2%	10
521,707	16.4%	10
307,079	9.6%	10
3,187,849	100.0%	
159,729	21.6%	9
104,338	14.1%	9
88,171	11.9%	9
89,420	12.1%	9
99,225	13.4%	9
200,146	27.0%	9
741,029	100.0%	
3,928,878		

Month	Month	NUI-NH Delivery Service Load (City-Gate)	Month	Month
11	Nov-11	304,864	11	Nov-21
12	Dec-11	382,629	12	Dec-21
1	Jan-12	428,583	1	Jan-22
2	Feb-12	386,921	2	Feb-22
3	Mar-12	351,876	3	Mar-22
4	Apr-12	287,299	4	Apr-22
5	May-12	249,693	Average Winter	
6	Jun-12	237,804		
7	Jul-12	219,744		
8	Aug-12	227,686	5	May-22
9	Sep-12	230,940	6	Jun-22
10	Oct-12	274,205	7	Jul-22
11	Nov-12	367,704	8	Aug-22
12	Dec-12	406,197	9	Sep-22
1	Jan-13	475,171	10	Oct-22
2	Feb-13	428,039	Average Summer	
3	Mar-13	417,444		
4	Apr-13	328,722		
5	May-13	271,233		
6	Jun-13	250,795		
7	Jul-13	234,455		
8	Aug-13	243,290		
9	Sep-13	255,962		
10	Oct-13	314,516		
11	Nov-13	388,277		
12	Dec-13	456,713		
1	Jan-14	505,594		
2	Feb-14	445,783		
3	Mar-14	452,763		
4	Apr-14	342,601		
5	May-14	283,959		
6	Jun-14	282,113		
7	Jul-14	245,967		
8	Aug-14	248,464		
9	Sep-14	258,711		
10	Oct-14	293,824		
11	Nov-14	364,340		
12	Dec-14	395,686		
1	Jan-15	468,174		
2	Feb-15	464,447		
3	Mar-15	468,658		
4	Apr-15	358,760		
5	May-15	264,913		
6	Jun-15	274,320		
7	Jul-15	268,145		
8	Aug-15	268,656		
9	Sep-15	273,815		

10	Oct-15	344,271
11	Nov-15	361,043
12	Dec-15	402,814
1	Jan-16	508,299
2	Feb-16	473,555
3	Mar-16	436,906
4	Apr-16	384,829
5	May-16	311,994
6	Jun-16	259,662
7	Jul-16	246,956
8	Aug-16	272,384
9	Sep-16	300,781
10	Oct-16	347,384
11	Nov-16	386,318
12	Dec-16	378,441
1	Jan-17	448,904
2	Feb-17	406,143
3	Mar-17	470,722
4	Apr-17	343,481
5	May-17	328,938
6	Jun-17	252,261
7	Jul-17	260,638
8	Aug-17	281,087
9	Sep-17	276,431
10	Oct-17	308,361
11	Nov-17	391,520
12	Dec-17	497,487
1	Jan-18	490,184
2	Feb-18	404,884
3	Mar-18	435,273
4	Apr-18	417,339
5	May-18	316,244
6	Jun-18	276,898
7	Jul-18	267,608
8	Aug-18	283,148
9	Sep-18	282,213
10	Oct-18	353,460
11	Nov-18	358,572
12	Dec-18	439,025
1	Jan-19	505,152
2	Feb-19	452,059
3	Mar-19	446,985
4	Apr-19	334,862
5	May-19	353,429
6	Jun-19	284,750
7	Jul-19	277,337
8	Aug-19	285,626
9	Sep-19	278,196
10	Oct-19	335,777
11	Nov-19	426,847
12	Dec-19	444,384
1	Jan-20	456,042

2	Feb-20	452,204
3	Mar-20	400,562
4	Apr-20	329,463
5	May-20	253,484
6	Jun-20	238,159
7	Jul-20	244,988
8	Aug-20	256,139
9	Sep-20	271,030
10	Oct-20	369,373
11	Nov-20	240,021
12	Dec-20	421,577
1	Jan-21	543,303
2	Feb-21	496,874
3	Mar-21	499,913
4	Apr-21	326,665

Avg. NUI-NH Delivery Service Load (City-Gate)	Percentage of Season	Number of Years Data	NU-NH Gas Flows
358,951	14.4%	10	587,608
422,495	17.0%	10	849,246
482,941	19.4%	10	1,007,735
441,091	17.7%	10	851,050
438,110	17.6%	10	679,386
345,402	13.9%	10	486,876
2,488,989	100.0%		372,398
			325,055
			295,895
292,654	17.6%	9	307,240
261,862	15.7%	9	318,691
251,760	15.1%	9	427,734
262,942	15.8%	9	736,262
269,787	16.2%	9	899,087
326,797	19.6%	9	1,107,360
1,665,802	100.0%		976,557
4,154,791			870,559
			589,173
			412,160
			339,131
			317,784
			329,521
			349,706
			500,803
			800,304
			1,097,006
			1,254,611
			1,089,940
			1,071,484
			633,987
			428,543
			376,253
			329,192
			334,638
			355,834
			468,859
			797,295
			991,845
			1,324,406
			1,311,916
			1,100,673
			665,228
			397,058
			385,702
			358,096
			357,899
			372,118

569,155
696,391
826,045
1,174,065
1,039,143
866,536
696,582
483,798
367,272
339,734
358,899
372,839
547,392
741,028
1,090,065
1,086,887
953,049
1,112,258
621,362
515,626
375,220
347,189
371,280
368,873
448,998
815,139
1,253,362
1,315,781
959,920
1,018,934
782,807
447,563
378,003
354,642
373,877
386,575
645,212
955,237
1,099,700
1,342,342
1,139,680
1,044,662
706,626
557,122
397,881
374,599
383,696
401,818
550,367
947,430
1,117,029
1,129,794

1,082,265
867,166
672,486
457,177
351,290
342,250
354,209
394,652
583,963
760,604
1,094,222
1,217,055
1,126,935
966,517
669,688

Projected Sendout	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
Sales Service	477,284	680,551	798,005	686,036	586,761	350,029
CA Delivery Service	211,485	241,104	273,557	251,374	250,793	202,864
CE Delivery Service	227,140	231,339	256,763	242,833	255,609	232,427
Total	915,909	1,152,994	1,328,325	1,180,243	1,093,163	785,320
	6,581,924					

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22
193,176	127,316	108,780	110,423	122,341	239,943	491,586
113,930	100,797	106,217	108,002	109,608	131,548	211,485
225,549	199,133	200,645	206,090	202,437	223,890	227,140
532,655	427,246	415,642	424,515	434,386	595,381	930,211

Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	Winter	Summer	Annual
700,425	819,757	704,726	602,731	359,525	3,578,666	901,979	4,480,645
241,104	273,557	251,374	250,793	202,864	1,431,177	670,102	2,101,279
231,339	256,763	242,833	255,609	232,427	1,446,111	1,257,744	2,703,855
1,172,868	1,350,077	1,198,933	1,109,133	794,816	6,455,954	2,829,825	9,285,779

Des Day
50,124
15,416
10,973
76,513

Weather Normalized Usage			Total	Total		
Month	Date	EDD	40	41		
	May-20	312	5,471	28,682		
	Jun-20	86	2,690	14,925		
	Jul-20	8	1,990	11,449		
	Aug-20	14	2,011	11,844		
	Sep-20	118	3,052	18,947		
	Oct-20	445	7,908	46,898		
	Nov-20	767	15,196	80,357		
	Dec-20	1,126	23,594	117,141		
	Jan-21	1,310	27,614	136,409		
	Feb-21	1,130	23,019	117,798		
	Mar-21	1,001	19,927	102,197		
	Apr-21	610	11,128	59,738		
Winter (Nov-Apr)		5,944	120,478	613,640		
Summer (May-Oct)		983	23,122	132,744		
Total		6,927	143,600	746,384		
BASE - DAYS GREATER THAN OR EQUAL TO						
		42.50	30	(47)	276	
SPACE - DAYS GREATER THAN OR EQUAL TO		42.50		21	97	
R SQUARED		42.50		0.92	0.95	
DESIGN DAY - BASED ON TOP 30 EDD DAYS		80.25	INITIAL	1,676	8,058	
PERCENTAGE OF TOTAL/CE/CA				6.89%	33.12%	
DESIGN DAY - BASED ON 5 YEARS TOP 15 EDD V			80.25	FINAL	1,694	8,148
ANNUAL Sendout - WN					143,600	746,384
LOAD FACTOR					23.2%	25.1%
Design Year Usage						
	May-20	313		5,485		28,746
	Jun-20	80		2,618		14,594
	Jul-20	9		23,019		117,798
	Aug-20	14		19,927		102,197
	Sep-20	132		3,225		19,885
	Oct-20	453		8,044		47,603
	Nov-20	878		17,264		90,590
	Dec-20	1,277		26,724		132,023
	Jan-21	1,504		31,531		155,312
	Feb-21	1,292		26,235		133,935
	Mar-21	1,136		22,646		115,465
	Apr-21	614		11,192		60,064
Winter (Nov-Apr)		6,701		135,592		687,389
Summer (May-Oct)		1,001		62,318		330,823
Total		7,702		197,910		1,018,212

Total	Total	Total	Total	Total	Total	Total
42	50	51	52	SC	LLF	HLF
16,028	1,541	12,827	133,871	79,424	50,181	148,239
11,861	1,580	12,778	126,353	89,767	29,475	140,711
9,087	1,791	13,751	123,707	93,245	22,525	139,249
9,961	1,968	14,611	129,634	91,361	23,816	146,213
14,274	2,041	15,393	136,323	92,832	36,272	153,757
26,292	2,327	18,749	139,802	104,678	81,098	160,878
37,710	2,532	21,101	143,238	98,038	133,263	166,871
48,845	2,946	24,943	151,940	94,857	189,579	179,829
54,906	3,142	27,540	159,158	104,600	218,929	189,839
49,954	2,807	25,441	142,867	97,149	190,772	171,116
44,836	2,732	25,081	153,820	109,240	166,960	181,633
31,239	2,306	19,843	144,340	100,866	102,105	166,489
267,490	16,465	143,948	895,364	604,750	1,001,607	1,055,777
87,501	11,248	88,111	789,690	551,307	243,367	889,048
354,991	27,713	232,059	1,685,054	1,156,057	1,244,974	1,944,826
763	62	601	4,005	2,480	992	4,668
25	1	7	31	18	144	39
0.47	0.57	0.59	0.07	0.02	0.90	0.10
2,797	133	1,196	6,504	3,962	12,531	7,834
11.50%	0.55%	4.92%	26.74%	16.29%	51.51%	32.20%
2,828	135	1,209	6,577	4,006	12,671	7,921
354,991	27,713	232,059	1,685,054	1,156,057	1,244,974	1,944,826
34.4%	56.3%	52.6%	70.2%	79.1%	26.9%	67.3%
16,045	1,542	12,834	133,903	79,420	50,275	148,279
11,711	1,578	12,760	126,167	90,124	28,922	140,505
49,954	2,807	25,441	142,867	97,149	190,772	171,116
44,836	2,732	25,081	153,820	109,240	166,960	181,633
14,534	2,049	15,499	136,310	92,987	37,645	153,857
26,543	2,332	18,819	139,817	104,629	82,190	160,968
41,133	2,596	22,083	146,903	98,109	148,987	171,582
53,379	3,026	26,349	159,872	98,378	212,127	189,247
61,200	3,285	29,365	167,944	104,408	248,043	200,594
56,239	2,908	26,831	148,593	96,786	216,408	178,333
48,638	2,831	26,484	158,460	109,577	186,748	187,776
31,347	2,308	19,876	144,449	100,929	102,604	166,633
291,936	16,953	150,990	926,222	608,187	1,114,917	1,094,165
163,624	13,041	110,433	832,883	573,549	556,765	956,357
455,559	29,994	261,423	1,759,105	1,181,737	1,671,682	2,050,522

Total	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service
Total	40	41	42	50	51	52
277,844	77	1,516	12,056	99	851	123,829
259,953	36	993	9,486	88	820	116,672
255,019	24	839	6,943	84	920	111,420
261,391	24	915	7,515	90	902	116,487
282,861	39	1,306	10,264	103	831	122,764
346,653	96	2,580	16,997	118	1,069	123,756
398,173	177	4,000	23,143	109	1,157	125,049
464,265	281	5,420	28,855	103	1,284	132,180
513,368	335	6,368	32,029	111	1,413	139,401
459,036	289	5,552	30,126	111	1,307	123,226
457,834	260	4,892	27,668	126	1,337	133,401
369,459	138	2,865	19,842	121	1,215	125,925
2,662,135	1,480	29,096	161,663	680	7,713	779,182
1,683,722	296	8,149	63,261	582	5,392	714,928
4,345,856	1,776	37,245	224,924	1,262	13,104	1,494,109
8,140	0	31	596	5	30	3,306
202	0	4	12	(0)	0	31
0.46	0.88	0.85	0.27	0.03	0.43	0.09
24,327	20	358	1,565	3	62	5,810
100.00%	0.20%	3.49%	15.26%	0.03%	0.60%	56.66%
24,598	21	362	1,583	3	63	5,875
4,345,856	1,776	37,245	224,924	1,262	13,104	1,494,109
48.4%	23.7%	28.2%	38.9%	106.3%	57.3%	69.7%
277,975	77	1,518	12,068	99	851	123,856
259,551	35	980	9,369	88	818	116,519
459,036	289	5,552	30,126	111	1,307	123,226
457,834	260	4,892	27,668	126	1,337	133,401
284,489	42	1,335	10,404	104	835	122,747
347,787	97	2,608	17,132	118	1,073	123,751
418,678	201	4,404	24,959	111	1,205	128,232
499,752	317	6,014	31,379	106	1,344	139,692
553,045	382	7,182	35,601	113	1,502	147,589
491,528	328	6,235	34,132	113	1,380	128,634
484,100	296	5,438	29,625	129	1,401	137,556
370,166	138	2,879	19,898	121	1,217	126,026
2,817,269	1,663	32,152	175,595	694	8,050	807,729
2,086,671	800	16,884	106,767	645	6,222	743,499
4,903,941	2,463	49,037	282,361	1,340	14,271	1,551,229

CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CA - Delivery Service	CA - Delivery Service	CA - Delivery Service
SC	LLF	HLF	Total	40	41	42
39,161	13,650	124,779	177,589	5,394	27,166	3,971
47,362	10,514	117,579	175,456	2,654	13,932	2,375
50,042	7,806	112,423	170,271	1,965	10,610	2,144
49,646	8,453	117,479	175,578	1,987	10,929	2,446
49,487	11,609	123,699	184,795	3,013	17,641	4,009
55,109	19,673	124,943	199,725	7,812	44,318	9,294
51,207	27,320	126,314	204,841	15,019	76,357	14,566
58,010	34,556	133,567	226,132	23,312	111,721	19,990
56,686	38,731	140,924	236,341	27,279	130,041	22,878
51,674	35,967	124,644	212,285	22,730	112,246	19,828
62,311	32,819	134,864	229,994	19,667	97,305	17,168
59,295	22,845	127,262	209,402	10,990	56,872	11,397
339,181	192,239	787,574	1,318,995	118,998	584,543	105,827
290,807	71,706	720,902	1,083,415	22,826	124,595	24,240
629,989	263,944	1,508,476	2,402,409	141,824	709,139	130,067
1,022	627	3,341	4,990	(47)	245	167
18	16	32	66	21	93	13
0.02	0.38	0.10	0.11	0.91	0.95	0.57
2,436	1,944	5,876	10,255	1,655	7,700	1,232
23.75%	18.95%	57.29%	100.00%	11.76%	54.72%	8.75%
2,463	1,966	5,941	10,370	1,674	7,786	1,246
629,989	263,944	1,508,476	2,402,409	141,824	709,139	130,067
70.1%	36.8%	69.6%	63.5%	23.2%	25.0%	28.6%
39,150	13,663	124,806	177,619	5,407	27,227	3,978
47,698	10,384	117,425	175,507	2,583	13,614	2,342
51,674	35,967	124,644	212,285	22,730	112,246	19,828
62,311	32,819	134,864	229,994	19,667	97,305	17,168
49,576	11,780	123,686	185,042	3,184	18,551	4,130
55,061	19,837	124,942	199,840	7,947	44,995	9,411
50,974	29,564	129,548	210,086	17,063	86,186	16,173
62,937	37,710	141,143	241,790	26,407	126,010	22,000
55,934	43,166	149,204	248,305	31,149	148,130	25,599
49,843	40,695	130,127	220,664	25,907	127,700	22,107
62,395	35,359	139,087	236,841	22,350	110,026	19,013
59,379	22,916	127,364	209,659	11,054	57,185	11,449
341,462	209,409	816,473	1,367,345	133,929	655,237	116,341
305,470	124,451	750,366	1,180,287	61,518	313,938	56,857
646,932	333,860	1,566,839	2,547,632	195,447	969,176	173,198

CA - Delivery Service 50	CA - Delivery Service 51	CA - Delivery Service 52	CA - Delivery Service SC	CA - Delivery Service LLF	CA - Delivery Service HLF	CA - Delivery Service Total
1,442	11,977	10,042	40,263	36,531	23,461	100,255
1,492	11,959	9,681	42,405	18,961	23,132	84,497
1,707	12,832	12,287	43,203	14,719	26,826	84,748
1,878	13,710	13,147	41,715	15,363	28,735	85,813
1,938	14,561	13,559	43,345	24,663	30,059	98,066
2,208	17,680	16,046	49,569	61,425	35,935	146,928
2,423	19,944	18,189	46,832	105,943	40,557	193,332
2,843	23,659	19,760	36,848	155,023	46,262	238,133
3,031	26,127	19,757	47,914	180,198	48,915	277,027
2,697	24,135	19,641	45,475	154,804	46,472	246,751
2,607	23,743	20,420	46,930	134,141	46,769	227,840
2,184	18,628	18,415	41,570	79,260	39,227	160,057
15,785	136,236	116,182	265,568	809,369	268,203	1,343,140
10,665	82,719	74,762	260,499	171,661	168,147	600,307
26,451	218,955	190,945	526,068	981,030	436,350	1,943,447
57	572	698	1,458	365	1,327	3,150
1	7	(0)	1	127	8	136
0.56	0.59	0.00	0.00	0.93	0.07	0.64
130	1,134	694	1,526	10,587	1,958	14,072
0.93%	8.06%	4.93%	10.85%	75.24%	13.92%	100.00%
132	1,147	702	1,543	10,705	1,980	14,229
26,451	218,955	190,945	526,068	981,030	436,350	1,943,447
55.0%	52.3%	74.5%	93.4%	25.1%	60.4%	37.4%
1,443	11,983	10,047	40,270	36,612	23,473	100,355
1,491	11,941	9,647	42,426	18,539	23,079	84,044
2,697	24,135	19,641	45,475	154,804	46,472	246,751
2,607	23,743	20,420	46,930	134,141	46,769	227,840
1,945	14,663	13,563	43,411	25,865	30,171	99,447
2,214	17,746	16,066	49,568	62,353	36,026	147,947
2,485	20,878	18,671	47,135	119,423	42,034	208,591
2,919	25,005	20,180	35,441	174,417	48,105	257,963
3,171	27,863	20,355	48,474	204,877	51,389	304,740
2,795	25,451	19,959	46,944	175,714	48,206	270,863
2,702	25,083	20,904	47,181	151,389	48,689	247,259
2,187	18,659	18,423	41,551	79,688	39,269	160,508
16,259	142,940	118,492	266,725	905,507	277,692	1,449,924
12,395	104,212	89,384	268,079	432,314	205,991	906,384
28,655	247,152	207,876	534,804	1,337,821	483,683	2,356,308

			Total	Total
Month	Date	EDD	40	41
May-20	5/1/2020	13	217	1,148
May-20	5/2/2020	6	113	655
May-20	5/3/2020	1	60	390
May-20	5/4/2020	13	231	1,204
May-20	5/5/2020	21	336	1,706
May-20	5/6/2020	19	286	1,441
May-20	5/7/2020	14	227	1,154
May-20	5/8/2020	20	329	1,611
May-20	5/9/2020	31	459	2,252
May-20	5/10/2020	17	271	1,354
May-20	5/11/2020	18	284	1,447
May-20	5/12/2020	21	327	1,652
May-20	5/13/2020	17	254	1,302
May-20	5/14/2020	5	85	513
May-20	5/15/2020	7	139	754
May-20	5/16/2020	10	181	950
May-20	5/17/2020	5	98	560
May-20	5/18/2020	13	219	1,141
May-20	5/19/2020	15	229	1,201
May-20	5/20/2020	13	189	1,009
May-20	5/21/2020	-	51	344
May-20	5/22/2020	-	45	299
May-20	5/23/2020	16	254	1,241
May-20	5/24/2020	16	254	1,241
May-20	5/25/2020	12	184	924
May-20	5/26/2020	2	64	398
May-20	5/27/2020	-	45	298
May-20	5/28/2020	-	45	298
May-20	5/29/2020	-	45	288
May-20	5/30/2020	-	54	332
May-20	5/31/2020	14	215	1,079
Jun-20	6/1/2020	11	186	950
Jun-20	6/2/2020	7	116	652
Jun-20	6/3/2020	1	54	363
Jun-20	6/4/2020	-	45	299
Jun-20	6/5/2020	-	45	296
Jun-20	6/6/2020	-	54	334
Jun-20	6/7/2020	6	116	640
Jun-20	6/8/2020	-	68	402
Jun-20	6/9/2020	-	48	318
Jun-20	6/10/2020	3	85	500
Jun-20	6/11/2020	-	49	318
Jun-20	6/12/2020	-	61	355
Jun-20	6/13/2020	4	115	590

Jun-20	6/14/2020	7	164	788
Jun-20	6/15/2020	5	118	599
Jun-20	6/16/2020	1	103	588
Jun-20	6/17/2020	-	64	386
Jun-20	6/18/2020	-	52	322
Jun-20	6/19/2020	-	52	314
Jun-20	6/20/2020	-	52	310
Jun-20	6/21/2020	-	52	317
Jun-20	6/22/2020	-	53	338
Jun-20	6/23/2020	-	54	329
Jun-20	6/24/2020	-	55	336
Jun-20	6/25/2020	-	55	334
Jun-20	6/26/2020	-	55	327
Jun-20	6/27/2020	-	55	327
Jun-20	6/28/2020	-	55	320
Jun-20	6/29/2020	1	75	420
Jun-20	6/30/2020	-	55	347
Jul-20	7/1/2020	-	55	341
Jul-20	7/2/2020	-	55	325
Jul-20	7/3/2020	1	75	401
Jul-20	7/4/2020	-	55	319
Jul-20	7/5/2020	-	55	324
Jul-20	7/6/2020	0	75	411
Jul-20	7/7/2020	-	54	335
Jul-20	7/8/2020	-	54	338
Jul-20	7/9/2020	-	54	332
Jul-20	7/10/2020	-	54	330
Jul-20	7/11/2020	-	54	328
Jul-20	7/12/2020	-	54	323
Jul-20	7/13/2020	-	54	346
Jul-20	7/14/2020	-	54	353
Jul-20	7/15/2020	1	81	432
Jul-20	7/16/2020	2	274	1,215
Jul-20	7/17/2020	-	55	337
Jul-20	7/18/2020	-	55	323
Jul-20	7/19/2020	-	55	326
Jul-20	7/20/2020	-	56	334
Jul-20	7/21/2020	-	57	335
Jul-20	7/22/2020	-	57	333
Jul-20	7/23/2020	-	56	338
Jul-20	7/24/2020	-	55	326
Jul-20	7/25/2020	-	55	322
Jul-20	7/26/2020	-	55	324
Jul-20	7/27/2020	-	56	340
Jul-20	7/28/2020	-	55	339
Jul-20	7/29/2020	-	55	338
Jul-20	7/30/2020	-	55	346

Jul-20	7/31/2020	-	55	333
Aug-20	8/1/2020	-	55	320
Aug-20	8/2/2020	-	55	329
Aug-20	8/3/2020	-	55	340
Aug-20	8/4/2020	-	55	346
Aug-20	8/5/2020	-	55	343
Aug-20	8/6/2020	-	57	346
Aug-20	8/7/2020	-	58	343
Aug-20	8/8/2020	-	58	336
Aug-20	8/9/2020	-	58	333
Aug-20	8/10/2020	-	58	352
Aug-20	8/11/2020	-	58	354
Aug-20	8/12/2020	-	58	353
Aug-20	8/13/2020	-	58	355
Aug-20	8/14/2020	-	57	338
Aug-20	8/15/2020	-	57	335
Aug-20	8/16/2020	-	57	335
Aug-20	8/17/2020	-	56	355
Aug-20	8/18/2020	-	56	353
Aug-20	8/19/2020	0	158	633
Aug-20	8/20/2020	-	76	429
Aug-20	8/21/2020	-	55	342
Aug-20	8/22/2020	-	55	335
Aug-20	8/23/2020	-	55	340
Aug-20	8/24/2020	-	54	349
Aug-20	8/25/2020	-	54	352
Aug-20	8/26/2020	1	79	471
Aug-20	8/27/2020	3	103	610
Aug-20	8/28/2020	-	53	349
Aug-20	8/29/2020	0	65	391
Aug-20	8/30/2020	2	103	612
Aug-20	8/31/2020	1	79	467
Sep-20	9/1/2020	-	53	354
Sep-20	9/2/2020	-	53	362
Sep-20	9/3/2020	-	53	357
Sep-20	9/4/2020	-	65	393
Sep-20	9/5/2020	-	65	391
Sep-20	9/6/2020	-	65	387
Sep-20	9/7/2020	-	53	345
Sep-20	9/8/2020	-	52	354
Sep-20	9/9/2020	-	50	339
Sep-20	9/10/2020	-	50	337
Sep-20	9/11/2020	8	143	785
Sep-20	9/12/2020	8	159	860
Sep-20	9/13/2020	-	49	325
Sep-20	9/14/2020	8	186	1,038
Sep-20	9/15/2020	11	196	1,133

Sep-20	9/16/2020	1	66	440
Sep-20	9/17/2020	0	66	435
Sep-20	9/18/2020	12	195	1,131
Sep-20	9/19/2020	16	249	1,420
Sep-20	9/20/2020	18	276	1,580
Sep-20	9/21/2020	17	264	1,569
Sep-20	9/22/2020	6	113	763
Sep-20	9/23/2020	-	56	421
Sep-20	9/24/2020	-	56	417
Sep-20	9/25/2020	5	100	680
Sep-20	9/26/2020	2	65	469
Sep-20	9/27/2020	-	47	366
Sep-20	9/28/2020	-	47	378
Sep-20	9/29/2020	-	47	366
Sep-20	9/30/2020	3	76	550
Oct-20	10/1/2020	4	100	691
Oct-20	10/2/2020	14	224	1,371
Oct-20	10/3/2020	13	196	1,214
Oct-20	10/4/2020	12	196	1,217
Oct-20	10/5/2020	12	196	1,236
Oct-20	10/6/2020	7	129	879
Oct-20	10/7/2020	6	129	873
Oct-20	10/8/2020	19	307	1,853
Oct-20	10/9/2020	12	204	1,287
Oct-20	10/10/2020	-	55	425
Oct-20	10/11/2020	18	278	1,700
Oct-20	10/12/2020	15	249	1,531
Oct-20	10/13/2020	14	236	1,470
Oct-20	10/14/2020	11	192	1,248
Oct-20	10/15/2020	3	76	561
Oct-20	10/16/2020	13	225	1,347
Oct-20	10/17/2020	24	380	2,204
Oct-20	10/18/2020	18	302	1,816
Oct-20	10/19/2020	12	231	1,383
Oct-20	10/20/2020	7	135	871
Oct-20	10/21/2020	10	188	1,130
Oct-20	10/22/2020	8	156	950
Oct-20	10/23/2020	9	157	949
Oct-20	10/24/2020	15	279	1,563
Oct-20	10/25/2020	24	434	2,360
Oct-20	10/26/2020	20	366	2,085
Oct-20	10/27/2020	20	366	2,054
Oct-20	10/28/2020	23	418	2,345
Oct-20	10/29/2020	27	487	2,702
Oct-20	10/30/2020	37	678	3,665
Oct-20	10/31/2020	30	539	2,948
Nov-20	11/1/2020	22	400	2,237

Nov-20	11/2/2020	34	608	3,352
Nov-20	11/3/2020	33	603	3,295
Nov-20	11/4/2020	25	453	2,499
Nov-20	11/5/2020	5	110	772
Nov-20	11/6/2020	3	95	658
Nov-20	11/7/2020	5	145	908
Nov-20	11/8/2020	14	273	1,552
Nov-20	11/9/2020	16	292	1,650
Nov-20	11/10/2020	1	70	516
Nov-20	11/11/2020	-	51	385
Nov-20	11/12/2020	19	388	2,111
Nov-20	11/13/2020	27	537	2,847
Nov-20	11/14/2020	29	574	3,028
Nov-20	11/15/2020	20	370	2,056
Nov-20	11/16/2020	24	464	2,544
Nov-20	11/17/2020	32	631	3,288
Nov-20	11/18/2020	44	871	4,477
Nov-20	11/19/2020	27	531	2,807
Nov-20	11/20/2020	14	295	1,589
Nov-20	11/21/2020	24	494	2,494
Nov-20	11/22/2020	22	434	2,261
Nov-20	11/23/2020	28	595	3,065
Nov-20	11/24/2020	37	756	3,822
Nov-20	11/25/2020	30	595	3,033
Nov-20	11/26/2020	26	535	2,744
Nov-20	11/27/2020	20	415	2,158
Nov-20	11/28/2020	26	535	2,726
Nov-20	11/29/2020	27	575	2,959
Nov-20	11/30/2020	13	255	1,420
Dec-20	12/1/2020	21	455	2,332
Dec-20	12/2/2020	31	614	3,119
Dec-20	12/3/2020	25	515	2,644
Dec-20	12/4/2020	21	438	2,240
Dec-20	12/5/2020	37	782	3,790
Dec-20	12/6/2020	40	822	4,049
Dec-20	12/7/2020	40	807	4,050
Dec-20	12/8/2020	42	873	4,388
Dec-20	12/9/2020	34	710	3,599
Dec-20	12/10/2020	34	712	3,574
Dec-20	12/11/2020	29	634	3,145
Dec-20	12/12/2020	27	551	2,737
Dec-20	12/13/2020	27	592	2,964
Dec-20	12/14/2020	34	736	3,686
Dec-20	12/15/2020	48	1,025	5,040
Dec-20	12/16/2020	50	1,047	5,150
Dec-20	12/17/2020	49	1,008	4,948
Dec-20	12/18/2020	47	984	4,832

Dec-20	12/19/2020	42	860	4,213
Dec-20	12/20/2020	39	819	4,066
Dec-20	12/21/2020	35	741	3,714
Dec-20	12/22/2020	33	696	3,457
Dec-20	12/23/2020	36	737	3,653
Dec-20	12/24/2020	19	386	1,997
Dec-20	12/25/2020	22	490	2,445
Dec-20	12/26/2020	39	820	3,987
Dec-20	12/27/2020	35	717	3,568
Dec-20	12/28/2020	28	592	3,003
Dec-20	12/29/2020	45	964	4,695
Dec-20	12/30/2020	31	654	3,276
Dec-20	12/31/2020	33	695	3,462
Jan-21	1/1/2021	32	675	3,343
Jan-21	1/2/2021	36	757	3,733
Jan-21	1/3/2021	37	757	3,762
Jan-21	1/4/2021	36	757	3,802
Jan-21	1/5/2021	36	782	3,886
Jan-21	1/6/2021	35	743	3,697
Jan-21	1/7/2021	38	806	3,973
Jan-21	1/8/2021	40	849	4,133
Jan-21	1/9/2021	37	765	3,749
Jan-21	1/10/2021	38	807	3,998
Jan-21	1/11/2021	36	765	3,839
Jan-21	1/12/2021	32	682	3,410
Jan-21	1/13/2021	32	682	3,415
Jan-21	1/14/2021	31	664	3,306
Jan-21	1/15/2021	27	602	2,973
Jan-21	1/16/2021	28	602	2,960
Jan-21	1/17/2021	29	623	3,078
Jan-21	1/18/2021	36	792	3,888
Jan-21	1/19/2021	35	748	3,756
Jan-21	1/20/2021	41	896	4,423
Jan-21	1/21/2021	40	831	4,155
Jan-21	1/22/2021	35	747	3,685
Jan-21	1/23/2021	55	1,165	5,630
Jan-21	1/24/2021	50	1,039	5,093
Jan-21	1/25/2021	44	910	4,541
Jan-21	1/26/2021	37	785	3,944
Jan-21	1/27/2021	35	723	3,640
Jan-21	1/28/2021	51	1,097	5,395
Jan-21	1/29/2021	59	1,237	6,082
Jan-21	1/30/2021	58	1,196	5,878
Jan-21	1/31/2021	50	1,031	5,131
Feb-21	2/1/2021	43	886	4,466
Feb-21	2/2/2021	38	782	3,948
Feb-21	2/3/2021	34	718	3,668

Feb-21	2/4/2021	39	797	4,056
Feb-21	2/5/2021	36	727	3,729
Feb-21	2/6/2021	38	787	3,994
Feb-21	2/7/2021	44	909	4,613
Feb-21	2/8/2021	48	987	5,039
Feb-21	2/9/2021	48	986	5,040
Feb-21	2/10/2021	45	943	4,840
Feb-21	2/11/2021	53	1,079	5,493
Feb-21	2/12/2021	50	998	5,102
Feb-21	2/13/2021	42	859	4,377
Feb-21	2/14/2021	38	779	4,032
Feb-21	2/15/2021	37	721	3,764
Feb-21	2/16/2021	39	797	4,117
Feb-21	2/17/2021	46	915	4,690
Feb-21	2/18/2021	42	851	4,392
Feb-21	2/19/2021	42	847	4,348
Feb-21	2/20/2021	46	907	4,605
Feb-21	2/21/2021	43	847	4,359
Feb-21	2/22/2021	35	688	3,589
Feb-21	2/23/2021	30	617	3,175
Feb-21	2/24/2021	24	498	2,604
Feb-21	2/25/2021	37	755	3,832
Feb-21	2/26/2021	35	715	3,624
Feb-21	2/27/2021	31	617	3,162
Feb-21	2/28/2021	27	558	2,884
Mar-21	3/1/2021	42	932	4,694
Mar-21	3/2/2021	51	972	4,927
Mar-21	3/3/2021	32	656	3,384
Mar-21	3/4/2021	46	952	4,779
Mar-21	3/5/2021	49	991	4,982
Mar-21	3/6/2021	45	893	4,470
Mar-21	3/7/2021	41	814	4,127
Mar-21	3/8/2021	34	670	3,452
Mar-21	3/9/2021	28	569	2,936
Mar-21	3/10/2021	27	549	2,822
Mar-21	3/11/2021	8	183	1,058
Mar-21	3/12/2021	21	470	2,386
Mar-21	3/13/2021	33	643	3,208
Mar-21	3/14/2021	48	969	4,842
Mar-21	3/15/2021	53	1,019	5,228
Mar-21	3/16/2021	36	713	3,690
Mar-21	3/17/2021	26	538	2,783
Mar-21	3/18/2021	29	589	3,039
Mar-21	3/19/2021	36	673	3,439
Mar-21	3/20/2021	24	471	2,425
Mar-21	3/21/2021	23	453	2,370
Mar-21	3/22/2021	24	470	2,445

Mar-21	3/23/2021	19	372	1,974
Mar-21	3/24/2021	18	340	1,845
Mar-21	3/25/2021	15	270	1,485
Mar-21	3/26/2021	10	202	1,143
Mar-21	3/27/2021	22	405	2,120
Mar-21	3/28/2021	24	456	2,435
Mar-21	3/29/2021	27	490	2,611
Mar-21	3/30/2021	21	388	2,082
Mar-21	3/31/2021	9	202	1,147
Apr-21	4/1/2021	33	594	3,136
Apr-21	4/2/2021	36	628	3,277
Apr-21	4/3/2021	30	526	2,738
Apr-21	4/4/2021	17	305	1,660
Apr-21	4/5/2021	22	407	2,185
Apr-21	4/6/2021	17	319	1,727
Apr-21	4/7/2021	12	233	1,299
Apr-21	4/8/2021	17	331	1,769
Apr-21	4/9/2021	15	281	1,508
Apr-21	4/10/2021	8	199	1,085
Apr-21	4/11/2021	23	397	2,108
Apr-21	4/12/2021	22	397	2,164
Apr-21	4/13/2021	14	279	1,541
Apr-21	4/14/2021	19	345	1,872
Apr-21	4/15/2021	23	430	2,306
Apr-21	4/16/2021	33	561	2,976
Apr-21	4/17/2021	23	412	2,197
Apr-21	4/18/2021	20	363	1,965
Apr-21	4/19/2021	14	264	1,490
Apr-21	4/20/2021	8	181	1,056
Apr-21	4/21/2021	23	427	2,304
Apr-21	4/22/2021	31	532	2,845
Apr-21	4/23/2021	15	264	1,472
Apr-21	4/24/2021	5	115	703
Apr-21	4/25/2021	18	347	1,861
Apr-21	4/26/2021	23	414	2,156
Apr-21	4/27/2021	9	198	1,094
Apr-21	4/28/2021	15	281	1,503
Apr-21	4/29/2021	19	331	1,761
Apr-21	4/30/2021	17	314	1,670

Min	-	45	288
Mean	18	372	1,938
Max	59	1,237	6,082
Range	59	1,193	5,795

Base Factors

May-20	41	286
Jun-20	55	339
Jul-20		
Aug-20		
Sep-20	53	368
Oct-20	11	248
Nov-20	30	322
Dec-20	8	199
Jan-21	38	283
Feb-21	21	187
Mar-21	(8)	120
Apr-21	44	330

Space Factors

May-20	13	64
Jun-20	12	55
Jul-20		
Aug-20		
Sep-20	12	67
Oct-20	17	88
Nov-20	19	92
Dec-20	21	99
Jan-21	20	97
Feb-21	20	100
Mar-21	20	98
Apr-21	16	82

R-SQUARE

May-20	0.99	0.99
Jun-20	0.90	0.92
Jul-20		
Aug-20		
Sep-20	0.98	0.98
Oct-20	0.98	0.99
Nov-20	0.98	0.99
Dec-20	0.99	0.99
Jan-21	0.99	1.00
Feb-21	0.99	0.99
Mar-21	0.99	0.99
Apr-21	0.99	0.99

Actual Usage

May-20	336	5,790	30,186
Jun-20	46	2,211	12,719
Jul-20	5	1,990	11,449
Aug-20	9	2,011	11,844
Sep-20	115	3,015	18,744

Oct-20	457	8,107	47,926
Nov-20	647	12,952	69,254
Dec-20	1,072	22,475	111,824
Jan-21	1,206	25,518	126,295
Feb-21	1,107	22,570	115,542
Mar-21	921	18,315	94,328
Apr-21	582	10,673	57,428
Winter (Nov-Apr)	5,535	112,503	574,673
Summer (May-Oct)	967	23,124	132,868
Total	6,502	135,628	707,541

Weather Normalized Usage

May-20	312	5,471	28,682
Jun-20	86	2,690	14,925
Jul-20	8	1,990	11,449
Aug-20	14	2,011	11,844
Sep-20	118	3,052	18,947
Oct-20	445	7,908	46,898
Nov-20	767	15,196	80,357
Dec-20	1,126	23,594	117,141
Jan-21	1,310	27,614	136,409
Feb-21	1,130	23,019	117,798
Mar-21	1,001	19,927	102,197
Apr-21	610	11,128	59,738
Winter (Nov-Apr)	5,944	120,478	613,640
Summer (May-Oct)	983	23,122	132,744
Total	6,927	143,600	746,384

BASE - DAYS GREATER THAN OR EQUAL TO	42.50	30	(47)	276
SPACE - DAYS GREATER THAN OR EQUAL TO	42.50		21	97
R SQUARED	42.50		0.92	0.95
DESIGN DAY - BASED ON TOP 30 EDD DAYS	80.25	INITIAL	1,676	8,058
PERCENTAGE OF TOTAL/CE/CA			6.89%	33.12%

DESIGN DAY - BASED ON 5 YEARS TOP 15 EDD V	80.25	FINAL	1,694	8,148
ANNUAL Sendout - WN			143,600	746,384
LOAD FACTOR			23.2%	25.1%

Design Year Usage

May-20	313	5,485	28,746
Jun-20	80	2,618	14,594
Jul-20	9	23,019	117,798
Aug-20	14	19,927	102,197
Sep-20	132	3,225	19,885
Oct-20	453	8,044	47,603
Nov-20	878	17,264	90,590
Dec-20	1,277	26,724	132,023

Jan-21	1,504	31,531	155,312
Feb-21	1,292	26,235	133,935
Mar-21	1,136	22,646	115,465
Apr-21	614	11,192	60,064
Winter (Nov-Apr)	6,701	135,592	687,389
Summer (May-Oct)	1,001	62,318	330,823
Total	7,702	197,910	1,018,212

Total	Total	Total	Total	Total	Total	Total
42	50	51	52	SC	LLF	HLF
639	41	421	4,078	1,977	2,003	4,540
488	37	369	3,626	335	1,256	4,032
405	35	332	3,946	529	856	4,313
604	42	408	5,291	2,729	2,040	5,741
786	51	464	5,137	3,686	2,829	5,652
672	54	447	4,860	3,635	2,399	5,361
637	50	417	5,387	3,444	2,018	5,855
698	55	472	4,806	2,925	2,638	5,334
883	62	546	3,917	1,316	3,594	4,525
674	51	441	4,208	1,387	2,299	4,700
701	55	452	5,375	3,076	2,432	5,881
777	58	493	5,997	3,608	2,757	6,547
698	53	470	6,044	3,370	2,254	6,566
446	45	352	5,472	3,150	1,044	5,869
426	47	385	3,896	3,099	1,319	4,328
469	50	409	3,021	1,353	1,600	3,481
420	46	382	3,592	1,466	1,078	4,020
550	52	463	4,610	3,494	1,910	5,125
577	53	477	4,556	3,811	2,007	5,086
528	54	447	4,395	3,439	1,727	4,896
359	44	344	4,398	3,248	754	4,786
428	46	336	3,312	2,811	772	3,693
494	63	486	3,159	1,310	1,989	3,708
487	62	487	3,192	1,308	1,982	3,741
468	57	441	3,801	1,431	1,576	4,300
365	46	369	4,765	2,992	827	5,180
331	46	350	4,315	3,258	675	4,710
331	46	352	4,483	3,821	675	4,880
297	45	351	3,808	3,176	630	4,204
323	50	357	3,250	2,732	708	3,657
484	60	470	3,939	1,413	1,778	4,469
490	57	450	4,952	3,378	1,627	5,459
889	50	407	4,417	3,383	1,656	4,874
405	47	384	4,940	3,689	822	5,371
317	47	352	4,767	3,346	661	5,166
309	45	351	3,970	2,709	650	4,366
306	47	366	3,922	1,268	694	4,335
411	52	431	3,682	1,402	1,166	4,165
368	49	402	4,552	3,359	838	5,004
375	49	380	4,610	3,290	740	5,040
373	50	422	5,054	2,778	959	5,525
334	49	400	4,746	2,530	700	5,195
305	49	397	4,033	3,389	720	4,480
346	53	429	3,329	3,195	1,050	3,810

417	56	452	3,709	1,362	1,369	4,216
417	56	463	4,672	3,436	1,135	5,191
403	54	455	4,866	3,417	1,093	5,376
342	55	437	4,450	3,546	792	4,942
306	52	411	4,296	3,687	680	4,759
278	52	415	3,643	3,194	645	4,110
269	53	417	2,861	2,949	631	3,331
294	52	441	3,570	1,507	663	4,063
319	55	446	4,727	3,395	710	5,229
321	55	446	4,496	3,604	705	4,996
331	54	453	4,376	3,447	721	4,883
331	55	430	4,064	3,727	720	4,549
303	54	424	3,990	3,306	685	4,468
296	55	426	3,258	3,439	678	3,739
316	56	451	3,204	3,336	691	3,711
356	55	465	3,854	3,256	851	4,374
339	56	451	4,104	3,825	741	4,611
312	54	450	4,655	3,519	707	5,158
298	55	433	3,462	3,234	679	3,950
320	56	437	3,124	3,215	795	3,617
296	54	426	3,104	1,217	670	3,584
302	56	428	3,394	1,278	682	3,878
347	56	460	4,201	3,292	832	4,717
316	54	449	4,785	3,431	704	5,288
300	57	446	4,558	4,230	692	5,062
273	57	431	4,422	3,609	659	4,909
270	58	431	3,591	3,369	654	4,080
254	58	431	2,878	3,106	637	3,367
263	57	452	3,536	1,432	641	4,044
290	58	457	4,512	3,364	690	5,027
308	58	437	4,450	3,916	715	4,945
339	60	444	4,474	3,529	853	4,978
348	63	463	4,512	3,498	1,837	5,037
316	58	437	3,583	2,603	708	4,078
268	59	437	2,819	2,340	645	3,315
268	59	436	3,378	929	649	3,874
273	58	441	4,556	3,031	662	5,055
287	60	440	4,623	3,183	679	5,123
302	58	463	4,858	3,537	691	5,379
283	60	448	4,371	3,746	678	4,878
288	58	438	3,839	3,200	670	4,335
283	59	437	3,159	3,332	661	3,655
272	59	464	3,506	1,288	651	4,028
267	58	455	4,162	3,056	662	4,675
269	59	446	4,228	3,649	663	4,733
272	59	444	4,372	3,570	665	4,875
312	58	447	4,107	3,419	714	4,612

290	59	442	4,491	3,125	679	4,992
280	58	442	3,723	2,945	655	4,223
275	59	447	3,608	1,208	660	4,114
285	60	447	4,462	3,255	680	4,969
303	61	451	4,675	3,190	705	5,187
310	59	445	4,881	2,577	709	5,385
337	62	446	4,658	3,021	740	5,165
300	60	448	3,530	3,641	701	4,038
297	61	448	2,951	2,241	691	3,460
276	62	452	3,704	1,311	667	4,218
282	61	456	4,782	3,549	692	5,299
273	60	455	4,696	3,531	685	5,211
282	61	458	4,629	3,193	692	5,147
310	61	449	4,836	3,605	724	5,346
310	62	449	3,521	3,260	705	4,032
307	62	449	2,762	2,873	699	3,274
320	61	454	3,482	1,414	711	3,997
325	62	473	4,827	3,468	736	5,362
333	62	493	4,646	3,613	742	5,201
376	68	514	4,928	3,370	1,168	5,510
367	69	482	4,351	3,324	872	4,902
303	66	468	3,771	3,272	699	4,305
300	67	469	3,008	3,032	690	3,544
299	66	478	3,684	1,558	693	4,229
300	67	500	4,581	3,634	703	5,148
341	67	502	4,839	3,446	747	5,408
396	67	515	4,779	3,453	946	5,361
407	69	510	4,703	3,383	1,120	5,281
351	67	475	4,092	3,169	754	4,635
335	67	490	3,300	2,892	791	3,857
392	69	524	3,829	1,527	1,107	4,421
386	66	521	5,396	3,404	932	5,983
370	67	503	5,259	3,177	777	5,830
366	66	502	4,519	3,731	781	5,087
382	65	487	4,804	3,351	791	5,356
358	67	484	3,697	3,149	816	4,247
376	68	483	3,043	2,758	831	3,593
363	66	486	3,113	1,319	815	3,664
357	66	497	4,137	1,699	756	4,700
366	67	487	5,745	3,488	772	6,299
362	67	478	5,490	3,654	752	6,035
363	68	478	4,914	3,471	749	5,460
431	72	531	4,977	3,296	1,359	5,579
455	72	538	3,954	2,790	1,473	4,563
364	68	469	4,111	1,422	739	4,648
500	71	540	5,341	3,400	1,725	5,952
562	73	550	5,163	3,815	1,891	5,785

490	68	465	4,853	3,552	995	5,386
477	68	478	4,873	3,324	979	5,418
612	72	568	3,805	3,335	1,938	4,446
705	75	601	3,464	3,098	2,375	4,141
763	78	627	4,252	1,814	2,619	4,957
799	72	636	5,569	3,894	2,632	6,276
598	65	538	5,246	3,908	1,475	5,849
519	64	500	5,217	3,474	996	5,781
473	63	491	4,611	3,445	945	5,164
504	66	510	4,231	3,394	1,283	4,807
480	65	480	3,602	3,177	1,013	4,147
416	64	483	3,682	1,235	830	4,230
432	64	487	5,266	3,435	857	5,818
426	64	488	4,471	3,749	839	5,023
548	66	508	4,919	3,448	1,174	5,493
596	68	505	4,734	3,604	1,387	5,307
733	72	584	4,303	3,539	2,328	4,960
696	70	568	3,436	3,024	2,106	4,074
661	71	592	3,899	1,815	2,074	4,562
710	71	594	5,098	3,814	2,142	5,763
619	68	546	4,992	4,132	1,626	5,606
673	68	548	4,927	3,373	1,675	5,543
926	76	635	5,061	3,530	3,086	5,772
743	74	562	4,034	3,398	2,233	4,669
533	65	468	3,097	3,073	1,013	3,630
841	77	608	3,725	1,693	2,819	4,410
820	74	614	4,321	3,681	2,600	5,009
839	74	612	4,671	3,994	2,545	5,357
821	72	588	5,489	3,604	2,260	6,148
548	67	510	5,145	3,384	1,185	5,722
801	75	584	3,996	3,477	2,373	4,655
1,039	80	664	3,504	3,122	3,623	4,248
999	78	637	4,248	1,921	3,118	4,963
802	76	605	5,046	3,691	2,416	5,727
649	71	547	5,216	4,155	1,654	5,834
700	73	580	5,285	3,639	2,018	5,938
588	73	559	5,032	3,561	1,694	5,664
644	75	562	3,921	3,641	1,750	4,557
829	77	599	3,311	3,379	2,670	3,986
1,153	83	676	4,081	1,830	3,947	4,841
1,103	82	647	5,123	3,515	3,554	5,853
1,072	81	670	4,870	3,975	3,491	5,621
1,145	82	699	4,917	3,794	3,907	5,698
1,293	86	737	5,060	3,732	4,481	5,882
1,655	92	813	4,995	3,610	5,997	5,900
1,429	85	737	4,288	3,906	4,917	5,111
1,139	82	669	4,175	2,058	3,776	4,926

1,542	91	797	5,486	3,518	5,503	6,374
1,508	85	785	6,043	3,929	5,406	6,914
1,268	80	706	5,824	3,981	4,220	6,611
681	70	516	4,959	3,545	1,564	5,545
612	71	499	4,009	3,507	1,365	4,579
621	72	526	3,289	3,470	1,675	3,887
816	75	588	4,023	2,111	2,641	4,687
883	77	623	5,141	3,459	2,825	5,841
582	74	492	4,614	3,907	1,168	5,180
487	71	496	4,584	3,621	922	5,151
1,030	82	663	4,944	3,694	3,529	5,689
1,267	86	713	4,699	3,529	4,650	5,498
1,307	86	730	3,944	3,741	4,909	4,760
1,075	82	656	3,979	2,192	3,500	4,716
1,239	83	699	5,502	3,917	4,248	6,285
1,488	85	775	5,499	4,192	5,407	6,360
1,869	97	884	5,935	3,829	7,217	6,915
1,405	83	700	5,229	3,720	4,743	6,012
909	79	588	4,380	3,757	2,793	5,047
1,089	84	674	3,970	3,812	4,077	4,728
1,087	81	675	3,880	3,523	3,782	4,636
1,379	89	737	4,944	4,130	5,040	5,769
1,643	92	784	5,937	3,916	6,220	6,813
1,434	87	714	4,769	2,882	5,063	5,570
1,227	86	687	3,504	1,545	4,506	4,277
1,051	83	633	3,361	1,585	3,624	4,078
1,191	85	688	3,537	1,410	4,453	4,310
1,312	87	733	4,440	1,710	4,846	5,259
854	78	602	4,663	3,772	2,529	5,343
1,075	84	663	4,902	3,975	3,861	5,650
1,386	88	741	5,671	3,699	5,120	6,500
1,269	86	678	5,485	3,581	4,427	6,248
1,140	80	644	4,404	3,359	3,818	5,128
1,415	91	795	4,293	3,559	5,987	5,179
1,603	94	822	4,690	2,122	6,474	5,606
1,718	91	842	5,445	3,805	6,575	6,379
1,780	98	875	5,637	3,970	7,040	6,611
1,572	93	789	5,674	3,831	5,880	6,556
1,568	92	781	5,613	3,629	5,854	6,486
1,376	94	735	4,774	3,564	5,155	5,603
1,229	94	702	3,859	3,574	4,517	4,655
1,307	93	725	3,932	1,993	4,863	4,750
1,574	96	816	5,440	3,729	5,996	6,352
1,925	107	941	6,522	3,946	7,990	7,570
1,986	106	934	6,006	2,957	8,184	7,047
1,981	104	895	5,672	2,607	7,937	6,671
1,902	103	889	5,378	2,847	7,717	6,370

1,639	98	842	4,551	2,756	6,712	5,491
1,637	95	828	4,459	3,308	6,523	5,382
1,588	93	809	4,601	3,001	6,043	5,503
1,505	92	770	4,587	2,970	5,658	5,449
1,625	90	788	4,454	2,415	6,015	5,332
1,017	96	650	3,526	649	3,401	4,272
1,023	95	690	3,537	650	3,957	4,322
1,529	93	817	4,003	1,710	6,336	4,914
1,576	91	790	4,356	2,748	5,861	5,237
1,444	93	753	4,386	3,435	5,039	5,233
1,821	101	905	5,149	3,975	7,480	6,155
1,510	91	762	4,155	3,440	5,441	5,009
1,505	92	770	3,943	1,794	5,663	4,805
1,381	92	763	3,699	1,475	5,399	4,554
1,479	91	799	3,841	3,241	5,969	4,731
1,575	92	807	4,136	3,499	6,094	5,036
1,591	92	824	5,092	3,296	6,151	6,008
1,611	91	832	5,065	3,743	6,279	5,988
1,555	90	822	4,813	3,883	5,994	5,726
1,628	93	839	4,913	3,796	6,407	5,846
1,604	94	839	4,665	3,613	6,586	5,598
1,464	92	801	4,310	3,043	5,979	5,203
1,634	94	846	4,753	1,763	6,439	5,693
1,640	91	831	5,195	3,879	6,245	6,117
1,458	94	793	5,066	4,008	5,550	5,954
1,453	94	796	5,012	3,564	5,550	5,902
1,434	96	773	5,036	3,848	5,403	5,904
1,292	101	759	4,372	3,866	4,867	5,232
1,203	101	760	3,590	3,408	4,765	4,451
1,336	100	792	4,002	1,767	5,037	4,893
1,559	96	837	5,112	3,696	6,239	6,045
1,577	95	822	5,418	3,765	6,081	6,336
1,767	100	903	5,673	3,718	7,086	6,676
1,747	99	863	5,385	3,650	6,733	6,347
1,483	99	821	4,706	3,941	5,914	5,626
1,933	113	995	4,867	3,536	8,727	5,974
2,000	109	971	5,203	1,789	8,133	6,282
1,934	104	923	6,055	3,761	7,385	7,081
1,695	98	865	5,824	4,146	6,424	6,787
1,585	101	846	5,611	3,650	5,947	6,558
2,100	112	976	6,089	3,502	8,592	7,177
2,356	118	1,050	5,814	3,803	9,676	6,982
2,293	115	1,030	5,559	3,828	9,366	6,705
2,173	109	984	5,579	2,224	8,335	6,673
1,967	104	912	5,244	2,707	7,319	6,259
1,752	98	870	5,034	3,143	6,482	6,002
1,647	101	850	5,305	3,783	6,033	6,256

1,796	100	894	5,420	3,776	6,649	6,414
1,621	98	853	4,705	3,551	6,076	5,656
1,650	98	866	4,461	3,660	6,431	5,426
1,847	105	945	4,784	2,141	7,369	5,833
2,134	107	964	6,300	3,491	8,161	7,371
2,196	106	963	5,747	3,141	8,222	6,816
1,985	105	953	5,638	3,967	7,767	6,696
2,158	111	1,040	5,562	3,827	8,730	6,713
2,090	107	975	5,008	3,340	8,190	6,090
1,731	100	909	4,180	3,783	6,966	5,189
1,730	98	872	4,448	2,229	6,541	5,418
1,815	96	876	5,100	3,780	6,299	6,072
1,824	99	921	5,342	4,152	6,738	6,362
2,017	103	976	5,801	3,902	7,622	6,881
1,983	101	948	5,659	3,756	7,226	6,707
1,868	99	931	5,153	3,604	7,064	6,183
1,810	102	950	4,486	3,672	7,321	5,538
1,894	101	951	4,928	3,015	7,101	5,980
1,724	92	878	5,019	3,710	6,001	5,990
1,449	93	828	5,166	3,805	5,242	6,087
962	94	774	4,892	3,630	4,065	5,760
1,326	94	881	5,161	3,717	5,913	6,137
1,405	93	854	5,003	3,444	5,744	5,950
1,464	93	809	4,268	3,644	5,243	5,170
1,229	95	806	4,251	2,827	4,671	5,152
1,489	102	982	5,541	3,787	7,116	6,625
1,779	104	1,005	5,887	4,124	7,677	6,995
1,536	93	848	5,139	3,745	5,576	6,080
1,871	104	970	5,498	3,697	7,602	6,572
1,951	103	980	5,310	3,599	7,925	6,393
1,717	100	936	4,776	3,737	7,080	5,812
1,745	97	901	4,884	1,991	6,686	5,882
1,648	90	857	5,473	3,668	5,770	6,420
1,392	94	786	5,257	3,836	4,896	6,136
1,342	91	783	5,130	3,573	4,713	6,004
855	101	588	4,375	3,470	2,095	5,064
1,091	88	704	4,039	3,460	3,947	4,832
1,243	85	781	3,888	3,619	5,095	4,753
1,808	97	959	4,890	2,752	7,620	5,946
2,227	98	986	6,406	3,829	8,473	7,490
1,688	86	843	5,706	3,912	6,091	6,635
1,322	81	766	5,004	3,574	4,643	5,850
1,442	85	777	4,768	3,550	5,070	5,630
1,542	85	794	4,971	3,456	5,654	5,851
1,219	79	687	4,063	3,772	4,115	4,830
1,231	79	699	4,329	2,847	4,054	5,107
1,208	79	711	4,704	3,686	4,123	5,493

1,094	76	670	4,527	3,978	3,440	5,273
1,017	73	664	4,343	3,454	3,202	5,080
922	69	628	4,256	3,482	2,677	4,953
781	65	571	3,909	3,373	2,125	4,545
995	74	668	4,001	3,744	3,520	4,744
1,159	76	713	4,274	2,464	4,051	5,063
1,422	80	734	5,807	3,766	4,523	6,621
1,063	74	682	5,196	3,781	3,532	5,952
785	66	574	4,718	3,315	2,134	5,359
1,427	83	765	5,469	3,266	5,158	6,317
1,492	84	793	4,902	3,312	5,398	5,779
1,266	80	736	4,182	3,353	4,530	4,998
964	70	644	4,064	3,582	2,929	4,778
1,154	76	700	5,186	3,310	3,746	5,962
946	78	655	4,768	3,557	2,991	5,501
836	73	601	4,774	3,369	2,368	5,448
942	76	655	4,890	3,341	3,042	5,621
800	74	610	4,357	3,479	2,589	5,042
664	71	561	3,454	3,328	1,947	4,086
1,014	78	687	4,295	3,708	3,519	5,061
1,122	80	688	5,452	3,489	3,683	6,220
866	73	627	5,087	3,650	2,687	5,786
995	76	657	4,977	3,415	3,212	5,710
1,144	79	683	4,886	3,289	3,880	5,648
1,382	87	752	4,849	3,557	4,919	5,688
1,077	79	668	3,886	3,683	3,687	4,633
1,008	78	666	4,344	3,533	3,336	5,088
915	73	620	5,150	3,710	2,668	5,843
768	69	579	5,333	3,954	2,006	5,980
1,093	80	689	5,484	3,264	3,824	6,253
1,353	86	742	5,832	3,612	4,731	6,660
923	72	577	4,915	2,302	2,658	5,564
640	64	497	3,533	1,310	1,459	4,094
962	77	646	4,393	1,946	3,171	5,116
1,119	80	676	5,869	3,913	3,688	6,625
812	70	565	5,072	3,909	2,103	5,707
876	73	613	4,982	3,378	2,661	5,668
1,017	75	642	4,659	3,392	3,109	5,376
897	74	613	4,532	3,505	2,881	5,219
254	35	332	2,762	335	630	3,274
937	75	626	4,572	3,168	3,247	5,273
2,356	118	1,050	6,522	4,230	9,676	7,570
2,102	83	718	3,760	3,895	9,045	4,297

338	44	346	3,993	2,603	665	4,382
324	52	417	4,123	3,163	718	4,592
403	66	483	4,548	3,051	823	5,097
397	65	480	4,484	3,463	656	5,028
469	70	477	3,930	3,252	821	4,477
485	76	466	2,993	2,213	692	3,535
400	70	491	3,220	3,416	720	3,781
218	75	562	3,676	3,560	427	4,313
536	65	473	3,851	3,443	648	4,388
492	64	492	4,261	3,038	867	4,817
18	1	7	32	(4)	95	40
25	0	3	31	(59)	92	34
19	1	8	(1)	11	98	7
31	1	9	2	(6)	137	11
31	1	9	33	1	142	42
30	1	9	53	23	149	62
32	1	9	45	(1)	150	55
39	1	9	35	(2)	158	45
28	1	10	34	2	147	46
27	1	8	27	16	125	36
0.86	0.48	0.89	0.10	0.00	0.98	0.14
0.42	0.05	0.08	0.02	0.05	0.88	0.03
0.77	0.75	0.93	0.00	0.01	0.97	0.00
0.94	0.92	0.97	0.00	0.01	0.98	0.02
0.98	0.92	0.98	0.20	0.00	0.99	0.29
0.94	0.58	0.97	0.34	0.05	0.99	0.42
0.93	0.64	0.95	0.33	0.00	0.99	0.41
0.84	0.77	0.94	0.23	0.00	0.98	0.31
0.92	0.60	0.96	0.44	0.00	0.99	0.57
0.96	0.89	0.95	0.12	0.05	0.99	0.19
16,448	1,556	12,987	134,636	79,329	52,424	149,179
10,863	1,569	12,654	125,112	92,145	25,793	139,335
9,087	1,791	13,751	123,707	93,245	22,525	139,249
9,961	1,968	14,611	129,634	91,361	23,816	146,213
14,218	2,039	15,370	136,326	92,799	35,977	153,736

26,658	2,335	18,851	139,823	104,607	82,691	161,009
33,996	2,463	20,035	139,262	97,962	116,202	161,760
47,225	2,917	24,441	149,107	93,600	181,524	176,465
51,539	3,066	26,563	154,457	104,702	203,352	184,085
49,075	2,793	25,247	142,066	97,199	187,187	170,107
42,582	2,674	24,248	151,068	109,041	155,225	177,990
30,476	2,288	19,608	143,575	100,414	98,577	165,470
254,892	16,201	140,141	879,535	602,919	942,068	1,035,877
87,233	11,258	88,225	789,239	553,486	243,226	888,722
342,126	27,459	228,366	1,668,773	1,156,404	1,185,294	1,924,598

16,028	1,541	12,827	133,871	79,424	50,181	148,239
11,861	1,580	12,778	126,353	89,767	29,475	140,711
9,087	1,791	13,751	123,707	93,245	22,525	139,249
9,961	1,968	14,611	129,634	91,361	23,816	146,213
14,274	2,041	15,393	136,323	92,832	36,272	153,757
26,292	2,327	18,749	139,802	104,678	81,098	160,878
37,710	2,532	21,101	143,238	98,038	133,263	166,871
48,845	2,946	24,943	151,940	94,857	189,579	179,829
54,906	3,142	27,540	159,158	104,600	218,929	189,839
49,954	2,807	25,441	142,867	97,149	190,772	171,116
44,836	2,732	25,081	153,820	109,240	166,960	181,633
31,239	2,306	19,843	144,340	100,866	102,105	166,489
267,490	16,465	143,948	895,364	604,750	1,001,607	1,055,777
87,501	11,248	88,111	789,690	551,307	243,367	889,048
354,991	27,713	232,059	1,685,054	1,156,057	1,244,974	1,944,826

763	62	601	4,005	2,480	992	4,668
25	1	7	31	18	144	39
0.47	0.57	0.59	0.07	0.02	0.90	0.10
2,797	133	1,196	6,504	3,962	12,531	7,834
11.50%	0.55%	4.92%	26.74%	16.29%	51.51%	32.20%

2,828	135	1,209	6,577	4,006	12,671	7,921
354,991	27,713	232,059	1,685,054	1,156,057	1,244,974	1,944,826
34.4%	56.3%	52.6%	70.2%	79.1%	26.9%	67.3%

16,045	1,542	12,834	133,903	79,420	50,275	148,279
11,711	1,578	12,760	126,167	90,124	28,922	140,505
49,954	2,807	25,441	142,867	97,149	190,772	171,116
44,836	2,732	25,081	153,820	109,240	166,960	181,633
14,534	2,049	15,499	136,310	92,987	37,645	153,857
26,543	2,332	18,819	139,817	104,629	82,190	160,968
41,133	2,596	22,083	146,903	98,109	148,987	171,582
53,379	3,026	26,349	159,872	98,378	212,127	189,247

61,200	3,285	29,365	167,944	104,408	248,043	200,594
56,239	2,908	26,831	148,593	96,786	216,408	178,333
48,638	2,831	26,484	158,460	109,577	186,748	187,776
31,347	2,308	19,876	144,449	100,929	102,604	166,633
291,936	16,953	150,990	926,222	608,187	1,114,917	1,094,165
163,624	13,041	110,433	832,883	573,549	556,765	956,357
455,559	29,994	261,423	1,759,105	1,181,737	1,671,682	2,050,522

Total	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service
Total	40	41	42	50	51	52
8,520	3	60	464	2	25	3,779
5,623	1	40	390	3	22	3,410
5,699	1	33	336	3	20	3,725
10,510	3	56	446	3	25	4,888
12,166	5	76	588	4	28	4,700
11,395	4	66	486	4	29	4,366
11,316	3	55	487	3	28	4,951
10,896	5	68	504	4	31	4,495
9,435	7	98	618	4	35	3,635
8,386	4	66	508	3	29	3,898
11,389	4	67	511	4	30	4,918
12,912	5	75	570	4	31	5,537
12,189	4	64	509	3	32	5,567
10,063	1	40	335	3	26	5,095
8,745	2	45	325	2	28	3,637
6,434	2	47	349	3	29	2,808
6,564	1	34	323	4	26	3,320
10,529	3	55	395	2	31	4,151
10,905	3	60	415	3	31	4,102
10,061	3	61	387	3	30	4,078
8,788	1	32	280	2	24	4,163
7,276	0	28	352	3	24	3,104
7,007	4	55	348	3	32	2,907
7,031	4	56	355	2	32	2,934
7,307	3	46	341	4	29	3,536
8,998	1	33	294	2	25	4,385
8,643	0	28	275	3	24	3,899
9,375	0	26	267	3	24	4,194
8,010	0	25	250	2	24	3,600
7,097	1	23	260	6	24	3,064
7,660	3	51	355	4	30	3,615
10,463	3	48	363	3	29	4,524
9,913	2	43	807	2	27	4,026
9,882	1	34	321	3	24	4,510
9,173	0	30	264	4	24	4,474
7,724	0	28	260	2	24	3,754
6,296	1	23	250	3	24	3,712
6,733	2	43	319	4	27	3,442
9,200	1	37	293	3	27	4,341
9,069	0	28	289	4	25	4,390
9,262	1	34	296	2	27	4,769
8,426	0	28	278	3	25	4,444
8,589	1	25	233	2	26	3,843
8,055	1	35	250	2	27	3,138

6,947	2	41	311	3	28	3,435
9,761	1	39	321	3	30	4,218
9,887	1	35	298	2	29	4,443
9,280	1	30	278	4	28	4,040
9,126	1	30	255	3	27	4,019
7,949	1	23	233	2	27	3,408
6,911	1	20	226	3	27	2,653
6,233	1	22	240	2	27	3,246
9,334	1	30	263	3	27	4,246
9,305	1	25	253	3	27	4,059
9,052	1	26	267	2	27	3,915
8,996	1	24	258	3	28	3,696
8,458	1	27	240	2	28	3,731
7,855	1	23	238	3	28	3,007
7,738	1	21	246	4	28	2,928
8,480	1	23	286	2	28	3,501
9,177	1	30	272	4	28	3,744
9,385	1	29	248	2	28	4,251
7,863	1	23	225	3	28	3,116
7,627	1	21	246	3	28	2,801
5,471	1	21	231	2	28	2,809
5,838	1	22	232	4	28	3,068
8,841	1	32	250	3	28	3,803
9,423	1	28	235	2	28	4,285
9,984	1	30	229	3	28	4,002
9,177	1	32	209	2	29	3,919
8,103	1	27	213	3	29	3,244
7,110	1	20	203	3	29	2,600
6,116	1	22	207	2	29	3,172
9,081	1	32	222	3	29	3,968
9,576	1	31	235	2	29	3,896
9,360	1	30	245	3	31	3,933
10,372	2	39	257	3	33	4,113
7,390	1	31	244	2	31	3,210
6,300	1	22	212	3	31	2,527
5,451	1	22	202	3	31	3,065
8,748	1	29	214	2	31	4,078
8,985	1	32	224	3	31	4,127
9,607	1	29	229	2	31	4,272
9,302	1	28	218	4	31	3,917
8,205	1	26	221	2	31	3,542
7,648	1	21	211	3	31	2,930
5,967	1	22	215	3	31	3,244
8,393	1	30	204	2	31	3,789
9,045	1	29	200	3	31	3,769
9,110	1	30	203	3	31	3,930
8,746	1	29	239	2	31	3,812

8,796	1	23	219	3	31	4,233
7,823	1	20	221	2	31	3,508
5,982	1	21	217	3	31	3,321
8,904	1	32	217	4	31	4,019
9,082	1	33	221	5	31	4,105
8,672	1	32	234	3	31	4,430
8,926	1	33	256	3	31	4,148
8,380	1	28	239	2	30	3,209
6,392	1	22	225	3	30	2,687
6,197	1	24	213	4	30	3,369
9,540	1	32	214	3	30	4,306
9,427	1	33	206	2	30	4,208
9,033	1	33	210	3	30	4,112
9,674	1	33	229	2	28	4,302
7,997	1	26	224	3	28	3,180
6,845	1	23	238	3	28	2,469
6,122	1	22	248	2	28	3,125
9,566	1	30	243	3	28	4,308
9,557	1	31	247	2	28	4,144
10,047	3	38	273	3	29	4,346
9,098	1	36	265	4	28	3,902
8,277	1	29	233	2	28	3,445
7,266	1	21	232	3	28	2,706
6,480	1	23	226	2	28	3,257
9,485	1	27	232	3	28	4,028
9,601	1	34	256	3	28	4,290
9,760	1	39	290	2	29	4,292
9,784	1	37	295	3	30	4,265
8,558	1	30	271	3	28	3,747
7,540	1	27	264	2	29	2,944
7,055	1	32	285	3	30	3,479
10,320	1	30	293	2	29	4,836
9,783	1	32	284	4	28	4,676
9,599	1	33	282	3	28	3,916
9,499	1	36	289	2	28	4,381
8,212	1	33	272	3	29	3,384
7,183	1	28	293	4	29	2,786
5,798	1	28	273	2	29	2,811
7,155	1	29	278	3	28	3,724
10,559	1	37	282	3	28	5,180
10,440	1	34	282	2	27	4,895
9,680	1	34	278	3	27	4,478
10,234	2	44	317	5	30	4,599
8,826	2	44	337	4	30	3,627
6,809	1	26	290	3	27	3,747
11,076	3	57	359	4	15	4,775
11,491	3	64	400	4	15	4,578

9,933	1	40	332	3	14	4,274
9,720	1	40	329	3	28	4,377
9,718	3	56	404	3	33	3,456
9,614	3	60	454	4	35	3,120
9,391	4	68	491	6	36	3,810
12,803	3	83	519	3	35	4,958
11,232	1	60	426	4	30	4,670
10,251	1	44	376	4	28	4,646
9,554	1	42	347	3	28	4,078
9,485	1	50	365	2	30	3,875
8,337	1	38	342	3	28	3,279
6,294	0	33	311	3	27	3,288
10,110	0	42	319	3	27	4,844
9,612	0	38	314	3	27	4,058
10,115	1	49	387	3	29	4,478
10,298	1	55	414	5	30	4,302
10,826	3	74	482	4	34	3,892
9,204	2	64	462	3	33	3,120
8,451	2	65	443	4	33	3,461
11,718	2	77	462	4	33	4,500
11,363	2	60	430	4	31	4,387
10,591	2	62	454	4	31	4,370
12,388	4	96	569	4	37	4,475
10,301	2	73	491	5	33	3,636
7,716	1	37	395	2	28	2,819
8,922	3	86	548	5	36	3,262
11,290	3	84	522	4	35	3,735
11,896	3	85	533	4	34	4,008
12,012	2	79	524	4	33	4,865
10,291	1	50	394	3	29	4,604
10,505	3	74	521	4	34	3,587
10,993	5	105	627	3	39	3,121
10,001	4	91	619	4	36	3,794
11,835	3	85	537	5	34	4,471
11,644	2	63	462	3	31	4,584
11,595	2	67	482	4	32	4,617
10,918	2	68	407	4	31	4,449
9,949	2	59	452	5	32	3,529
10,035	3	78	529	3	35	2,960
10,618	5	111	697	4	39	3,573
12,922	4	105	677	5	37	4,460
13,088	4	99	663	4	37	4,241
13,400	5	116	708	4	39	4,250
14,096	6	129	781	5	41	4,403
15,507	8	173	1,006	4	46	4,461
13,934	6	148	902	3	42	3,811
10,760	5	112	735	4	38	3,650

15,395	7	166	924	6	44	4,811
16,249	7	163	904	4	44	5,328
14,812	5	133	786	4	39	5,091
10,654	1	68	469	2	30	4,378
9,451	1	52	438	5	30	3,617
9,032	2	64	416	4	31	2,926
9,439	3	85	537	3	34	3,518
12,125	3	91	555	4	35	4,482
10,255	1	50	423	4	28	3,998
9,694	0	41	364	2	27	3,952
12,913	4	105	625	4	36	4,369
13,677	6	130	778	4	39	4,179
13,410	6	131	824	3	40	3,480
10,409	4	104	680	4	35	3,488
14,450	5	134	753	4	38	4,854
15,958	7	158	891	3	41	4,764
17,962	10	207	1,093	5	47	5,105
14,475	6	153	861	2	38	4,514
11,596	4	92	591	3	33	3,732
12,616	6	122	704	3	38	3,445
11,940	5	113	689	2	36	3,376
14,938	7	148	823	5	39	4,320
16,949	9	180	977	4	43	5,281
13,515	7	153	858	2	39	4,171
10,328	6	136	742	3	38	3,003
9,287	5	111	643	3	35	2,883
10,173	6	129	742	2	38	3,051
11,816	7	143	788	3	39	3,840
11,645	3	89	561	2	32	3,990
13,487	6	116	627	3	36	4,128
15,319	7	150	794	3	40	4,858
14,257	6	132	743	3	38	4,713
12,306	5	111	701	2	36	3,736
14,725	9	164	885	4	44	3,691
14,202	10	178	950	5	45	4,031
16,758	10	190	1,012	3	46	4,593
17,621	10	201	1,030	5	47	4,772
16,267	8	173	927	4	43	4,889
15,969	8	167	921	3	43	4,809
14,322	7	154	824	3	38	4,058
12,746	6	129	774	3	36	3,305
11,607	7	138	790	2	37	3,407
16,077	9	169	914	5	40	4,786
19,507	12	224	1,100	4	45	5,710
18,187	12	232	1,151	4	46	5,332
17,215	12	223	1,172	3	45	5,053
16,934	12	213	1,134	4	45	4,780

14,959	10	187	1,023	4	42	4,019
15,213	10	182	999	2	41	3,905
14,547	9	177	926	3	40	3,994
14,078	9	162	862	3	39	4,048
13,762	9	171	915	2	40	3,889
8,322	5	104	633	3	33	3,075
8,929	6	116	654	3	35	3,101
12,960	10	181	923	2	42	3,522
13,846	9	173	922	3	40	3,840
13,708	7	150	835	3	37	3,863
17,610	12	215	1,035	4	45	4,550
13,890	8	163	888	2	39	3,614
12,261	9	161	890	3	39	3,425
11,428	8	159	848	3	39	3,228
13,940	9	174	918	2	41	3,347
14,628	9	174	940	3	41	3,639
15,455	9	179	911	3	41	4,519
16,011	10	186	932	3	42	4,470
15,604	9	174	895	3	42	4,233
16,048	10	186	933	3	43	4,369
15,797	10	192	940	2	44	4,157
14,225	9	176	903	3	42	3,849
13,895	10	185	970	3	43	4,200
16,241	9	190	939	2	42	4,440
15,512	8	165	833	3	42	4,319
15,017	8	163	841	3	42	4,376
15,155	8	161	846	3	41	4,388
13,965	7	146	774	4	40	3,865
12,624	7	140	740	4	40	3,127
11,697	7	148	797	4	40	3,500
15,980	9	180	869	5	44	4,426
16,181	9	176	889	4	43	4,645
17,479	11	202	995	3	46	4,868
16,731	10	198	1,001	4	45	4,706
15,481	9	174	866	4	43	4,148
18,237	14	255	1,131	3	52	4,317
16,205	13	241	1,181	4	49	4,543
18,227	11	215	1,105	4	47	5,243
17,357	10	186	987	3	44	4,978
16,156	9	172	929	5	42	4,779
19,271	13	247	1,206	4	51	5,292
20,461	15	277	1,356	4	54	5,184
19,899	15	268	1,353	3	53	4,958
17,232	13	242	1,286	4	49	4,907
16,284	11	215	1,170	4	46	4,547
15,628	10	189	1,046	3	44	4,249
16,072	9	177	981	5	43	4,534

16,839	10	192	1,061	4	45	4,642
15,283	9	178	997	4	43	4,106
15,517	10	182	1,020	3	45	3,961
15,343	11	206	1,116	5	47	4,150
19,023	12	234	1,277	4	49	5,436
18,179	12	238	1,349	3	49	4,860
18,430	12	230	1,177	4	50	4,802
19,269	14	252	1,267	5	53	4,754
17,620	12	231	1,256	4	51	4,374
15,938	11	202	1,100	3	48	3,620
14,188	10	187	1,079	4	46	3,847
16,152	9	179	1,114	4	45	4,305
17,253	10	198	1,116	4	47	4,529
18,404	11	226	1,211	4	50	4,980
17,689	11	208	1,217	4	48	4,974
16,851	11	207	1,160	3	48	4,580
16,532	12	214	1,132	4	50	3,980
16,096	11	202	1,175	5	48	4,290
15,701	9	177	1,066	3	44	4,224
15,134	8	153	881	4	42	4,402
13,456	6	133	473	4	40	4,003
15,767	10	177	673	4	46	4,458
15,139	9	172	777	4	45	4,424
14,057	8	156	937	4	42	3,746
12,650	7	141	737	5	41	3,693
17,528	12	214	764	4	50	4,775
18,796	13	230	941	4	51	5,085
15,402	9	169	936	4	43	4,441
17,870	12	219	1,124	5	51	4,848
17,917	13	227	1,180	3	51	4,722
16,628	12	203	1,053	4	49	4,260
14,559	11	194	1,079	4	47	4,243
15,857	9	172	1,017	3	42	4,733
14,868	8	140	861	5	40	4,495
14,289	7	140	841	4	39	4,412
10,629	2	72	592	3	30	3,785
12,240	6	115	701	4	37	3,549
13,467	9	138	778	3	41	3,414
16,318	13	210	1,110	5	49	4,222
19,793	14	242	1,364	4	53	5,509
16,639	10	184	1,045	4	45	4,899
14,067	7	142	835	3	41	4,254
14,251	8	150	902	6	42	4,175
14,961	9	164	947	3	45	4,365
12,716	6	123	804	4	40	3,579
12,008	6	121	807	4	39	3,785
13,302	6	123	774	4	40	3,974

12,692	5	106	718	4	37	3,817
11,736	4	99	665	4	37	3,724
11,112	3	80	610	4	35	3,744
10,043	2	70	534	3	33	3,456
12,008	5	100	655	4	39	3,590
11,578	6	118	747	4	40	3,719
14,909	6	133	909	6	41	4,935
13,266	5	103	681	4	38	4,379
10,807	2	69	534	4	33	4,045
14,741	7	144	863	4	44	4,690
14,489	8	158	899	4	45	4,320
12,881	7	132	794	4	42	3,723
11,289	4	90	620	3	36	3,508
13,018	5	109	723	5	39	4,288
12,049	4	93	609	5	36	3,998
11,185	3	70	568	4	35	3,982
12,004	4	91	616	3	38	4,189
11,110	4	79	537	4	36	3,876
9,361	2	56	461	4	34	3,143
12,287	5	100	651	3	40	3,791
13,392	5	108	713	5	40	4,652
12,123	4	84	574	4	39	4,355
12,337	4	93	630	4	41	4,405
12,817	6	111	713	3	44	4,248
14,164	7	138	837	5	48	4,324
12,003	5	108	685	4	44	3,490
11,957	5	97	641	5	42	3,830
12,221	3	86	601	5	39	4,524
11,940	2	57	517	4	36	4,761
13,341	5	98	680	4	44	4,887
15,003	6	118	814	5	47	5,218
10,524	3	66	608	4	39	4,410
6,863	1	34	452	2	34	3,186
10,233	4	76	626	5	41	3,893
14,226	5	95	684	5	43	5,105
11,718	2	55	547	5	37	4,246
11,706	3	71	570	4	39	4,195
11,876	4	77	635	4	41	4,065
11,606	4	72	580	4	40	3,914
5,451	0	20	200	2	14	2,469
11,688	5	98	596	3	35	4,053
20,461	15	277	1,364	6	54	5,710
15,010	15	257	1,164	4	40	3,241

7,650	0	27	276	3	24	3,724
8,473	1	27	260	3	27	3,816
8,971	1	35	303	3	27	4,097
9,147	0	34	306	3	28	4,002
8,550	0	40	353	3	27	3,435
6,440	0	32	324	3	27	2,457
7,918	0	28	255	3	26	2,713
8,300	1	28	78	3	28	3,054
8,479	(0)	27	424	3	28	3,308
8,722	0	24	377	3	32	3,687
130	0	2	11	0	0	27
67	0	2	19	0	0	25
116	0	2	10	0	0	(1)
142	0	3	17	0	0	(1)
185	0	4	16	0	0	29
235	0	4	17	0	0	50
205	0	4	18	0	0	42
201	0	4	25	0	0	33
195	0	4	15	0	0	31
177	0	3	14	0	0	25
0.27	0.99	0.96	0.78	0.01	0.71	0.08
0.03	0.93	0.72	0.29	0.00	0.14	0.02
0.19	0.94	0.78	0.75	0.10	0.11	0.00
0.47	0.98	0.95	0.91	0.11	1.00	0.00
0.64	0.97	0.97	0.97	0.07	0.97	0.19
0.66	0.99	0.97	0.96	0.07	0.82	0.40
0.68	1.00	0.99	0.94	0.04	0.93	0.39
0.73	0.98	0.97	0.75	0.02	0.93	0.29
0.89	0.98	0.97	0.81	0.12	0.97	0.51
0.68	0.98	0.92	0.95	0.19	0.76	0.15
280,931	82	1,568	12,323	100	859	124,464
257,273	29	906	8,709	87	811	115,657
255,019	24	839	6,943	84	920	111,420
261,391	24	915	7,515	90	902	116,487
282,511	39	1,299	10,234	103	831	122,768

348,308	98	2,620	17,194	118	1,075	123,748
375,924	150	3,562	21,173	106	1,104	121,595
451,589	268	5,207	27,953	102	1,262	129,496
492,139	310	5,932	30,117	109	1,365	135,020
454,493	284	5,457	29,565	110	1,296	122,470
442,256	238	4,567	26,508	124	1,299	130,936
364,462	132	2,766	19,446	120	1,203	125,215
2,580,863	1,383	27,492	154,762	671	7,531	764,732
1,685,433	296	8,147	62,918	583	5,397	714,543
4,266,297	1,678	35,638	217,680	1,254	12,928	1,479,275

277,844	77	1,516	12,056	99	851	123,829
259,953	36	993	9,486	88	820	116,672
255,019	24	839	6,943	84	920	111,420
261,391	24	915	7,515	90	902	116,487
282,861	39	1,306	10,264	103	831	122,764
346,653	96	2,580	16,997	118	1,069	123,756
398,173	177	4,000	23,143	109	1,157	125,049
464,265	281	5,420	28,855	103	1,284	132,180
513,368	335	6,368	32,029	111	1,413	139,401
459,036	289	5,552	30,126	111	1,307	123,226
457,834	260	4,892	27,668	126	1,337	133,401
369,459	138	2,865	19,842	121	1,215	125,925
2,662,135	1,480	29,096	161,663	680	7,713	779,182
1,683,722	296	8,149	63,261	582	5,392	714,928
4,345,856	1,776	37,245	224,924	1,262	13,104	1,494,109

8,140	0	31	596	5	30	3,306
202	0	4	12	(0)	0	31
0.46	0.88	0.85	0.27	0.03	0.43	0.09
24,327	20	358	1,565	3	62	5,810
100.00%	0.20%	3.49%	15.26%	0.03%	0.60%	56.66%

24,598	21	362	1,583	3	63	5,875
4,345,856	1,776	37,245	224,924	1,262	13,104	1,494,109
48.4%	23.7%	28.2%	38.9%	106.3%	57.3%	69.7%

277,975	77	1,518	12,068	99	851	123,856
259,551	35	980	9,369	88	818	116,519
459,036	289	5,552	30,126	111	1,307	123,226
457,834	260	4,892	27,668	126	1,337	133,401
284,489	42	1,335	10,404	104	835	122,747
347,787	97	2,608	17,132	118	1,073	123,751
418,678	201	4,404	24,959	111	1,205	128,232
499,752	317	6,014	31,379	106	1,344	139,692

553,045	382	7,182	35,601	113	1,502	147,589
491,528	328	6,235	34,132	113	1,380	128,634
484,100	296	5,438	29,625	129	1,401	137,556
370,166	138	2,879	19,898	121	1,217	126,026
2,817,269	1,663	32,152	175,595	694	8,050	807,729
2,086,671	800	16,884	106,767	645	6,222	743,499
4,903,941	2,463	49,037	282,361	1,340	14,271	1,551,229

CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CE - Delivery Service	CA - Delivery Service	CA - Delivery Service	CA - Delivery Service
SC	LLF	HLF	Total	40	41	42
1,854	527	3,807	6,187	214	1,088	174
5	432	3,435	3,872	111	615	98
56	369	3,748	4,173	60	357	70
1,256	505	4,916	6,678	228	1,148	158
2,182	669	4,732	7,583	331	1,630	199
2,111	557	4,399	7,067	282	1,375	186
1,940	545	4,982	7,467	224	1,099	150
1,524	576	4,530	6,630	324	1,543	194
8	722	3,674	4,404	453	2,155	265
59	578	3,930	4,566	267	1,288	167
1,655	582	4,952	7,188	280	1,380	190
2,198	650	5,572	8,420	322	1,577	207
1,969	576	5,602	8,147	250	1,238	189
1,863	376	5,125	7,363	84	473	111
1,750	372	3,668	5,789	137	709	100
4	398	2,841	3,244	178	903	121
66	358	3,351	3,775	96	526	97
1,908	453	4,184	6,545	216	1,087	155
2,195	479	4,136	6,810	226	1,140	162
2,038	451	4,111	6,600	186	948	141
1,858	313	4,190	6,360	51	312	78
1,514	380	3,131	5,024	44	271	76
2	406	2,942	3,351	250	1,186	147
-	415	2,968	3,383	250	1,185	132
51	390	3,570	4,012	181	878	127
1,509	328	4,412	6,249	63	365	71
1,755	303	3,926	5,984	45	270	56
2,286	294	4,221	6,802	45	271	64
1,837	276	3,626	5,739	45	262	48
1,435	283	3,094	4,812	53	309	63
23	409	3,649	4,081	212	1,029	129
1,854	414	4,557	6,825	184	902	127
1,818	851	4,055	6,724	114	609	82
2,196	357	4,537	7,090	53	329	83
1,915	294	4,502	6,711	45	269	53
1,349	288	3,780	5,417	45	268	49
1	274	3,739	4,014	53	311	56
42	363	3,473	3,878	114	597	92
1,731	331	4,371	6,434	67	365	75
1,673	318	4,420	6,410	47	290	86
2,180	332	4,798	7,310	84	466	77
1,902	306	4,472	6,681	48	290	56
2,040	258	3,870	6,169	60	330	72
1,918	287	3,168	5,372	113	555	96

43	354	3,466	3,864	162	747	105
1,860	362	4,251	6,473	117	561	96
1,780	334	4,474	6,588	102	553	105
1,939	309	4,072	6,321	64	356	63
2,080	286	4,049	6,416	51	291	51
1,814	257	3,437	5,508	52	291	45
1,672	247	2,684	4,602	52	290	43
168	263	3,276	3,706	52	295	54
1,654	294	4,277	6,225	52	307	56
1,842	279	4,089	6,211	53	304	68
1,933	294	3,944	6,171	54	310	63
2,172	283	3,727	6,182	54	310	73
1,905	267	3,761	5,934	54	300	63
2,182	261	3,038	5,482	54	304	58
1,997	267	2,960	5,224	54	299	70
1,680	310	3,531	5,521	74	397	71
2,260	302	3,775	6,337	54	317	67
1,987	277	4,281	6,545	54	312	64
1,784	248	3,147	5,180	54	303	73
1,888	269	2,833	4,989	74	380	74
3	253	2,838	3,094	54	299	65
3	255	3,099	3,357	54	303	70
1,657	283	3,834	5,774	74	380	96
1,765	264	4,315	6,344	53	307	81
2,451	260	4,033	6,744	53	307	71
1,953	242	3,950	6,145	53	300	63
1,919	241	3,275	5,435	53	303	57
1,810	224	2,632	4,666	53	308	51
43	230	3,202	3,476	53	301	56
1,729	254	3,999	5,982	54	314	68
2,188	266	3,926	6,381	53	322	73
2,069	276	3,967	6,313	80	402	94
2,089	297	4,148	6,535	272	1,177	90
1,893	276	3,242	5,411	54	307	72
1,856	235	2,561	4,651	54	300	56
209	225	3,098	3,533	54	304	66
1,591	243	4,110	5,944	55	305	59
1,712	256	4,161	6,129	56	304	64
2,035	258	4,305	6,598	56	304	73
2,152	246	3,952	6,350	55	311	66
1,771	247	3,574	5,592	55	301	68
2,077	234	2,964	5,274	55	301	72
43	238	3,277	3,558	55	302	57
1,514	235	3,821	5,570	55	310	63
2,188	229	3,803	6,221	55	310	69
1,996	234	3,963	6,193	55	308	69
1,887	269	3,845	6,001	55	318	73

1,778	243	4,267	6,287	55	309	72
1,801	242	3,541	5,584	55	299	59
34	239	3,354	3,627	55	307	59
1,792	249	4,054	6,095	55	308	68
1,696	254	4,140	6,091	55	314	82
1,990	267	4,464	6,721	55	312	76
1,888	290	4,181	6,359	56	313	81
2,230	267	3,241	5,738	57	315	62
1,005	248	2,720	3,973	57	314	72
3	237	3,403	3,643	57	309	64
1,798	247	4,339	6,384	57	320	68
2,058	239	4,239	6,537	57	320	68
1,803	244	4,145	6,191	57	319	72
2,142	263	4,332	6,738	57	322	81
1,911	251	3,210	5,372	56	312	86
1,740	261	2,500	4,501	56	312	70
219	270	3,155	3,645	56	313	72
1,944	273	4,339	6,556	56	325	82
2,161	279	4,174	6,614	56	322	86
1,866	314	4,378	6,558	156	595	103
1,902	302	3,934	6,139	75	393	102
1,913	263	3,476	5,651	54	312	70
1,776	254	2,737	4,767	54	314	68
261	250	3,287	3,797	54	316	73
2,079	260	4,060	6,398	54	322	68
1,994	291	4,321	6,606	53	317	85
1,928	330	4,323	6,581	78	432	106
1,899	333	4,298	6,531	102	572	113
1,882	302	3,779	5,962	53	320	80
1,749	291	2,975	5,015	64	365	71
271	319	3,512	4,102	102	579	107
1,911	324	4,867	7,102	78	437	93
1,768	317	4,709	6,793	53	322	86
2,199	316	3,947	6,461	53	329	84
1,737	326	4,412	6,475	53	321	92
1,823	305	3,416	5,544	64	360	86
1,566	322	2,819	4,706	64	364	82
3	301	2,841	3,145	64	359	91
281	307	3,756	4,344	53	316	79
2,028	320	5,211	7,559	51	317	84
2,142	316	4,924	7,383	49	306	80
1,939	312	4,508	6,759	49	303	85
1,929	364	4,634	6,926	140	741	114
1,587	383	3,661	5,631	156	817	118
168	317	3,777	4,262	49	299	74
1,919	419	4,794	7,131	183	982	141
2,273	467	4,596	7,337	193	1,068	162

1,999	373	4,291	6,664	65	400	157
1,761	370	4,409	6,540	65	395	148
1,885	463	3,492	5,840	193	1,075	207
1,721	517	3,159	5,397	246	1,360	251
252	562	3,851	4,666	273	1,512	272
2,208	605	4,996	7,810	260	1,487	280
2,336	487	4,704	7,527	112	703	172
1,921	421	4,678	7,020	55	377	143
1,882	390	4,109	6,382	55	374	125
1,955	417	3,907	6,279	99	630	138
1,953	381	3,311	5,645	64	431	138
1	344	3,318	3,664	47	333	106
1,985	361	4,875	7,220	47	337	113
2,351	353	4,088	6,792	47	328	112
1,896	437	4,510	6,843	75	501	161
1,958	470	4,337	6,765	99	636	182
1,996	559	3,930	6,484	221	1,297	251
1,614	528	3,156	5,298	194	1,150	234
313	510	3,498	4,321	194	1,152	218
2,024	541	4,537	7,102	194	1,158	249
2,372	492	4,421	7,285	127	818	188
1,830	518	4,405	6,753	128	810	219
1,925	668	4,516	7,109	304	1,757	357
1,948	567	3,674	6,189	201	1,213	252
1,777	433	2,849	5,059	54	388	138
263	637	3,303	4,204	274	1,615	293
2,014	609	3,773	6,396	246	1,447	298
2,358	621	4,046	7,026	234	1,385	306
1,999	606	4,902	7,506	190	1,169	296
1,810	445	4,636	6,891	75	511	155
1,883	598	3,625	6,106	222	1,273	280
1,662	737	3,163	5,562	375	2,099	412
316	714	3,834	4,864	298	1,725	380
1,891	625	4,510	7,026	228	1,298	265
2,375	527	4,618	7,521	133	808	186
1,982	551	4,653	7,187	185	1,063	219
1,904	476	4,484	6,864	154	882	182
2,036	513	3,565	6,114	155	890	192
1,846	611	2,998	5,454	275	1,485	299
277	813	3,616	4,706	429	2,249	456
1,715	787	4,502	7,004	361	1,980	426
2,288	766	4,282	7,336	361	1,954	409
2,158	828	4,293	7,280	413	2,229	438
1,984	916	4,449	7,349	481	2,572	511
2,067	1,188	4,511	7,766	670	3,491	648
2,456	1,057	3,856	7,368	533	2,801	527
602	852	3,692	5,146	396	2,125	404

1,856	1,096	4,862	7,814	601	3,187	619
2,298	1,074	5,376	8,748	596	3,132	604
2,442	924	5,134	8,501	448	2,366	482
2,027	538	4,410	6,975	109	704	213
2,020	491	3,651	6,161	94	607	174
2,107	481	2,960	5,548	144	844	206
613	625	3,555	4,794	270	1,467	279
1,765	650	4,520	6,935	289	1,559	328
2,378	474	4,030	6,882	69	466	159
2,072	405	3,981	6,458	51	343	123
2,062	734	4,409	7,205	383	2,006	406
2,011	914	4,223	7,147	531	2,716	489
2,337	961	3,524	6,822	568	2,897	483
623	788	3,528	4,938	366	1,952	395
2,192	892	4,896	7,981	459	2,411	486
2,508	1,056	4,808	8,372	623	3,130	597
2,208	1,310	5,156	8,674	861	4,270	776
2,129	1,020	4,555	7,704	525	2,654	544
2,260	687	3,768	6,715	291	1,497	318
2,469	831	3,486	6,787	488	2,372	386
2,097	808	3,414	6,319	429	2,148	398
2,446	978	4,364	7,788	588	2,917	556
2,233	1,166	5,328	8,727	747	3,642	665
1,313	1,018	4,213	6,544	588	2,880	576
17	884	3,045	3,945	529	2,608	485
15	759	2,922	3,696	410	2,047	408
15	877	3,091	3,983	529	2,598	450
264	938	3,882	5,084	569	2,816	524
2,079	654	4,024	6,757	252	1,331	293
2,321	748	4,168	7,237	449	2,216	448
2,086	952	4,901	7,939	607	2,969	592
2,000	881	4,754	7,635	508	2,511	526
1,872	817	3,775	6,463	433	2,129	439
2,227	1,059	3,739	7,025	772	3,626	530
655	1,138	4,080	5,873	812	3,870	654
2,109	1,212	4,642	7,963	797	3,860	706
2,306	1,242	4,824	8,372	862	4,186	749
2,218	1,109	4,936	8,263	701	3,425	645
1,985	1,096	4,855	7,936	704	3,407	647
2,056	985	4,099	7,140	626	2,991	552
2,242	909	3,345	6,496	545	2,608	455
620	935	3,447	5,002	585	2,826	516
2,033	1,091	4,830	7,954	727	3,517	660
2,396	1,335	5,759	9,490	1,013	4,817	826
2,343	1,396	5,382	9,120	1,035	4,919	834
2,025	1,407	5,101	8,533	996	4,725	809
2,097	1,358	4,828	8,284	972	4,619	768

2,028	1,220	4,065	7,313	850	4,026	616
2,497	1,190	3,948	7,636	809	3,884	639
2,095	1,112	4,037	7,244	732	3,537	662
2,055	1,033	4,090	7,178	688	3,295	643
1,707	1,095	3,932	6,734	728	3,482	710
15	742	3,112	3,868	382	1,893	384
47	776	3,140	3,962	483	2,330	369
1,045	1,114	3,566	5,724	810	3,806	607
1,988	1,104	3,883	6,975	708	3,396	654
2,395	993	3,904	7,291	585	2,853	609
2,529	1,262	4,598	8,389	952	4,480	786
1,952	1,059	3,655	6,666	646	3,114	622
306	1,060	3,468	4,834	687	3,301	615
92	1,014	3,270	4,376	667	3,184	533
1,919	1,102	3,390	6,411	748	3,558	561
2,073	1,124	3,683	6,880	748	3,587	635
1,694	1,099	4,563	7,356	748	3,624	680
2,089	1,128	4,516	7,732	773	3,700	679
2,333	1,078	4,278	7,690	734	3,522	660
2,246	1,128	4,416	7,790	796	3,787	695
2,219	1,143	4,203	7,565	839	3,940	664
1,784	1,088	3,895	6,767	756	3,573	562
432	1,165	4,246	5,843	797	3,813	663
2,298	1,138	4,485	7,921	756	3,650	701
2,333	1,007	4,364	7,704	674	3,245	625
1,993	1,013	4,421	7,427	674	3,252	612
2,142	1,015	4,433	7,590	656	3,144	588
2,378	927	3,908	7,214	595	2,827	518
2,024	888	3,171	6,083	595	2,820	462
332	953	3,544	4,828	616	2,929	539
2,021	1,059	4,475	7,555	783	3,708	690
2,142	1,074	4,692	7,908	739	3,579	689
2,126	1,208	4,917	8,251	885	4,221	772
2,007	1,210	4,755	7,971	821	3,957	746
2,380	1,049	4,194	7,623	738	3,511	617
2,111	1,400	4,372	7,883	1,151	5,375	802
312	1,434	4,596	6,343	1,027	4,853	819
2,127	1,331	5,294	8,752	899	4,326	829
2,544	1,183	5,024	8,751	776	3,758	707
2,111	1,109	4,826	8,047	714	3,468	656
1,993	1,466	5,347	8,806	1,084	5,148	894
2,118	1,649	5,242	9,009	1,222	5,805	1,000
2,205	1,636	5,014	8,856	1,181	5,609	939
508	1,540	4,960	7,008	1,018	4,889	887
1,042	1,396	4,597	7,035	875	4,251	797
1,542	1,245	4,296	7,083	773	3,759	705
2,129	1,167	4,582	7,879	709	3,491	665

2,091	1,263	4,691	8,044	788	3,864	735
1,939	1,184	4,153	7,275	718	3,551	624
2,121	1,212	4,008	7,341	778	3,812	630
622	1,333	4,203	6,158	897	4,407	731
1,681	1,523	5,489	8,693	975	4,806	857
1,435	1,599	4,912	7,947	974	4,802	847
2,230	1,418	4,856	8,504	931	4,610	808
2,121	1,532	4,812	8,466	1,065	5,241	891
1,655	1,500	4,430	7,585	986	4,870	834
2,140	1,313	3,671	7,124	848	4,175	630
554	1,276	3,897	5,727	769	3,845	651
1,991	1,302	4,354	7,647	712	3,585	700
2,488	1,324	4,580	8,392	787	3,919	708
2,206	1,448	5,034	8,689	903	4,464	806
2,019	1,435	5,027	8,481	841	4,184	766
2,023	1,378	4,631	8,033	837	4,141	708
2,205	1,358	4,034	7,597	895	4,391	678
1,485	1,388	4,343	7,217	837	4,157	720
2,025	1,252	4,272	7,548	679	3,412	658
2,286	1,042	4,448	7,777	609	3,023	568
2,132	613	4,046	6,791	492	2,471	489
2,063	860	4,508	7,431	745	3,655	654
1,998	958	4,473	7,429	706	3,452	628
2,302	1,101	3,792	7,195	609	3,007	527
1,402	885	3,739	6,025	550	2,743	493
2,157	989	4,829	7,976	920	4,481	726
2,359	1,183	5,140	8,682	959	4,697	838
2,115	1,113	4,488	7,716	648	3,216	600
1,994	1,355	4,904	8,253	940	4,560	748
2,071	1,419	4,777	8,268	979	4,755	771
2,313	1,267	4,313	7,893	881	4,267	664
536	1,283	4,294	6,113	803	3,933	666
1,924	1,198	4,778	7,900	661	3,281	630
2,309	1,009	4,540	7,857	561	2,795	531
1,953	988	4,455	7,395	542	2,682	501
1,911	667	3,819	6,397	180	986	263
2,036	822	3,590	6,448	464	2,271	390
2,329	924	3,458	6,712	635	3,071	465
1,483	1,332	4,276	7,092	957	4,632	699
2,270	1,620	5,566	9,456	1,005	4,986	863
2,385	1,238	4,948	8,572	704	3,506	643
2,108	984	4,298	7,390	531	2,641	487
2,054	1,059	4,224	7,337	582	2,889	541
2,094	1,121	4,413	7,628	664	3,275	594
2,461	933	3,622	7,017	465	2,302	415
1,402	934	3,828	6,165	447	2,249	424
2,045	903	4,018	6,966	464	2,322	434

2,358	829	3,858	7,045	367	1,869	376
1,937	768	3,765	6,470	336	1,746	352
1,934	693	3,783	6,410	266	1,405	312
2,021	606	3,492	6,119	199	1,073	247
2,361	759	3,633	6,754	400	2,020	340
1,071	871	3,763	5,705	451	2,317	412
2,176	1,048	4,982	8,207	484	2,478	512
2,244	789	4,421	7,453	383	1,979	382
1,849	605	4,082	6,537	199	1,078	251
2,052	1,015	4,738	7,805	587	2,992	564
2,077	1,064	4,369	7,510	621	3,119	594
2,190	933	3,769	6,892	520	2,605	472
2,255	714	3,547	6,515	301	1,570	345
1,910	837	4,332	7,079	402	2,076	431
2,239	706	4,039	6,984	315	1,634	337
2,031	641	4,020	6,692	230	1,229	268
1,890	711	4,230	6,832	327	1,678	326
2,131	620	3,916	6,667	278	1,429	263
2,031	519	3,180	5,731	196	1,029	203
2,360	756	3,834	6,949	392	2,008	363
2,110	826	4,696	7,632	392	2,056	410
2,302	661	4,398	7,361	276	1,458	293
2,087	727	4,450	7,264	340	1,779	365
1,951	829	4,295	7,076	424	2,195	431
2,239	982	4,378	7,599	554	2,837	546
2,397	798	3,537	6,732	407	2,089	393
2,123	743	3,877	6,743	358	1,868	367
2,177	689	4,567	7,433	260	1,404	315
2,297	577	4,800	7,674	179	999	251
1,690	784	4,935	7,409	422	2,205	413
2,048	939	5,270	8,257	526	2,727	539
933	677	4,452	6,062	261	1,406	315
3	487	3,222	3,712	114	670	188
546	706	3,939	5,192	343	1,785	337
2,338	783	5,154	8,275	409	2,061	435
2,324	604	4,287	7,215	195	1,039	265
1,865	645	4,237	6,747	277	1,432	306
1,951	717	4,110	6,777	327	1,684	381
2,157	655	3,958	6,770	310	1,598	317
-	224	2,500	3,094	44	262	43
1,727	699	4,092	6,517	367	1,841	341
2,544	1,649	5,759	9,490	1,222	5,805	1,000
2,544	1,424	3,259	6,396	1,178	5,543	957

1,370	303	3,751	5,425	40	259	63
1,739	288	3,846	5,873	55	312	63
1,625	339	4,127	6,090	52	332	100
1,863	340	4,033	6,236	11	214	91
1,761	394	3,466	5,620	30	281	115
686	356	2,486	3,528	8	167	161
1,992	283	2,742	5,018	37	255	145
2,302	107	3,085	5,494	20	159	141
1,990	451	3,339	5,780	(8)	93	112
1,552	401	3,722	5,675	43	306	116
(11)	14	27	30	13	61	6
(56)	22	26	(9)	12	53	6
6	12	(1)	18	12	65	9
(6)	21	(0)	14	17	85	15
(2)	20	29	47	18	89	14
33	21	50	104	20	95	13
(4)	23	43	62	20	93	14
(11)	29	34	52	20	95	14
1	19	31	51	20	94	14
21	18	26	64	16	78	13
0.01	0.83	0.09	0.03	0.99	0.99	0.94
0.06	0.34	0.02	0.00	0.90	0.92	0.62
0.00	0.77	0.00	0.01	0.98	0.99	0.77
0.01	0.92	0.00	0.01	0.98	0.99	0.95
0.00	0.98	0.20	0.13	0.98	0.99	0.97
0.15	0.97	0.40	0.42	0.99	0.99	0.84
0.00	0.95	0.40	0.23	0.99	1.00	0.86
0.03	0.80	0.30	0.22	0.99	0.99	0.85
0.00	0.87	0.52	0.50	0.99	0.99	0.95
0.09	0.96	0.15	0.31	0.99	0.99	0.96
38,909	13,973	125,423	178,304	5,708	28,618	4,125
49,600	9,643	116,556	175,799	2,183	11,813	2,154
50,042	7,806	112,423	170,271	1,965	10,610	2,144
49,646	8,453	117,479	175,578	1,987	10,929	2,446
49,468	11,572	123,701	184,742	2,976	17,445	3,983

55,040	19,912	124,941	199,893	8,009	45,306	9,464
51,459	24,885	122,806	199,150	12,802	65,693	12,823
56,249	33,429	130,861	220,539	22,207	106,617	19,271
57,088	36,359	136,494	229,940	25,209	120,363	21,422
51,930	35,306	123,877	211,113	22,286	110,086	19,510
62,261	31,313	132,359	225,933	18,077	89,761	16,074
58,705	22,344	126,538	207,587	10,541	54,662	11,030
337,692	183,637	772,934	1,294,262	111,121	547,181	100,130
292,705	71,360	720,523	1,084,588	22,829	124,721	24,316
630,397	254,997	1,493,457	2,378,850	133,949	671,902	124,445

39,161	13,650	124,779	177,589	5,394	27,166	3,971
47,362	10,514	117,579	175,456	2,654	13,932	2,375
50,042	7,806	112,423	170,271	1,965	10,610	2,144
49,646	8,453	117,479	175,578	1,987	10,929	2,446
49,487	11,609	123,699	184,795	3,013	17,641	4,009
55,109	19,673	124,943	199,725	7,812	44,318	9,294
51,207	27,320	126,314	204,841	15,019	76,357	14,566
58,010	34,556	133,567	226,132	23,312	111,721	19,990
56,686	38,731	140,924	236,341	27,279	130,041	22,878
51,674	35,967	124,644	212,285	22,730	112,246	19,828
62,311	32,819	134,864	229,994	19,667	97,305	17,168
59,295	22,845	127,262	209,402	10,990	56,872	11,397
339,181	192,239	787,574	1,318,995	118,998	584,543	105,827
290,807	71,706	720,902	1,083,415	22,826	124,595	24,240
629,989	263,944	1,508,476	2,402,409	141,824	709,139	130,067

1,022	627	3,341	4,990	(47)	245	167
18	16	32	66	21	93	13
0.02	0.38	0.10	0.11	0.91	0.95	0.57
2,436	1,944	5,876	10,255	1,655	7,700	1,232
23.75%	18.95%	57.29%	100.00%	11.76%	54.72%	8.75%

2,463	1,966	5,941	10,370	1,674	7,786	1,246
629,989	263,944	1,508,476	2,402,409	141,824	709,139	130,067
70.1%	36.8%	69.6%	63.5%	23.2%	25.0%	28.6%

39,150	13,663	124,806	177,619	5,407	27,227	3,978
47,698	10,384	117,425	175,507	2,583	13,614	2,342
51,674	35,967	124,644	212,285	22,730	112,246	19,828
62,311	32,819	134,864	229,994	19,667	97,305	17,168
49,576	11,780	123,686	185,042	3,184	18,551	4,130
55,061	19,837	124,942	199,840	7,947	44,995	9,411
50,974	29,564	129,548	210,086	17,063	86,186	16,173
62,937	37,710	141,143	241,790	26,407	126,010	22,000

55,934	43,166	149,204	248,305	31,149	148,130	25,599
49,843	40,695	130,127	220,664	25,907	127,700	22,107
62,395	35,359	139,087	236,841	22,350	110,026	19,013
59,379	22,916	127,364	209,659	11,054	57,185	11,449
341,462	209,409	816,473	1,367,345	133,929	655,237	116,341
305,470	124,451	750,366	1,180,287	61,518	313,938	56,857
646,932	333,860	1,566,839	2,547,632	195,447	969,176	173,198

CA - Delivery Service 50	CA - Delivery Service 51	CA - Delivery Service 52	CA - Delivery Service SC	CA - Delivery Service LLF	CA - Delivery Service HLF	CA - Delivery Service Total
38	396	299	124	1,476	733	2,333
34	347	216	330	824	597	1,751
32	312	221	474	487	565	1,525
39	383	403	1,473	1,534	825	3,832
48	436	437	1,504	2,160	920	4,584
51	417	493	1,524	1,842	961	4,327
48	390	436	1,504	1,473	873	3,849
52	441	311	1,401	2,062	804	4,266
58	511	282	1,308	2,872	851	5,031
49	412	310	1,328	1,722	770	3,820
51	422	456	1,421	1,850	929	4,200
54	462	459	1,411	2,106	975	4,492
50	438	477	1,401	1,677	964	4,042
41	326	377	1,287	668	745	2,700
44	357	258	1,349	947	660	2,956
46	380	213	1,349	1,202	639	3,190
42	356	272	1,401	719	669	2,789
50	432	459	1,586	1,458	941	3,984
50	445	454	1,617	1,528	950	4,095
50	417	317	1,401	1,276	785	3,461
42	319	235	1,390	441	596	2,428
43	312	208	1,298	392	563	2,252
60	454	252	1,308	1,583	766	3,657
60	455	258	1,308	1,567	773	3,648
53	412	265	1,380	1,186	730	3,295
44	344	380	1,483	499	768	2,750
43	326	416	1,504	371	785	2,659
43	328	288	1,534	380	659	2,574
43	327	208	1,339	355	578	2,271
44	332	186	1,298	425	562	2,285
56	440	324	1,390	1,369	820	3,579
53	421	427	1,524	1,212	902	3,638
48	380	391	1,565	805	819	3,189
44	359	431	1,493	465	833	2,792
43	328	294	1,432	367	664	2,463
43	327	216	1,359	362	586	2,307
44	342	210	1,267	420	595	2,282
48	404	240	1,359	803	692	2,855
46	375	211	1,627	507	632	2,767
45	355	219	1,617	423	620	2,659
48	395	284	597	627	727	1,952
46	375	302	628	394	723	1,745
47	372	191	1,349	461	609	2,420
50	401	191	1,277	764	642	2,683

53	424	274	1,318	1,015	750	3,083
53	434	453	1,576	773	939	3,288
52	426	423	1,638	759	902	3,299
51	409	410	1,607	483	869	2,959
49	383	277	1,607	394	710	2,710
50	388	235	1,380	387	673	2,440
50	390	208	1,277	384	648	2,309
50	414	323	1,339	401	787	2,527
52	419	481	1,741	416	952	3,108
52	418	437	1,761	426	907	3,094
52	425	461	1,514	427	939	2,880
52	402	368	1,555	437	822	2,814
52	396	259	1,401	417	707	2,525
52	398	250	1,256	416	700	2,373
52	423	276	1,339	424	751	2,513
53	437	353	1,576	541	843	2,959
52	423	360	1,565	439	835	2,840
52	422	403	1,532	430	877	2,840
52	406	346	1,450	430	803	2,683
53	409	323	1,327	527	785	2,638
52	398	295	1,214	418	745	2,377
52	400	326	1,275	427	778	2,481
53	431	398	1,635	549	882	3,067
52	421	500	1,666	440	973	3,079
54	418	556	1,779	432	1,029	3,240
55	402	503	1,656	417	960	3,032
55	402	348	1,450	413	805	2,668
55	402	279	1,296	412	736	2,444
55	423	364	1,388	410	842	2,640
55	428	544	1,635	436	1,028	3,099
56	408	554	1,728	448	1,018	3,194
57	413	541	1,460	576	1,011	3,048
60	430	399	1,409	1,539	889	3,837
56	407	373	710	432	836	1,978
56	407	292	483	411	755	1,649
56	406	314	720	423	775	1,919
56	410	478	1,440	419	945	2,804
57	410	496	1,471	423	962	2,856
56	433	586	1,501	433	1,075	3,009
56	417	454	1,594	432	927	2,952
56	407	297	1,429	423	760	2,613
56	406	229	1,255	427	692	2,373
56	433	262	1,244	414	751	2,409
56	425	373	1,543	427	854	2,824
56	415	459	1,460	434	930	2,824
56	413	442	1,573	432	912	2,917
56	416	295	1,532	445	768	2,745

56	411	258	1,347	436	725	2,509
56	411	215	1,143	412	683	2,238
56	416	287	1,174	421	760	2,355
56	416	443	1,463	431	915	2,809
56	421	571	1,494	451	1,047	2,991
56	415	451	587	442	922	1,951
59	415	510	1,133	450	984	2,567
58	418	320	1,411	434	797	2,642
58	418	264	1,236	443	740	2,419
58	422	335	1,308	430	815	2,553
58	426	476	1,751	445	960	3,156
58	426	488	1,473	445	972	2,890
58	428	517	1,391	449	1,003	2,842
59	421	534	1,463	461	1,014	2,937
59	421	341	1,349	454	821	2,625
59	421	294	1,133	438	774	2,345
59	426	357	1,195	441	842	2,478
59	445	518	1,524	463	1,022	3,010
60	465	503	1,452	463	1,027	2,943
65	485	582	1,504	853	1,132	3,489
64	454	449	1,421	570	967	2,959
64	440	325	1,360	436	830	2,625
64	441	302	1,257	436	807	2,500
64	451	427	1,298	443	942	2,683
64	472	553	1,555	443	1,089	3,087
64	474	549	1,452	456	1,087	2,995
65	486	487	1,524	616	1,038	3,178
65	480	438	1,483	787	983	3,253
64	447	345	1,288	453	856	2,596
64	461	356	1,143	500	882	2,525
65	495	349	1,257	788	909	2,954
64	492	560	1,494	608	1,116	3,218
63	475	583	1,408	461	1,121	2,990
63	474	603	1,532	466	1,140	3,138
63	459	423	1,614	466	944	3,024
64	455	313	1,326	511	831	2,668
64	454	257	1,192	510	775	2,477
64	457	302	1,316	514	823	2,652
63	469	412	1,419	448	944	2,811
63	459	565	1,460	452	1,088	3,000
65	451	594	1,511	435	1,110	3,057
65	451	436	1,532	437	952	2,921
68	501	377	1,367	995	946	3,308
68	507	327	1,203	1,091	902	3,196
65	443	364	1,254	421	871	2,547
67	525	566	1,480	1,307	1,158	3,945
69	535	585	1,542	1,423	1,189	4,154

64	451	579	1,552	622	1,095	3,269
64	449	495	1,563	609	1,009	3,180
70	536	348	1,449	1,475	954	3,878
71	567	344	1,378	1,857	982	4,217
72	591	442	1,563	2,057	1,105	4,725
69	600	611	1,686	2,027	1,280	4,993
62	508	576	1,573	987	1,145	3,705
59	473	572	1,552	576	1,104	3,231
59	463	533	1,563	555	1,055	3,172
64	480	357	1,439	867	900	3,206
62	451	323	1,223	632	836	2,692
61	456	395	1,234	485	912	2,631
61	460	423	1,449	497	943	2,890
61	461	413	1,398	486	935	2,820
63	479	441	1,552	737	983	3,272
64	476	431	1,646	917	970	3,533
68	550	412	1,543	1,769	1,030	4,342
67	535	316	1,409	1,578	918	3,906
67	559	438	1,502	1,564	1,064	4,130
67	561	598	1,790	1,601	1,226	4,617
65	515	605	1,759	1,134	1,185	4,078
65	517	557	1,543	1,157	1,138	3,838
72	598	585	1,605	2,418	1,256	5,279
69	528	398	1,451	1,666	995	4,112
63	440	278	1,296	580	781	2,657
72	572	463	1,430	2,182	1,107	4,719
70	579	586	1,667	1,991	1,236	4,894
70	578	663	1,636	1,924	1,310	4,870
68	555	623	1,605	1,655	1,246	4,506
64	481	541	1,574	740	1,086	3,400
71	550	408	1,595	1,775	1,030	4,399
77	626	383	1,461	2,886	1,085	5,432
74	601	454	1,605	2,403	1,129	5,137
71	571	575	1,800	1,791	1,217	4,809
68	516	632	1,780	1,127	1,216	4,123
70	548	668	1,656	1,466	1,285	4,408
69	528	583	1,656	1,217	1,180	4,054
70	530	392	1,605	1,237	992	3,834
74	564	351	1,533	2,060	988	4,581
79	637	508	1,553	3,134	1,224	5,912
77	610	664	1,800	2,767	1,350	5,918
77	633	630	1,687	2,725	1,339	5,751
78	661	667	1,636	3,079	1,406	6,120
81	696	656	1,749	3,565	1,433	6,747
87	767	534	1,543	4,809	1,389	7,741
82	695	477	1,451	3,860	1,255	6,566
78	631	526	1,456	2,924	1,234	5,614

85	753	674	1,663	4,407	1,512	7,581
81	741	716	1,632	4,331	1,538	7,501
76	667	733	1,539	3,296	1,477	6,311
67	486	581	1,518	1,026	1,134	3,678
67	469	392	1,487	875	928	3,290
68	495	364	1,363	1,194	927	3,484
72	554	505	1,497	2,016	1,131	4,645
73	589	659	1,694	2,176	1,321	5,190
69	464	617	1,528	694	1,150	3,373
69	470	632	1,549	517	1,170	3,236
78	628	574	1,632	2,795	1,280	5,707
82	673	519	1,518	3,737	1,275	6,529
83	690	464	1,404	3,948	1,236	6,588
78	620	491	1,570	2,713	1,189	5,471
79	662	649	1,725	3,356	1,389	6,469
83	734	735	1,683	4,351	1,552	7,586
92	837	830	1,621	5,907	1,759	9,287
81	662	715	1,590	3,723	1,457	6,771
76	555	648	1,497	2,106	1,278	4,882
80	636	525	1,343	3,246	1,242	5,830
79	638	504	1,425	2,974	1,221	5,621
84	697	624	1,683	4,062	1,405	7,150
88	741	656	1,683	5,054	1,485	8,222
84	675	598	1,570	4,045	1,357	6,971
83	649	501	1,528	3,622	1,233	6,383
80	598	478	1,570	2,865	1,156	5,591
83	650	486	1,394	3,577	1,219	6,190
84	694	600	1,446	3,909	1,377	6,732
76	571	672	1,694	1,875	1,319	4,888
81	627	774	1,654	3,113	1,482	6,249
85	701	814	1,613	4,168	1,599	7,380
82	640	772	1,581	3,546	1,494	6,622
78	608	668	1,488	3,001	1,354	5,843
88	751	601	1,332	4,928	1,440	7,699
89	777	660	1,467	5,336	1,526	8,329
89	796	852	1,696	5,363	1,737	8,796
94	828	865	1,665	5,798	1,786	9,249
89	745	786	1,613	4,771	1,620	8,004
89	738	804	1,644	4,758	1,631	8,033
90	697	717	1,509	4,170	1,505	7,183
91	666	553	1,332	3,607	1,310	6,249
90	689	524	1,373	3,928	1,303	6,605
91	776	654	1,696	4,904	1,522	8,122
103	896	813	1,550	6,656	1,811	10,017
103	888	674	614	6,788	1,665	9,067
101	850	619	583	6,529	1,570	8,682
100	844	598	749	6,359	1,542	8,650

95	800	532	728	5,492	1,426	7,646
93	786	555	812	5,332	1,434	7,578
90	769	607	905	4,931	1,466	7,303
89	731	539	916	4,625	1,359	6,900
88	747	565	707	4,920	1,400	7,028
93	616	450	635	2,659	1,160	4,454
91	655	436	603	3,182	1,182	4,967
91	776	482	666	5,222	1,348	7,236
88	750	516	759	4,757	1,354	6,871
90	716	523	1,040	4,047	1,329	6,417
97	860	599	1,446	6,218	1,557	9,221
89	724	541	1,488	4,382	1,354	7,224
89	730	518	1,488	4,603	1,337	7,427
89	724	471	1,384	4,384	1,284	7,052
89	758	494	1,321	4,867	1,341	7,529
89	767	497	1,425	4,970	1,353	7,748
89	783	573	1,602	5,052	1,445	8,099
88	790	595	1,654	5,152	1,473	8,278
87	781	580	1,550	4,916	1,448	7,914
90	796	544	1,550	5,278	1,430	8,258
92	795	508	1,394	5,443	1,394	8,232
89	759	461	1,259	4,891	1,308	7,458
90	803	553	1,332	5,273	1,447	8,052
89	789	755	1,581	5,107	1,633	8,321
91	751	747	1,675	4,544	1,589	7,808
91	754	637	1,571	4,538	1,482	7,590
92	731	648	1,706	4,388	1,472	7,566
97	719	508	1,488	3,940	1,324	6,751
97	720	463	1,384	3,877	1,280	6,541
96	751	502	1,436	4,084	1,350	6,869
91	793	686	1,675	5,180	1,570	8,425
92	779	773	1,623	5,007	1,644	8,273
97	857	805	1,592	5,878	1,759	9,228
95	818	678	1,644	5,524	1,592	8,759
95	778	559	1,560	4,866	1,431	7,858
110	943	549	1,425	7,327	1,602	10,354
105	922	660	1,477	6,699	1,686	9,862
100	876	811	1,633	6,054	1,788	9,475
96	821	846	1,602	5,241	1,762	8,606
96	803	832	1,540	4,838	1,731	8,109
108	926	797	1,508	7,126	1,830	10,464
113	997	630	1,685	8,027	1,740	11,452
112	978	601	1,623	7,730	1,691	11,044
105	935	672	1,716	6,794	1,712	10,223
100	866	697	1,664	5,923	1,662	9,249
96	826	784	1,602	5,237	1,706	8,545
97	806	771	1,654	4,866	1,674	8,193

96	849	778	1,685	5,386	1,723	8,794
94	810	599	1,612	4,893	1,503	8,008
95	822	500	1,539	5,219	1,417	8,176
100	897	633	1,519	6,036	1,630	9,185
103	915	864	1,810	6,638	1,882	10,329
103	914	887	1,706	6,623	1,904	10,233
101	903	836	1,737	6,349	1,840	9,926
106	986	808	1,706	7,198	1,900	10,804
103	924	633	1,685	6,690	1,660	10,035
97	861	560	1,644	5,653	1,518	8,814
94	826	601	1,675	5,265	1,521	8,461
92	831	795	1,789	4,997	1,718	8,505
94	874	813	1,664	5,414	1,782	8,860
99	927	821	1,696	6,173	1,846	9,715
97	899	684	1,737	5,791	1,680	9,208
96	883	573	1,581	5,686	1,552	8,818
98	900	507	1,467	5,964	1,505	8,935
96	903	639	1,529	5,713	1,637	8,879
89	834	795	1,685	4,750	1,718	8,153
89	786	764	1,519	4,200	1,639	7,357
91	734	889	1,498	3,452	1,714	6,665
90	836	703	1,654	5,053	1,629	8,336
89	809	579	1,446	4,786	1,478	7,710
89	766	522	1,342	4,143	1,378	6,862
90	765	559	1,425	3,786	1,413	6,625
98	932	766	1,631	6,126	1,796	9,553
99	954	802	1,765	6,494	1,855	10,114
89	804	699	1,631	4,463	1,592	7,686
98	919	650	1,703	6,247	1,668	9,618
100	929	587	1,527	6,506	1,616	9,649
96	887	516	1,424	5,812	1,498	8,735
92	854	642	1,455	5,402	1,588	8,446
87	814	740	1,744	4,572	1,642	7,958
89	746	762	1,527	3,887	1,597	7,011
87	744	718	1,620	3,725	1,549	6,894
98	557	589	1,558	1,429	1,245	4,232
85	667	490	1,424	3,125	1,242	5,791
82	739	474	1,290	4,170	1,295	6,755
92	910	668	1,269	6,287	1,669	9,226
94	933	897	1,558	6,854	1,924	10,336
82	798	807	1,527	4,853	1,687	8,067
78	725	750	1,465	3,659	1,553	6,677
79	735	592	1,496	4,011	1,406	6,914
82	750	606	1,362	4,533	1,437	7,333
75	648	484	1,311	3,182	1,207	5,700
75	660	544	1,445	3,120	1,279	5,843
75	671	730	1,641	3,220	1,476	6,336

72	633	710	1,620	2,611	1,415	5,646
69	627	618	1,517	2,433	1,315	5,265
66	593	512	1,548	1,983	1,171	4,702
63	538	453	1,352	1,519	1,054	3,925
70	630	411	1,383	2,761	1,111	5,254
72	673	554	1,393	3,180	1,300	5,873
74	693	872	1,589	3,474	1,638	6,702
70	644	817	1,538	2,744	1,531	5,813
63	541	673	1,465	1,528	1,277	4,270
79	721	779	1,214	4,143	1,579	6,937
80	748	581	1,235	4,334	1,410	6,978
76	694	459	1,163	3,597	1,229	5,988
68	608	556	1,328	2,215	1,231	4,774
71	662	897	1,400	2,909	1,630	5,939
73	619	770	1,317	2,285	1,462	5,065
70	566	792	1,338	1,727	1,428	4,493
73	617	701	1,451	2,330	1,391	5,172
71	574	482	1,348	1,969	1,126	4,443
68	527	311	1,297	1,428	905	3,630
75	647	504	1,348	2,763	1,227	5,338
75	648	801	1,379	2,857	1,524	5,760
69	587	732	1,348	2,026	1,388	4,762
72	616	572	1,328	2,485	1,260	5,073
76	639	638	1,338	3,050	1,353	5,741
82	704	525	1,317	3,937	1,310	6,565
75	624	396	1,286	2,889	1,095	5,271
73	624	514	1,410	2,593	1,211	5,214
69	581	626	1,533	1,979	1,275	4,788
65	543	572	1,657	1,429	1,180	4,266
76	645	597	1,575	3,040	1,317	5,932
81	695	614	1,564	3,792	1,390	6,746
68	538	505	1,369	1,981	1,112	4,462
62	463	347	1,307	972	872	3,151
72	605	500	1,400	2,465	1,177	5,041
75	633	764	1,575	2,905	1,471	5,951
65	528	826	1,585	1,499	1,420	4,503
69	574	787	1,513	2,016	1,430	4,959
71	601	594	1,441	2,392	1,266	5,099
70	573	618	1,348	2,226	1,262	4,835
32	312	186	124	355	562	1,525
72	590	519	1,441	2,549	1,181	5,171
113	997	897	1,810	8,027	1,924	11,452
82	685	711	1,686	7,672	1,362	9,927

41	322	268	1,232	362	631	2,225
49	390	307	1,424	430	746	2,600
63	457	451	1,426	485	970	2,881
61	452	482	1,600	315	995	2,911
67	450	495	1,491	427	1,012	2,930
73	440	536	1,527	335	1,049	2,912
67	465	507	1,424	437	1,039	2,900
72	534	622	1,258	320	1,228	2,806
61	445	543	1,454	197	1,049	2,700
61	460	574	1,486	465	1,095	3,046
1	6	6	7	81	13	100
0	3	6	(4)	70	9	76
1	7	0	5	86	8	99
1	8	2	(0)	116	11	127
1	8	4	3	121	13	137
1	9	3	(9)	128	12	131
1	9	3	3	127	13	143
1	8	2	9	129	11	149
1	10	4	2	128	14	144
1	8	2	(5)	107	10	113
0.48	0.90	0.21	0.02	0.99	0.57	0.81
0.05	0.08	0.03	0.00	0.91	0.05	0.28
0.74	0.94	0.00	0.04	0.98	0.14	0.82
0.93	0.96	0.03	0.00	0.99	0.37	0.94
0.91	0.98	0.19	0.08	0.99	0.66	0.98
0.57	0.96	0.04	0.04	0.99	0.42	0.81
0.66	0.95	0.05	0.04	0.99	0.41	0.94
0.79	0.94	0.01	0.30	0.99	0.25	0.93
0.58	0.96	0.12	0.03	0.99	0.64	0.96
0.90	0.94	0.01	0.10	0.99	0.21	0.92
1,456	12,128	10,172	40,420	38,451	23,756	102,627
1,482	11,842	9,456	42,545	16,150	22,779	81,475
1,707	12,832	12,287	43,203	14,719	26,826	84,748
1,878	13,710	13,147	41,715	15,363	28,735	85,813
1,936	14,540	13,558	43,330	24,405	30,034	97,769

2,216	17,776	16,075	49,568	62,779	36,068	148,414
2,357	18,930	17,666	46,502	91,317	38,954	176,774
2,815	23,179	19,611	37,350	148,095	45,604	231,050
2,957	25,198	19,437	47,615	166,994	47,591	262,199
2,683	23,951	19,596	45,270	151,881	46,230	243,380
2,550	22,949	20,132	46,781	123,912	45,631	216,323
2,168	18,404	18,360	41,709	76,233	38,932	156,874
15,530	132,610	114,803	265,227	758,431	262,943	1,286,601
10,676	82,828	74,695	260,781	171,866	168,199	600,845
26,205	215,438	189,498	526,008	930,297	431,141	1,887,446

1,442	11,977	10,042	40,263	36,531	23,461	100,255
1,492	11,959	9,681	42,405	18,961	23,132	84,497
1,707	12,832	12,287	43,203	14,719	26,826	84,748
1,878	13,710	13,147	41,715	15,363	28,735	85,813
1,938	14,561	13,559	43,345	24,663	30,059	98,066
2,208	17,680	16,046	49,569	61,425	35,935	146,928
2,423	19,944	18,189	46,832	105,943	40,557	193,332
2,843	23,659	19,760	36,848	155,023	46,262	238,133
3,031	26,127	19,757	47,914	180,198	48,915	277,027
2,697	24,135	19,641	45,475	154,804	46,472	246,751
2,607	23,743	20,420	46,930	134,141	46,769	227,840
2,184	18,628	18,415	41,570	79,260	39,227	160,057
15,785	136,236	116,182	265,568	809,369	268,203	1,343,140
10,665	82,719	74,762	260,499	171,661	168,147	600,307
26,451	218,955	190,945	526,068	981,030	436,350	1,943,447

57	572	698	1,458	365	1,327	3,150
1	7	(0)	1	127	8	136
0.56	0.59	0.00	0.00	0.93	0.07	0.64
130	1,134	694	1,526	10,587	1,958	14,072
0.93%	8.06%	4.93%	10.85%	75.24%	13.92%	100.00%

132	1,147	702	1,543	10,705	1,980	14,229
26,451	218,955	190,945	526,068	981,030	436,350	1,943,447
55.0%	52.3%	74.5%	93.4%	25.1%	60.4%	37.4%

1,443	11,983	10,047	40,270	36,612	23,473	100,355
1,491	11,941	9,647	42,426	18,539	23,079	84,044
2,697	24,135	19,641	45,475	154,804	46,472	246,751
2,607	23,743	20,420	46,930	134,141	46,769	227,840
1,945	14,663	13,563	43,411	25,865	30,171	99,447
2,214	17,746	16,066	49,568	62,353	36,026	147,947
2,485	20,878	18,671	47,135	119,423	42,034	208,591
2,919	25,005	20,180	35,441	174,417	48,105	257,963

3,171	27,863	20,355	48,474	204,877	51,389	304,740
2,795	25,451	19,959	46,944	175,714	48,206	270,863
2,702	25,083	20,904	47,181	151,389	48,689	247,259
2,187	18,659	18,423	41,551	79,688	39,269	160,508
16,259	142,940	118,492	266,725	905,507	277,692	1,449,924
12,395	104,212	89,384	268,079	432,314	205,991	906,384
28,655	247,152	207,876	534,804	1,337,821	483,683	2,356,308

8,520	8,520	-	8,520	-
5,623	5,623	-	5,623	-
5,699	5,699	-	5,699	-
10,510	10,510	-	10,510	-
12,166	12,166	-	12,166	-
11,395	11,395	-	11,395	-
11,316	11,316	-	11,316	-
10,896	10,896	-	10,896	-
9,435	9,435	-	9,435	-
8,386	8,386	-	8,386	-
11,389	11,389	-	11,389	-
12,912	12,912	-	12,912	-
12,189	12,189	-	12,189	-
10,063	10,063	-	10,063	-
8,745	8,745	-	8,745	-
6,434	6,434	-	6,434	-
6,564	6,564	-	6,564	-
10,529	10,529	-	10,529	-
10,905	10,905	-	10,905	-
10,061	10,061	-	10,061	-
8,788	8,788	-	8,788	-
7,276	7,276	-	7,276	-
7,007	7,007	-	7,007	-
7,031	7,031	-	7,031	-
7,307	7,307	-	7,307	-
8,998	8,998	-	8,998	-
8,643	8,643	-	8,643	-
9,375	9,375	-	9,375	-
8,010	8,010	-	8,010	-
7,097	7,097	-	7,097	-
7,660	7,660	-	7,660	-
10,463	10,463	-	10,463	-
9,913	9,913	-	9,913	-
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9,262	9,262	-	9,262	-
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8,589	8,589	-	8,589	-
8,055	8,055	-	8,055	-

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9,761	9,761	-	9,761	-
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9,126	9,126	-	9,126	-
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9,110	9,110	-	9,110	-
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5,982	5,982	-	5,982	-
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9,082	9,082	-	9,082	-
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14,961	14,961	-	14,961	-
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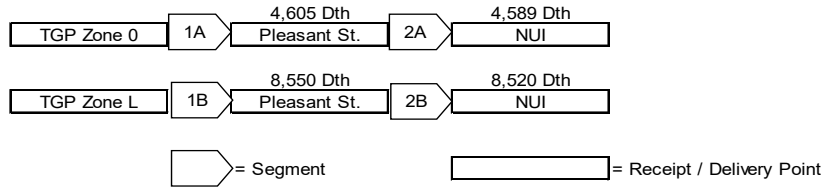
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9,361	9,361	-	9,361	-
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13,392	13,392	-	13,392	-
12,123	12,123	-	12,123	-
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12,817	12,817	-	12,817	-
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13,341	13,341	-	13,341	-
15,003	15,003	-	15,003	-
10,524	10,524	-	10,524	-
6,863	6,863	-	6,863	-
10,233	10,233	-	10,233	-
14,226	14,226	-	14,226	-
11,718	11,718	-	11,718	-
11,706	11,706	-	11,706	-
11,876	11,876	-	11,876	-
11,606	11,606	-	11,606	-

Table 3. Northern Capacity Summary (Dth/Day)

<u>Pipeline Capacity Paths</u>	
Tennessee Zone 0 and Zone L Pools	13,109
Tennessee Niagara	2,327
Iroquois Receipts	6,434
Leidy Hub Supply (Texas Eastern, Algonquin)	965
Transco Zone 6, non-NY Supply (Algonquin)	286
PXP Dawn Hub	9,965
Atlantic Bridge Ramapo	7,500
Total Pipeline Capacity	40,586
<u>Storage Capacity Paths</u>	
Tennessee Firm Storage	2,644
Dawn Hub Storage	39,863
Total Storage Capacity	42,507
<u>Peaking Capacity Paths</u>	
LNG - On-System	6,500
PNGTS Delivered Baseload (Dec-Feb)	2,491
Peaking Contract 1	39,860
Peaking Contract 2	9,965
Additional Granite Capacity	935
Total Peaking Capacity	59,751
Total Design Day Capacity	142,844

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Tennessee Zone 0 100 Leg, Zone L 500 and 800 Leg Pools

Capacity Path Diagram



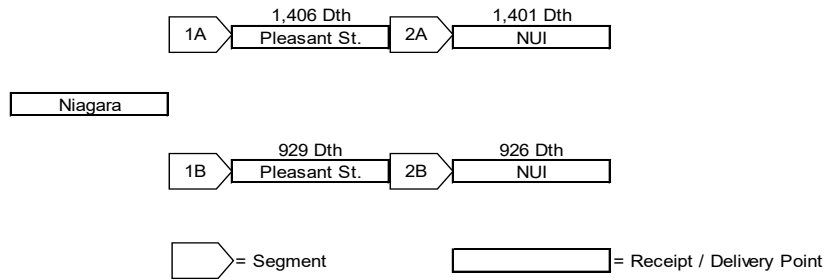
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1A ¹	Transportation	Tennessee	5083	FT-A	10/31/2023	4,605	Dth	Year-Round	Zone 0, 100 Leg	Pleasant St.	Granite
2A	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	4,589	Dth	Year-Round	Granite	Northern City Gates	
1B ¹	Transportation	Tennessee	5083	FT-A	10/31/2023	8,550	Dth	Year-Round	Zone L, 500 & 800 Legs	Pleasant St.	Granite
2B	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	8,520	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						13,109	Dth				

Note 1: Tennessee Contract No. 5083 also allows for firm delivery rights to Bay State Gas city gates. As such, Tennessee Production could also be delivered to Northern City Gates via the Bay State Exchange.

Northern Utilities, Inc.
 Capacity Path Diagram and Detail
 Source of Supply: Niagara (Interconnection of TransCanada and Tennessee Pipelines)

Capacity Path Diagram

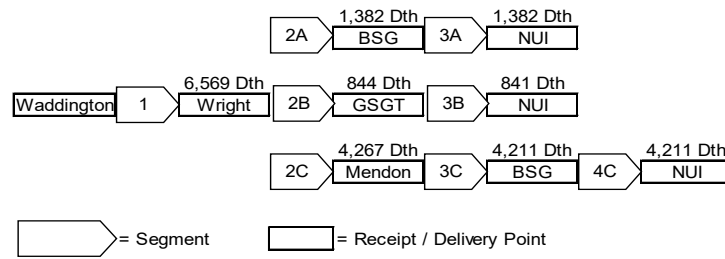


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1A	Transportation	Tennessee	5292	FT-A	3/31/2025	1,406	Dth	Year-Round	Niagara	Pleasant St.	Granite
2A	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	1,401	Dth	Year-Round	Granite	Northern City Gates	
1B	Transportation	Tennessee	39735	FT-A	3/31/2025	929	Dth	Year-Round	Niagara	Pleasant St.	Granite
2B	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	926	Dth	Year-Round	Granite	Northern City Gates	
Total Path Deliverable						2,327	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Iroquois Receipts

Capacity Path Diagram

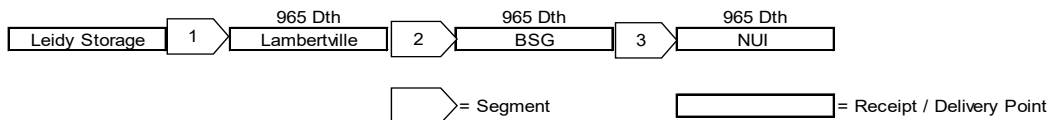


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Iroquois	R181003	RTS-1	10/31/2024	6,569	Dth	Year-Round	Waddington	Wright	Tennessee
2A	Transportation	Tennessee	95196	FT-A	10/31/2022	1,382	Dth	Year-Round	Wright	Bay State City Gate	Granite
3A	Exchange	Bay State Gas	NA	NA	Renewal Clause	1,382	Dth	Year-Round	Bay State City Gate	Northern City Gates	
2B	Transportation	Tennessee	95196	FT-A	10/31/2022	844	Dth	Year-Round	Wright	Pleasant St.	
3B	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	841	Dth	Year-Round	Granite	Northern City Gates	Algonquin
2C	Transportation	Tennessee	41099	FT-A	10/31/2022	4,267	Dth	Year-Round	Wright	Mendon	
3C	Transportation	Algonquin	93200F	AFT-1	10/31/2022	4,211	Dth	Year-Round	Mendon	Bay State City Gate	
4C	Exchange	Bay State Gas	NA	NA	Renewal Clause	4,211	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						6,434	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Algonquin Receipt Points

Capacity Path Diagram

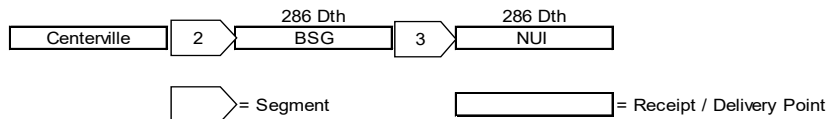


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Texas Eastern	800384	FT-1	10/31/2022	965	Dth	Year-Round	Leidy Storage	Lambertville, NJ	Algonquin
2	Transportation	Algonquin	93201A1C	AFT-1 (F-2/F-3)	10/31/2022	965	Dth	Year-Round	Lambertville, NJ	Bay State City Gate	
3	Exchange	Bay State Gas	NA	NA	Renewal Clause	965	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						965	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Algonquin Receipt Points

Capacity Path Diagram

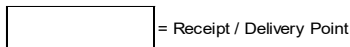
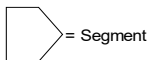
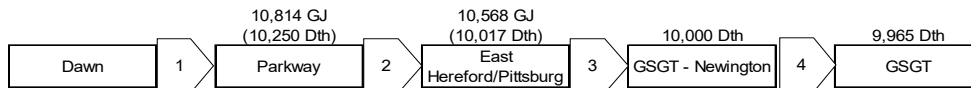


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Algonquin	93201A1C	AFT-1 (F-2/F-3)	10/31/2022	286	Dth	Year-Round	Centerville, NJ	Bay State City Gate	
2	Exchange	Bay State Gas	NA	NA	Renewal Clause	286	Dth	Year-Round	Bay State City Gate	Northern City Gates	
Total Path Deliverable						286	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: PXP Dawn Hub

Capacity Path Diagram

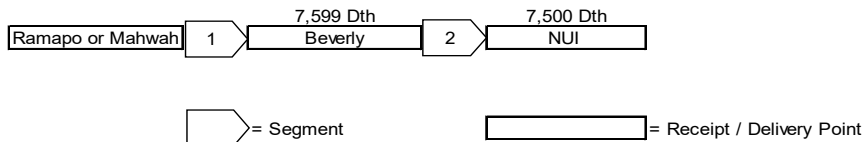


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Union	M12296	M12	10/31/2040	10,814	GJ	Year-Round	Dawn	Parkway	TransCanada
2	Transportation	TransCanada	63265	FT	10/31/2040	10,568	GJ	Year-Round	Parkway	East Hereford	PNGTS
3	Transportation	PNGTS	23339	FT	10/31/2040	10,000	Dth	Year-Round	Pittsburg, NH	Newington, NH	Granite
4	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	9,965	Dth	Year-Round	Newington, NH	Northern City Gates	
Total Path Deliverable						9,965	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Atlantic Bridge Ramapo

Capacity Path Diagram

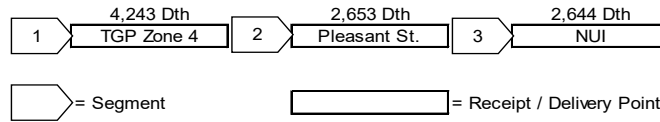


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Transportation	Algonquin	510939	FT	2/11/2036	7,599	Dth	Year-Round	Ramapo or Mawhah	Beverly, MA	Maritimes
2	Transportation	Maritimes	210363	FT	2/11/2036	7,500	Dth	Year-Round	Beverly, MA	Northern City Gates	
Total Path Deliverable						7,500	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Tennessee Firm Storage - Market Area

Capacity Path Diagram



Capacity Path Detail

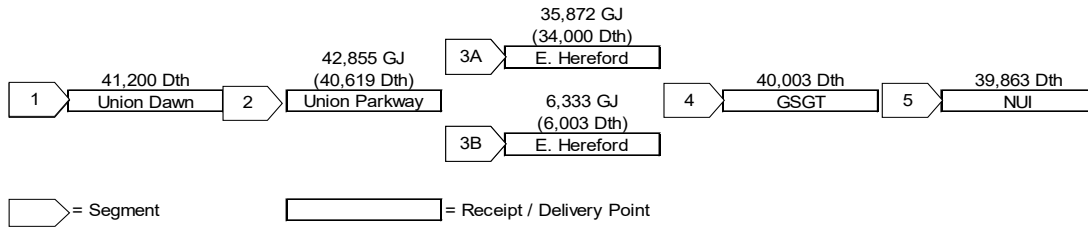
Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Storage	Tennessee	5195	FS-MA	3/31/2025	4,243	Dth	Year-Round	NA	TGP Zone 4	Tennessee
2 ²	Transportation	Tennessee	5265	FT-A	3/31/2025	2,653	Dth	Year-Round	TGP Zone 4	Pleasant St.	Granite
3	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	2,644	Dth	Year-Round	Pleasant St.	Northern City Gates	
Total Path Deliverable						2,644	Dth				

Note 1: Tennessee Contract No. 5195 has a maximum storage quantity of 259,337 Dth.

Note 2: Tennessee Contract No. 5265 also allows for firm delivery rights to Bay State Gas city gates. As such, Tennessee Firm Storage could also be delivered to Northern City Gates via the Bay State Exchange.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Union Dawn Storage

Capacity Path Diagram

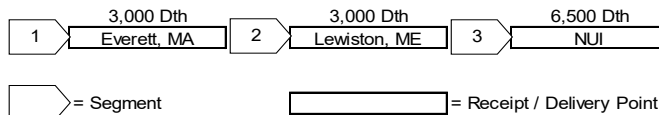


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1	Storage	Union	LST086	Firm Storage (MDWD)	3/31/2023	43,468	GJ	Year-Round	NA	Dawn	Union
1	Storage	Union	LST086	Firm Storage (MSB)	3/31/2023	4,220,224	GJ	Year-Round	NA	Dawn	
1	Storage	Union	LST086	Firm Storage (MDID)	3/31/2023	31,652	GJ	Year-Round	NA	Dawn	
2	Transportation	Union	M12256	M12	10/31/2033	42,962	GJ	Year-Round	Dawn	Parkway	TransCanada
3A	Transportation	TransCanada	57901	FT	3/31/2033	35,872	GJ	Year-Round	Parkway	East Hereford	PNGTS
3B	Transportation	TransCanada	57055	FT	10/31/2032	6,333	GJ	Year-Round	Parkway	East Hereford	PNGTS
4	Transportation	PNGTS	208543	FT	11/30/2032	40,003	Dth	Year-Round	Pittsburg, NH	Newington, NH	Granite
5	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	39,863	Dth	Year-Round	Newington, NH	Northern City Gates	
Total Path Deliverable						39,863	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Lewiston LNG Plant

Capacity Path Diagram



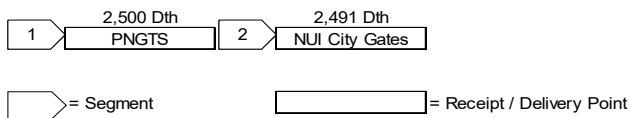
Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	LNG Contract	Confidential	NA	NA	10/31/2022	3,000	Dth	Year-Round	NA		NA
2	LNG Trucking Contract	Confidential			10/31/2022	3,000	Dth	Year-Round		Lewiston, ME	NA
3	Lewiston LNG Plant	N/A	NA	NA	N/A	6,500	Dth	Year-Round	Lewiston, ME	Northern Distribution System	
Total Path Deliverable						6,500	Dth				

Note 1: The LNG Contract allows Northern to nominate up to 3,000 Dth per day (3 trucks) with an annual maximum take equal to 75,000 Dth.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: PNGTS Delivered Supply (Dec-Feb)

Capacity Path Diagram

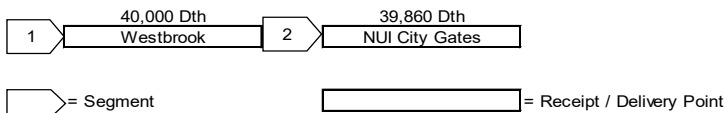


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Peaking Supply	Confidential	NA	NA	2/28/2022	2,500	Dth	Winter Only (Dec - Feb)	NA	PNGTS	Granite or Northern City Gates
2	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	2,491	Dth	Year-Round	PNGTS	Northern City Gates	
Total Path Deliverable						2,491	Dth				

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Contract 1

Capacity Path Diagram

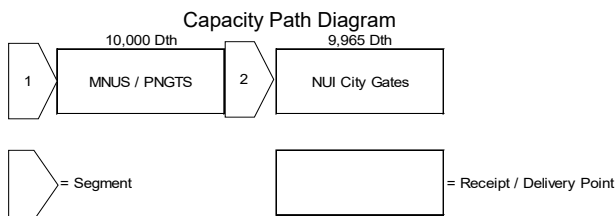


Capacity Path Detail

Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Peaking Supply	Confidential	NA	NA	3/31/2024	40,000	Dth	Winter Only (Nov - Mar)	NA	Westbrook or Lewiston	Granite or Northern City Gates
2	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	39,860	Dth	Year-Round	Westbrook or Lewiston	Northern City Gates	
Total Path Deliverable						39,860	Dth				

Note 1: Peaking Contract 1 allows Northern to nominate up to 40,000 Dth per Day and up to 600,000 Dth from November through March with takes above 30,000 Dth per Day capped at 50,000 Dth. Contract volumes may also be delivered to NUI - Lewiston in which case no Granite capacity is utilized.

Northern Utilities, Inc.
Capacity Path Diagram and Detail
Source of Supply: Peaking Contract 2



Capacity Path Detail											
Segment	Product	Vendor	Contract ID	Rate Schedule	Contract Termination Date	Northern MDQ	Dth / GJ	Availability	Receipt Point	Delivery Point	Interconnecting Pipeline
1 ¹	Peaking Supply	Confidential	NA	NA	3/31/2022	10,000	Dth	Winter Only (Nov - Mar)	NA	MNUS / PNGTS	Granite or Northern City Gates
2	Transportation	Granite	19-100-FT-NN	FT-NN	10/31/2022	9,965	Dth	Year-Round	MNUS / PNGTS	Northern City Gates	
Total Path Deliverable						9,965	Dth				

Note 1: Peaking Contract 2 allows Northern to nominate up to 10,000 Dth per Day and up to 300,000 Dth from November through March. Contract volumes may also be delivered to NUI - Lewiston in which case no Granite capacity is utilized.

Northern Utilities, Inc. Estimated Gas Supply Demand Costs November 1, 2021 through October 31, 2022			
Line	Description	Estimate	Reference
1.	Pipeline Demand Costs	\$ 17,953,274	Page 3 - Pipeline Allocated Cost
2.	Storage Allocated Pipeline Demand Costs	\$ 22,032,867	Page 3 - Storage Allocated Cost
3.	Storage Demand Costs	\$ 2,959,638	Page 4 - Annual Fixed Charges
4.	Peaking Allocated Pipeline Demand Costs	\$ 2,216,171	Page 3 - Peaking Allocated Cost
5.	Peaking Contract Costs	\$ 11,397,667	Page 5, Annual Fixed Charges
6.	Asset Management and Capacity Release Revenue	\$ (9,902,100)	Page 6 - Total Asset Management and Capacity Release Revenue
7.	Total Demand Costs	\$ 46,657,517	Sum Lines 1 through 6.

Northern Utilities, Inc.
Pipeline Contract Demand Cost Estimates
November 1, 2021 through October 31, 2022

Capacity Path	Segment	Pipeline	Contract ID	Rate	Negotiated Rate	Maximum Daily Quantity (Dth)	Monthly Demand Rate (\$/MDQ)	Months Per Year	Reference (Att NUI-FXW-9, Page 2)	Monthly Demand	Annual Demand
Tennessee Zone 0/L Pools	1A	Tennessee	5083	FT-A	No	4,605	\$ 19.9192	12	Line 8	\$ 91,728	\$ 1,100,735
Tennessee Zone 0/L Pools	2A	Granite	19-100-FT-NN	FT-NN	No	4,589	\$ 5.9096	12	Line 3	\$ 27,119	\$ 325,430
Tennessee Zone 0/L Pools	1B	Tennessee	5083	FT-A	No	8,550	\$ 17.6842	12	Line 9	\$ 151,200	\$ 1,814,399
Tennessee Zone 0/L Pools	2B	Granite	19-100-FT-NN	FT-NN	No	8,520	\$ 5.9096	12	Line 3	\$ 50,350	\$ 604,198
Tennessee Niagara	1A	Tennessee	5292	FT-A	No	1,406	\$ 6.1560	12	Line 11	\$ 8,655	\$ 103,864
Tennessee Niagara	2A	Granite	19-100-FT-NN	FT-NN	No	1,401	\$ 5.9096	12	Line 3	\$ 8,279	\$ 99,352
Tennessee Niagara	1B	Tennessee	39735	FT-A	No	929	\$ 6.1560	12	Line 11	\$ 5,719	\$ 68,627
Tennessee Niagara	2B	Granite	19-100-FT-NN	FT-NN	No	926	\$ 6.1560	12	Line 3	\$ 5,700	\$ 68,405
Iroquois Receipts	1	Iroquois	181003	RTS-1	No	5,715	\$ 5.2357	12	Line 4	\$ 29,922	\$ 359,064
Iroquois Receipts	1	Iroquois	181003	RTS-1	No	854	\$ 5.2357	12	Line 4	\$ 4,471	\$ 53,655
Iroquois Receipts	2A	Tennessee	95196	FT-A	No	1,382	\$ 6.1560	12	Line 11	\$ 8,508	\$ 102,091
Iroquois Receipts	2B	Tennessee	95196	FT-A	No	844	\$ 6.1560	12	Line 11	\$ 5,196	\$ 62,348
Iroquois Receipts	3B	Granite	19-100-FT-NN	FT-NN	No	841	\$ 5.9096	12	Line 3	\$ 4,970	\$ 59,640
Iroquois Receipts	2C	Tennessee	41099	FT-A	No	4,267	\$ 6.1560	12	Line 11	\$ 26,268	\$ 315,212
Iroquois Receipts	3C	Algonquin	93002F	AFT-1	No	4,211	\$ 8.5927	12	Line 1	\$ 36,184	\$ 434,206
Leidy Hub	1	Texas Eastern	800384	FT-1	No	965	\$ 7.0660	12	Line 12	\$ 6,819	\$ 81,824
Leidy Hub	2	Algonquin	93201A1C	AFT-1	No	965	\$ 8.5927	12	Line 1	\$ 8,292	\$ 99,503
Transco Zone 6, non-NY	1	Algonquin	93201A1C	AFT-1	No	286	\$ 8.5927	12	Line 1	\$ 2,458	\$ 29,490
PXP Dawn Hub	1	Union	M12296	M12	No	10,250	\$ 3.0942	12	Line 14	\$ 31,716	\$ 380,587
PXP Dawn Hub	2	TransCanada	63265	FT	No	10,017	\$ 17.7546	12	Line 13	\$ 177,848	\$ 2,134,174
PXP Dawn Hub	3	PNGTS	233320	FT (PXP)	Yes	10,000	\$ 22.8125	12	Line 7	\$ 228,125	\$ 2,737,500
PXP Dawn Hub	4	Granite	19-100-FT-NN	FT-NN	No	9,965	\$ 5.9096	12	Line 3	\$ 58,889	\$ 706,670
Atlantic Bridge	1	Algonquin	510939	AFT	Yes	7,599	\$ 54.9173	12	Line 2	\$ 417,317	\$ 5,007,799
Atlantic Bridge	2	Maritimes	210363	MN365	Yes	7,500	\$ 13.3833	12	Line 5	\$ 100,375	\$ 1,204,500
Tennessee Firm Storage	2	Tennessee	5265	FT-A	No	2,653	\$ 7.0053	12	Line 10	\$ 18,585	\$ 223,021
Tennessee Firm Storage	3	Granite	19-100-FT-NN	FT-NN	No	2,644	\$ 5.9096	12	Line 3	\$ 15,625	\$ 187,500
Union Dawn Storage	2	Union	M12256	M12	No	40,720	\$ 3.0942	12	Line 14	\$ 125,996	\$ 1,511,950
Union Dawn Storage	3A	TransCanada	57901	FT	No	34,000	\$ 17.7546	12	Line 13	\$ 603,656	\$ 7,243,877
Union Dawn Storage	3B	TransCanada	57055	FT	No	6,003	\$ 17.7546	12	Line 13	\$ 106,581	\$ 1,278,970
Union Dawn Storage	4	PNGTS	208543	FT (C2C)	Yes	40,003	\$ 18.2500	12	Line 6	\$ 730,055	\$ 8,760,657
Union Dawn Storage	5	Granite	19-100-FT-NN	FT-NN	No	39,863	\$ 5.9096	12	Line 3	\$ 235,574	\$ 2,826,893
Peaking Capacity (Nov-Oct)	N/A	Granite	19-100-FT-NN	FT-NN	No	9,251	\$ 5.9096	12	Line 3	\$ 54,670	\$ 656,037
Peaking Capacity (Nov-Apr)	N/A	Granite	19-100-FT-NN	FT-NN	No	44,000	\$ 5.9096	6	Line 3	\$ 260,022	\$ 1,560,134
Total Annual Demand Costs											\$ 42,202,312

Northern Utilities, Inc.
Pipeline Contract Demand Cost Allocations
November 1, 2021 through October 31, 2022

Capacity Path	Segment	Pipeline	Contract ID	MDQ	Pipeline MDQ	Storage MDQ	Peaking MDQ	Annual Demand	Annual Pipeline Allocated Cost	Annual Storage Allocated Cost	Annual Peaking Allocated Cost
Tennessee Zone 0/L Pools	1A	Tennessee	5083	4,605	4,605	-	-	\$ 1,100,735	\$ 1,100,735	\$ -	\$ -
Tennessee Zone 0/L Pools	2A	Granite	19-100-FT-NN	4,589	4,589	-	-	\$ 325,430	\$ 325,430	\$ -	\$ -
Tennessee Zone 0/L Pools	1B	Tennessee	5083	8,550	8,550	-	-	\$ 1,814,399	\$ 1,814,399	\$ -	\$ -
Tennessee Zone 0/L Pools	2B	Granite	19-100-FT-NN	8,520	8,520	-	-	\$ 604,198	\$ 604,198	\$ -	\$ -
Tennessee Niagara	1A	Tennessee	5292	1,406	1,406	-	-	\$ 103,864	\$ 103,864	\$ -	\$ -
Tennessee Niagara	2A	Granite	19-100-FT-NN	1,401	1,401	-	-	\$ 99,352	\$ 99,352	\$ -	\$ -
Tennessee Niagara	1B	Tennessee	39735	929	929	-	-	\$ 68,627	\$ 68,627	\$ -	\$ -
Tennessee Niagara	2B	Granite	19-100-FT-NN	926	926	-	-	\$ 68,405	\$ 68,405	\$ -	\$ -
Iroquois Receipts	1	Iroquois	181003	5,715	5,715	-	-	\$ 359,064	\$ 359,064	\$ -	\$ -
Iroquois Receipts	1	Iroquois	181003	854	854	-	-	\$ 53,655	\$ 53,655	\$ -	\$ -
Iroquois Receipts	2A	Tennessee	95196	1,382	1,382	-	-	\$ 102,091	\$ 102,091	\$ -	\$ -
Iroquois Receipts	2B	Tennessee	95196	844	844	-	-	\$ 62,348	\$ 62,348	\$ -	\$ -
Iroquois Receipts	3B	Granite	19-100-FT-NN	841	841	-	-	\$ 59,640	\$ 59,640	\$ -	\$ -
Iroquois Receipts	2C	Tennessee	41099	4,267	4,267	-	-	\$ 315,212	\$ 315,212	\$ -	\$ -
Iroquois Receipts	3C	Algonquin	93002F	4,211	4,211	-	-	\$ 434,206	\$ 434,206	\$ -	\$ -
Leidy Hub	1	Texas Eastern	800384	965	965	-	-	\$ 81,824	\$ 81,824	\$ -	\$ -
Leidy Hub	2	Algonquin	93201A1C	965	965	-	-	\$ 99,503	\$ 99,503	\$ -	\$ -
Transco Zone 6, non-NY	1	Algonquin	93201A1C	286	286	-	-	\$ 29,490	\$ 29,490	\$ -	\$ -
PXP Dawn Hub	1	Union	M12296	10,250	10,250	-	-	\$ 380,587	\$ 380,587	\$ -	\$ -
PXP Dawn Hub	2	TransCanada	63265	10,017	10,017	-	-	\$ 2,134,174	\$ 2,134,174	\$ -	\$ -
PXP Dawn Hub	3	PNGTS	233320	10,000	10,000	-	-	\$ 2,737,500	\$ 2,737,500	\$ -	\$ -
PXP Dawn Hub	4	Granite	19-100-FT-NN	9,965	9,965	-	-	\$ 706,670	\$ 706,670	\$ -	\$ -
Atlantic Bridge	1	Algonquin	510939	7,599	7,599	-	-	\$ 5,007,799	\$ 5,007,799	\$ -	\$ -
Atlantic Bridge	2	Maritimes	210363	7,500	7,500	-	-	\$ 1,204,500	\$ 1,204,500	\$ -	\$ -
Tennessee Firm Storage	2	Tennessee	5265	2,653	-	2,653	-	\$ 223,021	\$ -	\$ 223,021	\$ -
Tennessee Firm Storage	3	Granite	19-100-FT-NN	2,644	-	2,644	-	\$ 187,500	\$ -	\$ 187,500	\$ -
Union Dawn Storage	2	Union	M12256	40,720	-	40,720	-	\$ 1,511,950	\$ -	\$ 1,511,950	\$ -
Union Dawn Storage	3A	TransCanada	57901	34,000	-	34,000	-	\$ 7,243,877	\$ -	\$ 7,243,877	\$ -
Union Dawn Storage	3B	TransCanada	57055	6,003	-	6,003	-	\$ 1,278,970	\$ -	\$ 1,278,970	\$ -
Union Dawn Storage	4	PNGTS	208543	40,003	-	40,003	-	\$ 8,760,657	\$ -	\$ 8,760,657	\$ -
Union Dawn Storage	5	Granite	19-100-FT-NN	39,863	-	39,863	-	\$ 2,826,893	\$ -	\$ 2,826,893	\$ -
Peaking Capacity (Nov-Oct)	N/A	Granite	19-100-FT-NN	9,251	-	-	26,216	\$ 656,037	\$ -	\$ -	\$ 656,037
Peaking Capacity (Nov-Apr)	N/A	Granite	19-100-FT-NN	44,000	-	-	30,000	\$ 1,560,134	\$ -	\$ -	\$ 1,560,134
Total Annual Demand Costs								\$ 42,202,312	\$ 17,953,274	\$ 22,032,867	\$ 2,216,171

Northern Utilities, Inc.
Storage Contract Demand Cost Estimates
November 1, 2021 through October 31, 2022

Vendor	Contract ID	Rate	Negotiated	MSQ (Dth)	MDWQ	Space Rate	Demand Rate	Months Per Year	Reference (Att NUI-FXW-10, Page 2)	Annual Space Charge	Annual Demand Charge	Annual Fixed Charges
Tennessee Union	5195 LST086	FS-MA Storage	No Yes	259,337 4,000,000	4,243 41,200	\$ 0.0175 \$ 0.0592	\$ 1.2801	12 12	Line 1 Line 2	\$ 54,461 \$ 2,840,000	\$ 65,178	\$ 119,638 \$ 2,840,000

Total Annual Fixed Charges

\$ 2,959,638

MSQ = Maximum Space Quantity

MDWQ = Maximum Daily Withdrawal Quantity

Northern Utilities, Inc.
Peaking Contract Demand Cost Estimates
November 1, 2021 through October 31, 2022

Denotes Confidential Information

Resource	Supplier	Contract Quantity	Maximum Daily Quantity	Months per Year	Annual Fixed Charges
LNG Contract		75,000	5,000	5	
Peaking Contract 1		600,000	40,000	5	
Total Peaking Supply Contract Demand Costs					\$ 11,397,667

Northern Utilities, Inc.
Asset Management and Capacity Release Revenue Projections
November 1, 2021 through October 31, 2022

Denotes Confidential Information	
Capacity Path	Projected Revenue
Tennessee Zone 0/L Pools	
Tennessee Niagara	
Iroquois Receipts	
Leidy Hub & Transco Zone 6, non-NY	
Atlantic Bridge	
Union Dawn Storage & PXP Dawn Hub	
Total Asset Management	
	\$ (9,902,100)

Northern Utilities, Inc.
New Hampshire Division
Attachment NUI-FXW-6
Page 1 of 7

Northern Utilities, Inc. New Hampshire Division Retail Marketer Capacity Assignment Revenue Projections November 2021 through October 2022		
Item	Revenue	Reference
Pipeline Contract Capacity Assignment	\$ (4,477,852)	Page 2
Storage Contract Capacity Assignment	\$ (291,946)	Page 3
On-System Peaking Service Demand	\$ (276,318)	Page 4
Asset Management Revenue Assigned to Retail Suppliers	\$ 33,381	Page 5
Total Division Capacity Assignment Demand Revenue	\$ (5,012,735)	Sum of Items Above

Northern Utilities, Inc.
New Hampshire Division
Attachment NUI-FXW-6
Page 2 of 7

Northern Utilities, Inc. New Hampshire Division Pipeline Capacity Assignment Estimates November 2021 through October 2022														
Capacity Path	Segment	Pipeline	Contract ID	Pipeline Allocated Cost	Storage Allocated Cost	Peaking Allocated Cost	Capacity Assigned? (Y/N)	Assigned Pipeline MDQ	Assigned Storage MDQ	Assigned Peaking MDQ	Assigned Pipeline Credits	Assigned Storage Credits	Assigned Peaking Credits	NH Annual Cap Assign Credit
Tennessee Zone 0/L Pools	1A	Tennessee	5083	\$ 1,100,735	\$ -	\$ -	Y	(535)	-	-	\$ (127,881)	\$ -	\$ -	\$ (127,881)
Tennessee Zone 0/L Pools	2A	Granite	19-100-FT-NN	\$ 325,430	\$ -	\$ -	Y	(533)	-	-	\$ (37,798)	\$ -	\$ -	\$ (37,798)
Tennessee Zone 0/L Pools	1B	Tennessee	5083	\$ 1,814,399	\$ -	\$ -	Y	(993)	-	-	\$ (210,725)	\$ -	\$ -	\$ (210,725)
Tennessee Zone 0/L Pools	2B	Granite	19-100-FT-NN	\$ 604,198	\$ -	\$ -	Y	(990)	-	-	\$ (70,206)	\$ -	\$ -	\$ (70,206)
Tennessee Niagara	1A	Tennessee	5292	\$ 103,864	\$ -	\$ -	Y	(163)	-	-	\$ (12,041)	\$ -	\$ -	\$ (12,041)
Tennessee Niagara	2A	Granite	19-100-FT-NN	\$ 99,352	\$ -	\$ -	Y	(163)	-	-	\$ (11,559)	\$ -	\$ -	\$ (11,559)
Tennessee Niagara	1B	Tennessee	39735	\$ 68,627	\$ -	\$ -	Y	(108)	-	-	\$ (7,978)	\$ -	\$ -	\$ (7,978)
Tennessee Niagara	2B	Granite	19-100-FT-NN	\$ 68,405	\$ -	\$ -	Y	(108)	-	-	\$ (7,978)	\$ -	\$ -	\$ (7,978)
Iroquois Receipts	1	Iroquois	181003	\$ 359,064	\$ -	\$ -	Y	(664)	-	-	\$ (41,718)	\$ -	\$ -	\$ (41,718)
Iroquois Receipts	1	Iroquois	181003	\$ 53,655	\$ -	\$ -	Y	(99)	-	-	\$ (6,220)	\$ -	\$ -	\$ (6,220)
Iroquois Receipts	2A	Tennessee	95196	\$ 102,091	\$ -	\$ -	Y	(161)	-	-	\$ (11,893)	\$ -	\$ -	\$ (11,893)
Iroquois Receipts	2B	Tennessee	95196	\$ 62,348	\$ -	\$ -	Y	(98)	-	-	\$ (7,239)	\$ -	\$ -	\$ (7,239)
Iroquois Receipts	3B	Granite	19-100-FT-NN	\$ 59,640	\$ -	\$ -	Y	(98)	-	-	\$ (6,950)	\$ -	\$ -	\$ (6,950)
Iroquois Receipts	2C	Tennessee	41099	\$ 315,212	\$ -	\$ -	Y	(496)	-	-	\$ (36,641)	\$ -	\$ -	\$ (36,641)
Iroquois Receipts	3C	Algonquin	93002F	\$ 434,206	\$ -	\$ -	Y	(489)	-	-	\$ (50,422)	\$ -	\$ -	\$ (50,422)
Leidy Hub	1	Texas Eastern	800384	\$ 81,824	\$ -	\$ -	Y	(112)	-	-	\$ (9,497)	\$ -	\$ -	\$ (9,497)
Leidy Hub	2	Algonquin	93201A1C	\$ 99,503	\$ -	\$ -	Y	(112)	-	-	\$ (11,549)	\$ -	\$ -	\$ (11,549)
Transco Zone 6, non-NY	1	Algonquin	93201A1C	\$ 29,490	\$ -	\$ -	Y	(33)	-	-	\$ (3,403)	\$ -	\$ -	\$ (3,403)
PXP Dawn Hub	1	Union	M12296	\$ 380,587	\$ -	\$ -	Y	(1,191)	-	-	\$ (44,222)	\$ -	\$ -	\$ (44,222)
PXP Dawn Hub	2	TransCanada	63265	\$ 2,134,174	\$ -	\$ -	Y	(1,164)	-	-	\$ (247,996)	\$ -	\$ -	\$ (247,996)
PXP Dawn Hub	3	PNGTS	233320	\$ 2,737,500	\$ -	\$ -	Y	(1,162)	-	-	\$ (318,098)	\$ -	\$ -	\$ (318,098)
PXP Dawn Hub	4	Granite	19-100-FT-NN	\$ 706,670	\$ -	\$ -	Y	(1,158)	-	-	\$ (82,120)	\$ -	\$ -	\$ (82,120)
Atlantic Bridge	1	Algonquin	510939	\$ 5,007,799	\$ -	\$ -	Y	(883)	-	-	\$ (581,904)	\$ -	\$ -	\$ (581,904)
Atlantic Bridge	2	Maritimes	210363	\$ 1,204,500	\$ -	\$ -	Y	(871)	-	-	\$ (139,883)	\$ -	\$ -	\$ (139,883)
Tennessee Firm Storage	2	Tennessee	5265	\$ -	\$ 223,021	\$ -	Y	-	(262)	-	\$ -	\$ (22,025)	\$ -	\$ (22,025)
Tennessee Firm Storage	3	Granite	19-100-FT-NN	\$ -	\$ 187,500	\$ -	Y	-	(261)	-	\$ -	\$ (18,509)	\$ -	\$ (18,509)
Union Dawn Storage	2	Union	M12256	\$ -	\$ 1,511,950	\$ -	Y	-	(4,017)	-	\$ -	\$ (149,153)	\$ -	\$ (149,153)
Union Dawn Storage	3A	TransCanada	57901	\$ -	\$ 7,243,877	\$ -	Y	-	(3,354)	-	\$ -	\$ (714,587)	\$ -	\$ (714,587)
Union Dawn Storage	3B	TransCanada	57055	\$ -	\$ 1,278,970	\$ -	Y	-	(592)	-	\$ -	\$ (126,129)	\$ -	\$ (126,129)
Union Dawn Storage	4	PNGTS	208543	\$ -	\$ 8,760,657	\$ -	Y	-	(3,946)	-	\$ -	\$ (864,174)	\$ -	\$ (864,174)
Union Dawn Storage	5	Granite	19-100-FT-NN	\$ -	\$ 2,826,893	\$ -	Y	-	(3,932)	-	\$ -	\$ (278,839)	\$ -	\$ (278,839)
Peaking Capacity (Nov-Oct)	N/A	Granite	19-100-FT-NN	\$ -	\$ -	\$ 656,037	Y	-	-	(2,585)	\$ -	\$ -	\$ (64,688)	\$ (64,688)
Peaking Capacity (Nov-Apr)	N/A	Granite	19-100-FT-NN	\$ -	\$ -	\$ 1,560,134	Y	-	-	(2,958)	\$ -	\$ -	\$ (153,829)	\$ (153,829)
Total Capacity Assignment Credits											\$ (2,085,920)	\$ (2,173,415)	\$ (218,517)	\$ (4,477,852)

Northern Utilities, Inc.
New Hampshire Division
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Northern Utilities, Inc. New Hampshire Division Storage Contract Capacity Assignment Estimates November 2021 through October 2022								
Vendor	Contract ID	Annual Fixed Charges	Capacity Assigned (Y/N)	Company Managed (Y/N)	Storage Assigned ME	Assigned MSQ	Assigned MDWQ	Annual Cap Assign Credit
Tennessee	5195	\$ 119,638	Y	N	9.86%	(25,582)	(419)	\$ (11,801)
Union	LST068	\$ 2,840,000	Y	N	9.86%	(394,570)	(4,064)	\$ (280,145)

Total Division Storage Capacity Assignment \$ (291,946)

MSQ = Maximum Space Quantity

MDWQ = Maximum Daily Withdrawal Quantity

Northern Utilities, Inc.
New Hampshire Division
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Northern Utilities, Inc. New Hampshire Division On-System Peaking Demand Capacity Assignment Revenues November 2021 through October 2022				
Month	On-System Peaking Demand TCQ	Rate		Demand Revenue
Nov-21	641	\$	71.85	\$ (46,053)
Dec-21	641	\$	71.85	\$ (46,053)
Jan-22	641	\$	71.85	\$ (46,053)
Feb-22	641	\$	71.85	\$ (46,053)
Mar-22	641	\$	71.85	\$ (46,053)
Apr-22	641	\$	71.85	\$ (46,053)
Total Division Peaking Demand Revenue			\$	(276,318)

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Northern Utilities, Inc.
New Hampshire Division
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Northern Utilities, Inc. - New Hampshire Division Asset Management and Capacity Release Revenue Assigned to Retail Suppliers November 2021 through October 2022					
Indicates Confidential Information					
Resources	Projected Value	Company-Managed Resources	Resource Type	Percentage Capacity Assigned	Annual Value to Retail Marketers
Tennessee Zone O/L Pools		No	Pipeline	11.62%	
Tennessee Niagara		No	Pipeline	11.62%	
Iroquois Receipts		Yes	Pipeline	11.62%	
Leidy Hub & Transco Zone 6, non-NY		Yes	Pipeline	11.62%	
0		No	Pipeline	11.62%	
Atlantic Bridge		No	Pipeline	11.62%	
Union Dawn Storage & PXP Dawn Hub		No	Storage	9.86%	
Total Asset Management	\$ (9,902,100)				\$ 33,381

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New Hampshire Division
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Northern Utilities, Inc. New Hampshire Division Peaking Capacity Assignment Demand Rate November 2021 through October 2022			
Indicates Confidential Information			
Line	Description	Northern	NH Division
2	Capacity Allocation Factor		40.99%
3	Peaking Plants	6,500	2,664
4	Total	6,500	2,664
5	LNG Demand Costs		
6	Peaking Plants Fixed Costs		\$ 420,658
7	Total On-System Peaking Fixed Costs		\$ 1,148,640
8	NH Division Peaking Service Demand Rate		\$ 71.85

Northern Utilities, Inc.
New Hampshire Division
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Northern Utilities
New Hampshire Division
Retail Supplier Capacity Assignment Estimates
November 2021 through October 2022

HLF Allocation	60.95%	16.23%	22.82%	100.00%
LLF Allocation	22.28%	32.31%	45.41%	100.00%

	Pipeline MDQ	Storage MDQ	Peaking MDQ	Total MDQ
HLF TCQ	2,230	594	835	3,658
LLF TCQ	2,476	3,591	5,047	11,114
Retail Supplier Total	4,715	4,193	5,892	14,800
Northern MDQ	40,586	42,507	59,751	142,844
Cap Assign/ Total MDQ	11.62%	9.86%	9.86%	10.36%

On System
Peaking

6,500

On System
Peaking Allocation

10.88%

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Northern Utilities, Inc. Commodity Cost by Supply Source (\$) November 2021 through October 2022																
Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year	
Pipeline Supplies																
TGP Zone 4 300 Leg Supply																
Tennessee FS-MA Storage Path																
Dawn Supply																
Union Dawn Storage Path																
Leidy Hub																
Texas Eastern Zone M-3																
Transco Zone 6, non-NY																
Algonquin Receipts Pipeline Path																
Tennessee Niagara Pipeline Path																
PXP Dawn Pipeline Path																
Tennessee Zone 0																
Tennessee Zone L																
Tennessee Long-Haul Pipeline Path																
Iroquois Receipts Pipeline Path																
Atlantic Bridge Ramapo Pipeline Path																
Total Pipeline																
NH CM Pipeline (Leidy/M-3)																
ME CM Pipeline (Leidy/M-3)																
NH CM Pipeline (Transco)																
ME CM Pipeline (Transco)																
NH CM Pipeline (Iroq Rec)																
ME CM Pipeline (Iroq Rec)																
Net Pipeline	\$ 5,248,530	\$ 5,735,184	\$ 6,062,675	\$ 5,455,995	\$ 5,436,340	\$ 4,220,796	\$ 2,197,031	\$ 1,475,856	\$ 1,373,084	\$ 1,382,979	\$ 1,410,783	\$ 2,512,274	\$ 32,169,520	\$ 10,352,007	\$ 42,511,526	
Underground Storage																
Tennessee Storage	\$ -	\$ 186,678	\$ 186,678	\$ 167,685	\$ 40,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 581,642	\$ -	\$ 581,642	
Tennessee FS-MA Storage Path	\$ -	\$ 186,678	\$ 186,678	\$ 167,685	\$ 40,601	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 581,642	\$ -	\$ 581,642	
Union Dawn Storage	\$ 1,044,295	\$ 2,078,528	\$ 2,337,868	\$ 2,534,675	\$ 1,826,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,822,316	\$ -	\$ 9,822,316	
Union Dawn Storage Path	\$ 1,044,295	\$ 2,078,528	\$ 2,337,868	\$ 2,534,675	\$ 1,826,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,822,316	\$ -	\$ 9,822,316	
Net Storage	\$ 1,044,295	\$ 2,265,206	\$ 2,524,545	\$ 2,702,360	\$ 1,867,551	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,403,958	\$ -	\$ 10,403,958	
Peaking Supplies																
PNGTS Delivered (Dec - Feb)																
Baseload Delivered Supplies																
Lewiston LNG																
Peaking Contract 1																
Peaking Contract 2																
Off-System Peaking / Incremental Supply																
Total Peaking																
NH Peaking Service - (On System)																
ME Peaking Service - (On-System)																
Net Peaking	\$ 9,526	\$ 2,091,388	\$ 4,553,220	\$ 2,865,280	\$ 1,286,222	\$ 10,221	\$ 10,555	\$ 11,094	\$ 11,464	\$ 11,464	\$ 13,455	\$ 14,402	\$ 10,815,857	\$ 72,433	\$ 10,888,290	
Total NUI Commodity	\$ 6,546,727	\$ 10,387,112	\$ 13,523,178	\$ 11,317,910	\$ 8,838,734	\$ 4,231,017	\$ 2,207,586	\$ 1,486,950	\$ 1,384,547	\$ 1,394,443	\$ 1,424,238	\$ 2,526,676	\$ 54,844,677	\$ 10,424,440	\$ 65,269,117	
Company Managed Sales	\$ (244,376)	\$ (295,334)	\$ (382,738)	\$ (294,275)	\$ (248,621)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (1,465,343)	\$ -	\$ -	
Net Commodity Costs	\$ 6,302,351	\$ 10,091,778	\$ 13,140,440	\$ 11,023,635	\$ 8,590,113	\$ 4,231,017	\$ 2,207,586	\$ 1,486,950	\$ 1,384,547	\$ 1,394,443	\$ 1,424,238	\$ 2,526,676	\$ 53,379,334	\$ 10,424,440	\$ 63,803,774	

Northern Utilities, Inc. Commodity Volumes by Supply Source (Dth) November 2021 through October 2022															
Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year
Pipeline Supplies															
TGP Zone 4 300 Leg Supply	64,244	0	0	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032	574,798
Tennessee FS-MA Storage Path	64,244	0	0	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032	574,798
Dawn Supply	0	0	0	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700	1,191,914	1,973,613
Union Dawn Storage Path	0	0	0	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700	1,191,914	1,973,613
Leidy Hub	28,681	29,625	29,625	26,758	29,625	0	0	0	0	0	0	0	144,313	0	144,313
Texas Eastern Zone M-3	269	290	290	262	290	0	0	0	0	0	0	0	1,402	0	1,402
Transco Zone 6, non-NY	8,580	8,866	8,866	8,008	8,866	0	0	0	0	0	0	0	43,186	0	43,186
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	0	0	0	0	0	0	0	188,901	0	188,901
Tennessee Niagara Pipeline Path	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906	333,341	661,247
PXP Dawn Pipeline Path	227,792	240,125	240,125	216,887	240,125	52,641	0	0	0	0	0	0	1,217,695	0	1,217,695
Tennessee Zone 0	103,572	110,715	58,675	65,081	110,715	10,470	0	0	0	0	0	0	459,229	0	459,229
Tennessee Zone L	177,608	205,552	205,552	175,472	169,822	189	0	0	0	0	0	0	934,196	0	934,196
Tennessee Long-Haul Pipeline Path	281,181	316,267	264,227	240,554	280,537	10,660	0	0	0	0	0	0	1,393,425	0	1,393,425
Iroquois Receipts Pipeline Path	187,431	193,679	193,679	174,936	193,679	0	0	0	0	0	0	0	943,403	0	943,403
Atlantic Bridge Ramapo Pipeline Path	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497	1,074,008	2,130,505
Total Pipeline	1,027,637	1,025,960	973,919	889,062	1,070,119	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	6,090,292	2,993,295	9,083,587
NH CM Pipeline (Leidy/M-3)	-3,360	-3,472	-3,472	-3,136	-3,472	0	0	0	0	0	0	0	-16,912	0	-16,912
ME CM Pipeline (Leidy/M-3)	-3,060	-3,162	-3,162	-2,856	-3,162	0	0	0	0	0	0	0	-15,402	0	-15,402
NH CM Pipeline (Transco)	-990	-1,023	-1,023	-924	-1,023	0	0	0	0	0	0	0	-4,983	0	-4,983
ME CM Pipeline (Transco)	-900	-930	-930	-840	-930	0	0	0	0	0	0	0	-4,530	0	-4,530
NH CM Pipeline (Iroq Rec)	-19,500	-20,150	-20,150	-18,200	-20,150	0	0	0	0	0	0	0	-98,150	0	-98,150
ME CM Pipeline (Iroq Rec)	-17,700	-18,290	-18,290	-16,520	-18,290	0	0	0	0	0	0	0	-89,090	0	-89,090
Net Pipeline	982,127	978,933	926,892	846,586	1,023,092	1,103,596	623,919	427,539	395,807	401,078	426,093	718,859	5,861,225	2,993,295	8,854,520
Underground Storage															
Tennessee Storage	0	66,386	66,386	59,632	14,438	0	0	0	0	0	0	0	206,842	0	206,842
Tennessee FS-MA Storage Path	0	66,386	66,386	59,632	14,438	0	0	0	0	0	0	0	206,842	0	206,842
Union Dawn Storage	334,018	664,818	747,767	810,716	584,350	0	0	0	0	0	0	0	3,141,670	0	3,141,670
Union Dawn Storage Path	334,018	664,818	747,767	810,716	584,350	0	0	0	0	0	0	0	3,141,670	0	3,141,670
Net Storage	334,018	731,204	814,153	870,348	598,789	0	0	0	0	0	0	0	3,348,512	0	3,348,512
Peaking Supplies															
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213	0	224,213
Baseload Delivered Supplies	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213	0	224,213
													0	0	0
Lewiston LNG	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040	21,864
Peaking Contract 1	0	13,649	243,664	11,017	261	0	0	0	0	0	0	0	268,591	0	268,591
Peaking Contract 2	0	42,181	104,918	87,560	64,291	0	0	0	0	0	0	0	298,950	0	298,950
Off-System Peaking / Incremental Supply	0	55,830	348,582	98,577	64,552	0	0	0	0	0	0	0	567,541	0	567,541
Total Peaking	1,794	134,913	427,664	170,007	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	802,578	11,040	813,618
NH Peaking Service - (On System)	0	-1,282	-5,769	-641	0	0	0	0	0	0	0	0	-7,692	0	-7,692
ME Peaking Service - (On-System)	0	-1,184	-5,328	-592	0	0	0	0	0	0	0	0	-7,104	0	-7,104
Net Peaking	1,794	132,447	416,567	168,774	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	787,782	11,040	798,822
Total NUI Commodity	1,363,449	1,892,076	2,215,737	1,929,417	1,735,313	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	10,241,382	3,004,335	13,245,717
Company Managed Sales	-45,510	-49,493	-58,124	-43,709	-47,027	0	0	0	0	0	0	0	-243,863	0	-243,863
Net Commodity Costs	1,317,939	1,842,583	2,157,613	1,885,708	1,688,286	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	9,997,519	3,004,335	13,001,854

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Northern Utilities, Inc.
Average Delivered Commodity Cost by Supply Source (\$/Dth)
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year
Pipeline Supplies															
TGP Zone 4 300 Leg Supply															
Tennessee FS-MA Storage Path															
Dawn Supply															
Union Dawn Storage Path															
Leidy Hub															
Texas Eastern Zone M-3															
Transco Zone 6, non-NY															
Algonquin Receipts Pipeline Path															
Tennessee Niagara Pipeline Path															
PXP Dawn Pipeline Path															
Tennessee Zone 0															
Tennessee Zone L															
Tennessee Long-Haul Pipeline Path															
Iroquois Receipts Pipeline Path															
Atlantic Bridge Ramapo Pipeline Path															
Total Pipeline															
NH CM Pipeline (Leidy/M-3)															
ME CM Pipeline (Leidy/M-3)															
NH CM Pipeline (Transco)															
ME CM Pipeline (Transco)															
NH CM Pipeline (Iroq Rec)															
ME CM Pipeline (Iroq Rec)															
Net Pipeline	\$ 5.344	\$ 5.859	\$ 6.541	\$ 6.445	\$ 5.314	\$ 3.825	\$ 3.521	\$ 3.452	\$ 3.469	\$ 3.448	\$ 3.311	\$ 3.495	\$ 5.487	\$ 3.458	\$ 4.801
Underground Storage															
Tennessee Storage		\$ 2.812	\$ 2.812	\$ 2.812	\$ 2.812								\$ 2.812		\$ 2.812
Tennessee FS-MA Storage Path		\$ 2.812	\$ 2.812	\$ 2.812	\$ 2.812								\$ 2.812		\$ 2.812
Union Dawn Storage	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126								\$ 3.126		\$ 3.126
Union Dawn Storage Path	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126								\$ 3.126		\$ 3.126
Net Storage	\$ 3.126	\$ 3.098	\$ 3.101	\$ 3.105	\$ 3.119								\$ 3.107		\$ 3.107
Peaking Supplies															
PNGTS Delivered (Dec - Feb)															
Baseload Delivered Supplies															
Lewiston LNG															
Peaking Contract 1															
Peaking Contract 2															
Off-System Peaking / Incremental															
Total Peaking															
NH Peaking Service - (On System)															
ME Peaking Service - (On-System)															
Net Peaking	\$ 5.310	\$ 15.790	\$ 10.930	\$ 16.977	\$ 19.369	\$ 5.697	\$ 5.675	\$ 6.163	\$ 6.163	\$ 6.163	\$ 7.475	\$ 7.743	\$ 13.730	\$ 6.561	\$ 13.630
Total NUI Commodity	\$ 4.802	\$ 5.490	\$ 6.103	\$ 5.866	\$ 5.093	\$ 3.828	\$ 3.528	\$ 3.463	\$ 3.482	\$ 3.461	\$ 3.328	\$ 3.506	\$ 5.355	\$ 3.470	\$ 4.928
Company Managed Sales	\$ 5.370	\$ 5.967	\$ 6.585	\$ 6.733	\$ 5.287							\$ 6.009			\$ -
Net Commodity Costs	\$ 4.782	\$ 5.477	\$ 6.090	\$ 5.846	\$ 5.088	\$ 3.828	\$ 3.528	\$ 3.463	\$ 3.482	\$ 3.461	\$ 3.328	\$ 3.506	\$ 5.339	\$ 3.470	\$ 4.907

		2021-2022 Winter	2021-2022 Winter
GSGT Capacity Path	Transport	Nov-21	Dec-21
	BSG EXCH	360,000	372,000
	GSGT FLOW	2,923,500	3,020,950
	LEWISTON	750,000	775,000
	LNG LEWS TRK	150,000	155,000
0.35% Tennessee Long-Haul Pipeline Path	P1 TGP Z0-Z6	107,144	110,715
0.35% Tennessee Long-Haul Pipeline Path	P1 TGP Z1-Z6	198,921	205,552
	P1 TGP Z4-Z6	-	-
	P1_5083	394,650	407,805
	P11 AB AGT	177,420	183,334
Atlantic Bridge Ramapo Pipeline Path	P11 AB MNUS	175,110	180,947
0.35% PXP Dawn Pipeline Path	P12 PXP PNGT	232,643	240,398
	P12 PXP TCPL	233,850	241,645
	P12 PXP UGL	239,310	247,287
0.35% WXP Dawn Pipeline Path	P13 WXP PNGT	-	-
	P13 WXP TCPL	-	-
	P13 WXP UGL	-	-
0.35% Tennessee Niagara Pipeline Path	P2 NIAGARA1	32,735	33,826
0.35% Tennessee Niagara Pipeline Path	P2 NIAGARA2	21,614	22,335
Iroquois Receipts Pipeline Path	P3 AGT	125,155	129,275
	P3 IROQ	191,400	197,780
0.35% Iroquois Receipts Pipeline Path	P3 TGP1	19,641	20,296
Iroquois Receipts Pipeline Path	P3 TGP2	41,460	42,842
	P3 TGP3	128,010	132,277
Algonquin Receipts Pipeline Path	P5 AGT (TCO)	8,580	8,866
Algonquin Receipts Pipeline Path	P5 AGT (TMT)	28,950	29,915
	P5 TETCO	28,950	29,915
0.35% Tennessee FS-MA Storage Path	P6 TGP FT WD	64,244	66,386
0.35% Union Dawn Storage Path	P7 PNGTS WS	968,987	1,001,286
	P7 TCPL PARK	972,390	1,004,803
	P7 UNION	989,820	1,022,814
	P7 UNION	989,820	1,022,814
Lewiston LNG LNG LEWS		1,794	1,854

	2021-2022 Winter	2022 Summer
Tennessee Long-Haul Pipeline Path	1,846,592	1,877,199
Algonquin Receipts Pipeline Path	226,431	230,184
Iroquois Receipts Pipeline Path	1,123,542	1,142,371
Tennessee Niagara Pipeline Path	327,906	333,341
Atlantic Bridge Ramapo Pipeline Path	1,056,497	1,074,008
PXP Dawn Pipeline Path	1,403,612	1,426,876
WXP Dawn Pipeline Path	-	-
Tennessee FS-MA Storage Path	387,608	394,032
Union Dawn Storage Path	5,846,219	5,943,118
Lewiston LNG	113,960	11,040
Off-System Peaking / Incremental Supply Contract	597,900	-
Incremental Delivered Supplies	-	-

2021-2022 Winter	2021-2022 Winter	2021-2022 Winter	2021-2022 Winter	2022 Summer
Jan-22	Feb-22	Mar-22	Apr-22	May-22
372,000	336,000	372,000	-	-
3,020,950	2,728,600	3,020,950	2,923,500	1,656,950
775,000	700,000	775,000	750,000	775,000
155,000	140,000	155,000	150,000	155,000
110,715	100,001	110,715	107,144	110,715
205,552	185,660	205,552	198,921	205,552
-	-	-	-	-
407,805	368,340	407,805	394,650	407,805
183,334	165,592	183,334	177,420	183,334
180,947	163,436	180,947	175,110	180,947
240,398	217,133	240,398	232,643	240,398
241,645	218,260	241,645	233,850	241,645
247,287	223,356	247,287	239,310	247,287
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
33,826	30,553	33,826	32,735	33,826
22,335	20,173	22,335	21,614	22,335
129,275	116,764	129,275	125,155	129,327
197,780	178,640	197,780	191,400	197,780
20,296	18,332	20,296	19,641	20,296
42,842	38,696	42,842	41,460	42,842
132,277	119,476	132,277	128,010	132,277
8,866	8,008	8,866	8,580	8,866
29,915	27,020	29,915	28,950	29,915
29,915	27,020	29,915	28,950	29,915
66,386	59,961	66,386	64,244	66,386
1,001,286	904,387	1,001,286	968,987	1,001,286
1,004,803	907,564	1,004,803	972,390	1,004,803
1,022,814	923,832	1,022,814	989,820	1,022,814
1,022,814	923,832	1,022,814	989,820	1,022,814
1,854	1,674	1,854	1,794	1,860
2022-2023 Winter	0	0	2023 Summer	2023-2024 Winter
1,846,592	-	-	-	-
226,431	-	-	-	-
1,123,542	-	-	-	-
327,906	-	-	-	-
1,056,497	-	-	-	-
1,403,612	-	-	-	-
-	-	-	-	-
387,608	-	-	-	-
5,846,219	-	-	-	-
125,000	-	125,000	-	125,000
597,900	-	597,900	-	448,425
-	-	-	-	-

2022 Summer	2022 Summer	2022 Summer	2022 Summer	2022 Summer
Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
-	-	-	-	-
1,603,500	1,656,950	1,656,950	1,603,500	1,656,950
750,000	775,000	775,000	750,000	775,000
150,000	155,000	155,000	150,000	155,000
107,144	110,715	110,715	107,144	110,715
198,921	205,552	205,552	198,921	205,552
-	-	-	-	-
394,650	407,805	407,805	394,650	407,805
177,420	183,334	183,334	177,420	183,334
175,110	180,947	180,947	175,110	180,947
232,643	240,398	240,398	232,643	240,398
233,850	241,645	241,645	233,850	241,645
239,310	247,287	247,287	239,310	247,287
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
32,735	33,826	33,826	32,735	33,826
21,614	22,335	22,335	21,614	22,335
125,155	129,327	129,327	125,155	129,327
191,400	197,780	197,780	191,400	197,780
19,641	20,296	20,296	19,641	20,296
41,460	42,842	42,842	41,460	42,842
128,010	132,277	132,277	128,010	132,277
8,580	8,866	8,866	8,580	8,866
28,950	29,915	29,915	28,950	29,915
28,950	29,915	29,915	28,950	29,915
64,244	66,386	66,386	64,244	66,386
968,987	1,001,286	1,001,286	968,987	1,001,286
972,390	1,004,803	1,004,803	972,390	1,004,803
989,820	1,022,814	1,022,814	989,820	1,022,814
989,820	1,022,814	1,022,814	989,820	1,022,814
1,800	1,860	1,860	1,800	1,860
2024 Summer	2024-2025 Winter	2025 Summer	2025-2026 Winter	2019-2020 Winter
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	125,000	-	125,000	
-	-	-	-	
-	-	-	-	

2022-2023 Winter	2022-2023 Winter	2022-2023 Winter	2022-2023 Winter	2022-2023 Winter
Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
360,000	372,000	372,000	336,000	372,000
2,923,500	3,020,950	3,020,950	2,728,600	3,020,950
750,000	775,000	775,000	700,000	775,000
150,000	155,000	155,000	140,000	155,000
107,144	110,715	110,715	100,001	110,715
198,921	205,552	205,552	185,660	205,552
-	-	-	-	-
394,650	407,805	407,805	368,340	407,805
177,420	183,334	183,334	165,592	183,334
175,110	180,947	180,947	163,436	180,947
232,643	240,398	240,398	217,133	240,398
233,850	241,645	241,645	218,260	241,645
239,310	247,287	247,287	223,356	247,287
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
32,735	33,826	33,826	30,553	33,826
21,614	22,335	22,335	20,173	22,335
125,155	129,275	129,275	116,764	129,275
191,400	197,780	197,780	178,640	197,780
19,641	20,296	20,296	18,332	20,296
41,460	42,842	42,842	38,696	42,842
128,010	132,277	132,277	119,476	132,277
8,580	8,866	8,866	8,008	8,866
28,950	29,915	29,915	27,020	29,915
28,950	29,915	29,915	27,020	29,915
64,244	66,386	66,386	59,961	66,386
968,987	1,001,286	1,001,286	904,387	1,001,286
972,390	1,004,803	1,004,803	907,564	1,004,803
989,820	1,022,814	1,022,814	923,832	1,022,814
989,820	1,022,814	1,022,814	923,832	1,022,814
1,794	17,791	47,138	4,628	1,854

2020 Summer

2022-2023 Winter	2023 Summer	2023 Summer	2023 Summer	2023 Summer
Apr-23	May-23	Jun-23	Jul-23	Aug-23
360,000	-	-	-	-
2,923,500	-	-	-	-
750,000	-	-	-	-
150,000	-	-	-	-
107,144	-	-	-	-
198,921	-	-	-	-
-	-	-	-	-
394,650	-	-	-	-
177,420	-	-	-	-
175,110	-	-	-	-
232,643	-	-	-	-
233,850	-	-	-	-
239,310	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
32,735	-	-	-	-
21,614	-	-	-	-
125,155	-	-	-	-
191,400	-	-	-	-
19,641	-	-	-	-
41,460	-	-	-	-
128,010	-	-	-	-
8,580	-	-	-	-
28,950	-	-	-	-
28,950	-	-	-	-
64,244	-	-	-	-
968,987	-	-	-	-
972,390	-	-	-	-
989,820	-	-	-	-
989,820	-	-	-	-
1,794	-	-	-	-

[illegible]

[illegible]

[illegible]

2024-2025 Winter 2024-2025 Winter 2024-2025 Winter 2024-2025 Winter 2024-2025 Winter

Dec-24

Jan-25

Feb-25

Mar-25

Apr-25

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

[illegible]

2025 Summer 2025-2026 Winter 2025-2026 Winter 2025-2026 Winter 2025-2026 Winter

Oct-25

Nov-25

Dec-25

Jan-26

Feb-26

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

[illegible]

[illegible]

2026-2027 Winter 2026-2027 Winter 2026-2027 Winter 2026-2027 Winter

Jan-27

Feb-27

Mar-27

Apr-27

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

2021-2022 Winter	2022 Summer	2022-2023 Winter		
1,812,000	-	2,172,000	-	-
17,638,449	9,834,800	17,638,449	-	-
4,525,000	4,600,000	4,525,000	-	-
905,000	920,000	905,000	-	-
646,434	657,148	646,434	-	-
1,200,159	1,220,051	1,200,159	-	-
-	-	-	-	-
2,381,055	2,420,520	2,381,055	-	-
1,070,434	1,088,176	1,070,434	-	-
1,056,497	1,074,008	1,056,497	-	-
1,403,612	1,426,876	1,403,612	-	-
1,410,895	1,434,280	1,410,895	-	-
1,443,837	1,467,768	1,443,837	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
197,501	200,775	197,501	-	-
130,405	132,566	130,405	-	-
754,899	767,618	754,899	-	-
1,154,780	1,173,920	1,154,780	-	-
118,501	120,465	118,501	-	-
250,142	254,288	250,142	-	-
772,327	785,128	772,327	-	-
51,766	52,624	51,766	-	-
174,665	177,560	174,665	-	-
174,665	177,560	174,665	-	-
387,608	394,032	387,608	-	-
5,846,219	5,943,118	5,846,219	-	-
5,866,753	5,963,992	5,866,753	-	-
5,971,914	6,070,896	5,971,914	-	-
5,971,914	6,070,896	5,971,914	-	-
10,824	11,040	75,000	-	-

2023 Summer	2023-2024 Winter	2024 Summer	2024-2025 Winter	2025 Summer
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

2020
Summer

Table 5. Estimated Delivered City-Gate Commodity Costs and Volumes November 2021 through October 2022			
Supply Source	Winter Period Delivered City- Gate Costs	Winter Period Delivered City- Gate Volumes	Winter Period Delivered Cost per Dth
Base Pipeline Resources	\$ 32,159,520	5,861,225	\$ 5.487
Storage Resources	\$ 10,403,958	3,348,512	\$ 3.107
Peaking Resources	\$ 10,815,857	787,782	\$ 13.730
Total Commodity Costs	\$ 53,379,334	9,997,519	\$ 5.339
Prior Year Net Sales Service Commodity Costs	\$ 36,692,012	9,518,411	\$ 3.855
	45%	5%	39%

	Current Forecast	Prior Year Forecast	
NYMEX	\$ 5.08	\$ 2.45	107%
Nov	\$ 5.31	\$ 2.32	
Dec	\$ 5.40	\$ 2.49	
Jan	\$ 5.47	\$ 2.59	
Feb	\$ 5.37	\$ 2.56	
Mar	\$ 5.01	\$ 2.47	
Apr	\$ 3.94	\$ 2.28	

Northern Utilities, Inc.
Normal Year Sendout Volumes (Dth)
Sales Service and Company Managed Sales Sendout
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter
Pipeline Supplies													
Tennessee Long-Haul Pipeline Path	281,181	316,267	264,227	240,554	280,537	10,660	0	0	0	0	0	0	1,393,425
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	0	0	0	0	0	0	0	188,901
Iroquois Receipts Pipeline Path	187,431	193,679	193,679	174,936	193,679	0	0	0	0	0	0	0	943,403
Tennessee Niagara Pipeline Path	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906
Atlantic Bridge Ramapo Pipeline Path	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497
PXP Dawn Pipeline Path	227,792	240,125	240,125	216,887	240,125	52,641	0	0	0	0	0	0	1,217,695
WXP Dawn Pipeline Path	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Pipeline	963,393	1,025,960	973,919	881,566	990,229	292,760	237,108	229,459	237,108	237,108	229,459	237,108	5,127,827
Underground Storage													
Tennessee Storage	0	66,386	66,386	59,632	14,438	0	0	0	0	0	0	0	206,842
TGP Zone 4 300 Leg Supply	64,244	0	0	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766
Tennessee FS-MA Storage Path	64,244	66,386	66,386	59,961	66,386	64,244	66,386	64,244	66,386	66,386	64,244	66,386	387,608
Union Dawn Storage	334,018	664,818	747,767	810,716	584,350	0	0	0	0	0	0	0	3,141,670
Dawn Supply	0	0	0	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700
Union Dawn Storage Path	334,018	664,818	747,767	817,882	612,292	746,591	320,425	133,836	92,313	97,584	132,390	415,365	3,923,369
Subtotal Storage	398,262	731,204	814,153	877,844	678,678	810,836	386,811	198,080	158,699	163,970	196,634	481,751	4,310,977
Peaking Supplies													
Lewiston LNG	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213
Peaking Contract 1	0	13,649	243,664	11,017	261	0	0	0	0	0	0	0	268,591
Peaking Contract 2	0	42,181	104,918	87,560	64,291	0	0	0	0	0	0	0	298,950
Incremental Delivered Supplies	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Peaking	1,794	134,913	427,664	170,007	66,406	1,794	1,860	1,800	1,860	1,860	1,800	1,860	802,578
Total Delivered (Dth)	1,363,449	1,892,076	2,215,737	1,929,417	1,735,313	1,105,390	625,779	429,339	397,667	402,938	427,893	720,719	10,241,382

Northern Utilities, Inc.
Normal Year Capacity Utilization (Dth)
Sales Service and Company Managed Sales Sendout
November 2021 through October 2022

Description	Winter Projected Volume (Dth)	Winter Maximum Volume (Dth)	Winter Capacity Utilization	Summer Projected Volume (Dth)	Summer Maximum Volume (Dth)	Summer Capacity Utilization	Annual Projected Volume (Dth)	Annual Maximum Volume (Dth)	Annual Capacity Utilization
Pipeline Supplies									
Tennessee Long-Haul Pipeline Path	1,393,425	1,846,592	75%	0	1,877,199	0%	1,393,425	3,723,791	37%
Algonquin Receipts Pipeline Path	188,901	226,431	83%	0	230,184	0%	188,901	456,615	41%
Iroquois Receipts Pipeline Path	943,403	1,123,542	84%	0	1,142,371	0%	943,403	2,265,913	42%
Tennessee Niagara Pipeline Path	327,906	327,906	100%	333,341	333,341	100%	661,247	661,248	100%
Atlantic Bridge Ramapo Pipeline Path	1,056,497	1,056,497	100%	1,074,008	1,074,008	100%	2,130,505	2,130,505	100%
PXP Dawn Pipeline Path	1,217,695	1,403,612	87%	0	1,426,876	0%	1,217,695	2,830,489	43%
Subtotal Pipeline	5,127,827	5,984,580	86%	1,407,349	6,083,979	23%	6,535,176	12,068,560	54%
Underground Storage									
Tennessee Storage	206,842			0			206,842		
TGP Zone 4 300 Leg Supply	180,766			394,032			574,798		
Tennessee FS-MA Storage Path	387,608	387,608	100%	394,032	394,032	100%	781,640	781,640	100%
Union Dawn Storage	3,141,670			0			3,141,670		
Dawn Supply	781,700			1,191,914			1,973,613		
Union Dawn Storage Path	3,923,369	5,846,219	67%	1,191,914	5,943,118	20%	5,115,283	11,789,337	43%
Subtotal Storage	4,310,977	6,233,827	69%	1,585,946	6,337,150	25%	5,896,923	12,570,976	47%
Peaking Supplies									
Lewiston LNG	10,824	113,960	9%	11,040	11,040	100%	21,864	125,000	17%
PNGTS Delivered (Dec - Feb)	224,213	224,213	100%	0	0		224,213	224,213	
Peaking Contract 1	268,591	597,900	45%	0	0		268,591	597,900	
Peaking Contract 2	298,950	298,950	100%	0	0		298,950	298,950	
Subtotal Peaking	802,578	1,235,023	65%	11,040	11,040	100%	813,618	1,246,063	65%
Portfolio Utilization	10,241,382	13,453,429	76%	3,004,335	12,432,169	24%	13,245,717	25,885,598	51%
Incremental Delivered Supplies	0	N/A		0	N/A		0	N/A	
Total Delivered	10,241,382	N/A		3,004,335	N/A		13,245,717	N/A	

REDACTED

Estimated Delivered City-Gate Commodity Costs and Volumes November 2021 through April 2022			
Denotes Confidential Information			
Rank	Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes
1	Tennessee Storage		206,842
2	Union Dawn Storage		3,141,670
3	Dawn Supply		781,700
4	TGP Zone 4 300 Leg Supply		180,766
5	Leidy Hub		144,313
6	Tennessee Niagara Pipeline Path		327,906
7	PXP Dawn Pipeline Path		1,217,695
8	Lewiston LNG		10,824
9	Peaking Contract 1		268,591
10	Tennessee Zone L		934,196
11	Tennessee Zone 0		459,229
12	Iroquois Receipts Pipeline Path		943,403
13	Atlantic Bridge Ramapo Pipeline Path		1,056,497
14	Transco Zone 6, non-NY		43,186
15	Texas Eastern Zone M-3		1,402
16	PNGTS Delivered (Dec - Feb)		224,213
17	Peaking Contract 2		298,950
	Total Delivered Commodity Cost	\$54,844,677	10,241,382
			\$5.355

REDACTED

Estimated Delivered City-Gate Commodity Costs and Volumes May 2022 through October 2022				
Denotes Confidential Information				
Rank	Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
1	TGP Zone 4 300 Leg Supply		394,032	
2	Atlantic Bridge Ramapo Pipeline Path		1,074,008	
3	Tennessee Niagara Pipeline Path		333,341	
4	Dawn Supply		1,191,914	
5	Lewiston LNG		11,040	
	Total Delivered Commodity Cost	\$10,424,440	3,004,335	\$3.470

Rank	Supply Source	Delivered City-G	Delivered City-C	Delivered Cost per Dth
4	TGP Zone 4 300 Leg Supply		180,766	
3	Dawn Supply		781,700	
5	Leidy Hub		144,313	
15	Texas Eastern Zone M-3		1,402	
14	Transco Zone 6, non-NY		43,186	
6	Tennessee Niagara Pipeline Path		327,906	
7	PXP Dawn Pipeline Path		1,217,695	
11	Tennessee Zone 0		459,229	
10	Tennessee Zone L		934,196	
12	Iroquois Receipts Pipeline Path		943,403	
13	Atlantic Bridge Ramapo Pipeline Path		1,056,497	
1	Tennessee Storage		206,842	
2	Union Dawn Storage		3,141,670	
8	Lewiston LNG		10,824	
9	Peaking Contract 1		268,591	
16	PNGTS Delivered (Dec - Feb)		224,213	
17	Peaking Contract 2		298,950	
		\$ 54,844,677	10,241,382	\$ 5.355
	Total NUI Commodity	\$ 54,844,677	10,241,382	\$ 5.355
	Check	\$ -	-	

Rank	Supply Source	Delivered City-Gas	Delivered City-Cost	Delivered Cost per Dth
1	TGP Zone 4 300 Leg Supply		394,032	
4	Dawn Supply		1,191,914	
3	Tennessee Niagara Pipeline Path		333,341	
2	Atlantic Bridge Ramapo Pipeline Path		1,074,008	
5	Lewiston LNG		11,040	
		\$ 10,424,440	3,004,335	\$ 3.470
	Total NUI Commodity	\$ 10,424,440	3,004,335	\$ 3.470
	Check	\$ -	-	

GSGT FLOW	GSGT FLOW
BSG EXCH	BSG EXCH
P1_5083	P1_5083
P1 TGP Z0-Z6	P1 TGP Z0-Z6
P1 TGP Z1-Z6	P1 TGP Z1-Z6
P1 TGP Z4-Z6	P1 TGP Z4-Z6
P2 NIAGARA1	P2 NIAGARA1
P2 NIAGARA2	P2 NIAGARA1
P3 TGP1	P2 NIAGARA1
P3 TGP2	P2 NIAGARA1
P3 AGT	P3 AGT
P3 TGP3	P2 NIAGARA1
P3 IROQ	P3 IROQ
P5 AGT (TMT)	P3 AGT
P5 AGT (TCO)	P3 AGT
P5 TETCO	P5 TETCO
P6 TGP FT WD	P6 TGP FT WD
P7 PNGTS WS	P7 PNGTS WS
P7 TCPL PARK	P7 TCPL PARK
P7 UNION	P7 UNION
LNG LEWS TRK	LNG LEWS TRK
LEWISTON	LEWISTON
P11 AB AGT	P11 AB AGT
P11 AB MNUS	P11 AB MNUS
P12 PXP UGL	P7 UNION
P12 PXP TCPL	P7 TCPL PARK
P12 PXP PNGT	P12 PXP PNGT
P13 WXP UGL	P7 UNION
P13 WXP TCPL	P7 TCPL PARK
P13 WXP PNGT	P13 WXP PNGT

P1 TGP Z0	1
P1 TGP ZL	2
P2 NIAGARA	3
P3 IROQ REC	4
P5 TCO	5
P5 TMT	6
P5 LEIDY	7
P6 Z4300LEG	8
P6 TGPINJ	9
P7 DAWN	10
P7 DAWNINJ	11
P9 LNG	12
P11 AB	13
P12 PXP	14
INCREMENTAL	15
INC_BASELOAI	16
PEAKING1	17
INC_PEAKING	18
P13 WXP	19
NYMEX NG	20

[illegible]

Month	Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000

Source of Supply: TGP Zone 4 300 Leg Supply (Tennessee FS-MA Storage Path)

Denotes Confidential Information																
Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	400,300
2	City Gate Delivered Volume	Line 35	64,244	-	-	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 28 and 37	\$ 6,414	\$ -	\$ -	\$ 33	\$ 5,187	\$ 6,414	\$ 6,628	\$ 6,414	\$ 6,628	\$ 6,628	\$ 6,414	\$ 6,628	\$ 18,049	\$ 39,342
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Tennessee Zone 4 Supply Costs															
9	Purchased Volumes	Sendout Optimization	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	400,300
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5,305	\$ 5,398	\$ 5,465	\$ 5,370	\$ 5,013	\$ 3,939	\$ 3,810	\$ 3,839	\$ 3,871	\$ 3,879	\$ 3,863	\$ 3,890	\$ 4,736	\$ 3,859
11	NYMEX Cost	Line 9 times Line 10	\$ 346,237	\$ -	\$ -	\$ 1,798	\$ 264,554	\$ 257,084	\$ 256,953	\$ 250,557	\$ 261,067	\$ 261,607	\$ 252,124	\$ 262,349	\$ 869,674	\$ 1,544,656
12	NYMEX Basis Price	Att FXW-10, Line 8 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Tennessee Gas Pipeline (Contract 5265)															
19	Receipt Point: Tennessee Zone 4 Station 313 Pool															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Total Contract Received Volume	Sendout Optimization	65,266	67,442	67,442	60,915	67,442	65,266	67,442	65,266	67,442	67,442	65,266	67,442	393,773	
22	Received Volume	Line 14	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	
23	Percentage Allocated	Line 22 divided by Line 21	100.00%	0.00%	0.00%	0.55%	78.25%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	46.64%	100.00%
24	Received Volume	Line 9	65,266	-	-	335	52,774	65,266	67,442	65,266	67,442	67,442	65,266	67,442	183,641	400,300
25	Fuel Loss Rate	Att FXW-10, Line 37 of Page 2	1.22%			1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
26	Delivered Volume	Line 24 times (1 - Line 25)	64,470	-	-	331	52,130	64,470	66,619	64,470	66,619	66,619	64,470	66,619	181,401	395,416
27	Variable Transportation Rate	Att FXW-10, Line 24 of Page 2	\$ 0.0983			\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983
28	Variable Transportation Costs	Line 26 times Line 27	\$ 6,337	\$ -	\$ -	\$ 33	\$ 5,124	\$ 6,337	\$ 6,549	\$ 6,337	\$ 6,549	\$ 6,549	\$ 6,337	\$ 6,549	\$ 17,832	\$ 38,869
29																
30	Granite State Gas Transmission (Contract 19-100-FT-NN)															
31	Receipt Point: Pleasant St.															
32	Delivery Point: Northern City Gates															
33	Received Volume	Line 26	64,470	-	-	331	52,130	64,470	66,619	64,470	66,619	66,619	64,470	66,619	181,401	395,416
34	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	64,244	-	-	330	51,947	64,244	66,386	64,244	66,386	66,386	64,244	66,386	180,766	394,032
36	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
37	Variable Transportation Costs	Line 35 times Line 36	\$ 77	\$ -	\$ -	\$ 0	\$ 62	\$ 77	\$ 80	\$ 77	\$ 80	\$ 80	\$ 77	\$ 80	\$ 217	\$ 473

Source of Supply: Dawn Supply (Union Dawn Storage Path)

Denotes Confidential Information		Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
Line	City Gate Delivered Costs	Reference													
1	Purchased Volumes	Line 9	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592
2	City Gate Delivered Volume	Line 57	-	-	-	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700
3	Total Purchase Cost	Line 15													
4	Variable Transportation Costs	Sum Lines 28, 50 and 59													
5	Total City Gate Delivered Costs	Sum Lines 3 and 4													
6	Average Delivered Price	Line 5 divided by Line 2													
7															
8	Portland Supply Costs														
9	Purchased Volumes	Sendout Optimization	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5,305	\$ 5,398	\$ 5,465	\$ 5,370	\$ 5,013	\$ 3,939	\$ 3,810	\$ 3,839	\$ 3,871	\$ 3,879	\$ 3,863	\$ 3,890	\$ 3,991
11	NYMEX Cost	Line 9 times Line 10	\$ -	\$ -	\$ -	\$ 39,462	\$ 143,637	\$ 3,015,662	\$ 1,251,888	\$ 526,870	\$ 366,439	\$ 388,163	\$ 524,435	\$ 1,656,890	\$ 3,198,761
12	NYMEX Basis Price	Att FXW-10, Line 10 of Page 1													
13	NYMEX Basis Costs	Line 9 times Line 12													
14	Total Purchase Price	Line 10 plus Line 12													
15	Total Purchase Cost	Line 11 plus Line 13													
16															
17	Transportation Fuel Losses and Variable Charges														
18	Union Pipeline (Contract M12256)														
19	Receipt Point: Union Dawn														
20	Delivery Point: Parkway														
21	Total Contract Received Volume	Sendout Optimization	342,518	681,736	766,797	838,696	627,874	765,591	328,580	137,241	94,663	100,068	135,759	425,936	4,023,212
22	Received Volume	Line 9	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592
23	Percentage Allocated	Line 22 divided by Line 21	0.00%	0.00%	0.00%	0.88%	4.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	19.92%
24	Received Volume	Line 9	-	-	-	7,349	28,653	765,591	328,580	137,241	94,663	100,068	135,759	425,936	801,592
25	Fuel Loss Rate	Att FXW-10, Line 41 of Page 2	-	-	-	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
26	Delivered Volume	Line 24 times (1 - Line 25)	-	-	-	7,289	28,421	759,389	325,918	136,130	93,896	99,257	134,659	422,486	795,099
27	Variable Transportation Rate	Att FXW-10, Line 26 of Page 2				\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248
28	Variable Transportation Costs	Line 26 times Line 27	\$ -	\$ -	\$ -	\$ 181	\$ 705	\$ 18,833	\$ 8,083	\$ 3,376	\$ 2,329	\$ 2,462	\$ 3,340	\$ 10,478	\$ 19,718
29															
30	TransCanada Pipeline (Contracts 57055 & 57091)														
31	Receipt Point: Parkway														
32	Delivery Point: East Hereford														
33	Total Contract Received Volume	Sendout Optimization	339,744	676,214	760,586	831,903	622,788	759,389	325,918	136,130	93,896	99,257	134,659	422,486	3,990,624
34	Received Volume	Line 26	-	-	-	7,289	28,421	759,389	325,918	136,130	93,896	99,257	134,659	422,486	795,099
35	Percentage Allocated	Line 34 divided by Line 33	0.00%	0.00%	0.00%	0.88%	4.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	19.92%
36	Received Volume	Line 26	-	-	-	7,289	28,421	759,389	325,918	136,130	93,896	99,257	134,659	422,486	795,099
37	Fuel Loss Rate	Att FXW-10, Line 40 of Page 2	-	-	-	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
38	Delivered Volume	Line 36 times (1 - Line 37)	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445
39															
40	PNGTS Pipeline (Contract 208543)														
41	Receipt Point: Pittsburg (interconnect with East Hereford)														
42	Delivery Point: Westbrook, Newington, Eliot														
43	Total Contract Received Volume	Sendout Optimization	335,191	667,153	750,394	820,755	614,443	749,214	321,551	134,306	92,638	97,927	132,855	416,824	3,937,150
44	Received Volume	Line 38	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445
45	Percentage Allocated	Line 44 divided by Line 43	0.00%	0.00%	0.00%	0.88%	4.56%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	19.92%
46	Received Volume	Line 38	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445
47	Fuel Loss Rate	Att FXW-10, Line 33 of Page 2	-	-	-	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
48	Delivered Volume	Line 46 times (1 - Line 47)	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445
49	Variable Transportation Rate	Att FXW-10, Line 20 of Page 2				\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
50	Variable Transportation Costs	Line 48 times Line 49	\$ -	\$ -	\$ -	\$ 9	\$ 34	\$ 899	\$ 386	\$ 161	\$ 111	\$ 118	\$ 159	\$ 500	\$ 941
51															
52	Granite State Gas Transmission (Contract 19-100-FT-NN)														
53	Receipt Point: Westbrook, Newington, Eliot														
54	Delivery Point: Northern City Gates														
55	Received Volume	Line 48	-	-	-	7,191	28,040	749,214	321,551	134,306	92,638	97,927	132,855	416,824	784,445
56	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
57	City Gate Delivered Volume	Line 55 times (1 - Line 56)	-	-	-	7,166	27,942	746,591	320,425	133,836	92,313	97,584	132,390	415,365	781,700
58	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
59	Variable Transportation Costs	Line 57 times Line 58	\$ -	\$ -	\$ -	\$ 9	\$ 34	\$ 896	\$ 385	\$ 161	\$ 111	\$ 117	\$ 159	\$ 498	\$ 938

Source of Supply: Leidy Hub

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	29,373	30,374	30,432	27,487	30,432	-	-	-	-	-	-	-	148,099	-
2	City Gate Delivered Volume	Sum Lines 35	28,681	29,625	29,625	26,758	29,625	-	-	-	-	-	-	-	144,313	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 37	\$ 2,675	\$ 1,916	\$ 1,916	\$ 1,731	\$ 1,916	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,153	\$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Texas Eastern Zone M-3 Purchases															
9	Purchased Volumes	Sendout Optimization	29,373	30,374	30,432	27,487	30,432	-	-	-	-	-	-	-	148,099	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5,305	\$ 5,398	\$ 5,465	\$ 5,370	\$ 5,013	\$ 3,939	\$ 3,810	\$ 3,839	\$ 3,871	\$ 3,879	\$ 3,863	\$ 3,890	\$ 5,309	-
11	NYMEX Cost	Line 9 times Line 10	\$ 155,824	\$ 163,957	\$ 166,313	\$ 147,607	\$ 152,557	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 786,257	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 7 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Texas Eastern Pipeline (Contract 800384)															
19	Receipt Point: Leidy Hub															
20	Delivery Point: Lambertville, NJ															
21	Received Volume	Line 15	29,373	30,374	30,432	27,487	30,432	-	-	-	-	-	-	-	148,099	-
22	Fuel Loss Rate	Att FXW-10, Line 39 of Page 2	1.44%	1.51%	1.70%	1.70%	1.70%	-	-	-	-	-	-	-	1.20%	1.20%
23	Delivered Volume	Line 21 times (1 - Line 22)	28,950	29,915	29,915	27,020	29,915	-	-	-	-	-	-	-	145,715	-
24	Variable Transportation Rate	Att FXW-10, Line 27 of Page 2	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0587	\$ -
25	Variable Transportation Costs	Line 23 times Line 24	\$ 1,699	\$ 1,756	\$ 1,756	\$ 1,586	\$ 1,756	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,553	\$ -
26																
27	Algonquin Pipeline (Contract 93201A1C)															
28	Receipt Point: Lambertville, NJ															
29	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
30	Total Contract Received Volume	Sendout Optimization	29,222	30,208	30,208	27,285	30,208	-	-	-	-	-	-	-	147,130	-
31	Received Volume	Line 14	28,950	29,915	29,915	27,020	29,915	-	-	-	-	-	-	-	145,715	-
32	Percentage Allocated	Line 31 divided by Line 30	99.07%	99.03%	99.03%	99.03%	99.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	99.04%	0.00%
33	Received Volume	Line 15	28,950	29,915	29,915	27,020	29,915	-	-	-	-	-	-	-	145,715	-
34	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%	-	-	-	-	-	-	-	1.20%	1.20%
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	28,681	29,625	29,625	26,758	29,625	-	-	-	-	-	-	-	144,313	-
36	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	\$ 0.0340	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.0111	\$ -
37	Variable Transportation Costs	Line 35 times Line 36	\$ 975	\$ 160	\$ 160	\$ 144	\$ 160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,600	\$ -

Source of Supply: Texas Eastern Zone M-3

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
2	City Gate Delivered Volume	Sum Lines 26	269	290	290	262	290	-	-	-	-	-	-	-	1,402	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 28														
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	<u>Texas Eastern Zone M-3 Purchases</u>															
9	Purchased Volumes	Sendout Optimization	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.309	-
11	NYMEX Cost	Line 9 times Line 10	\$ 1,442	\$ 1,582	\$ 1,601	\$ 1,421	\$ 1,469	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,515	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 6 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Algonquin Pipeline (Contract 93201A1C)															
19	Receipt Point: Lamberville, NJ															
20	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
21	Total Contract Received Volume	Sendout Optimization	29,222	30,208	30,208	27,285	30,208	-	-	-	-	-	-	-	147,130	-
22	Received Volume	Line 14	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
23	Percentage Allocated	Line 22 divided by Line 21	0.93%	0.97%	0.97%	0.97%	0.97%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.96%	0.00%
24	Received Volume	Line 15	272	293	293	265	293	-	-	-	-	-	-	-	1,415	-
25	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%	-	-	-	-	-	-	-	1.20%	1.20%
26	City Gate Delivered Volume	Line 24 times (1 - Line 25)	269	290	290	262	290	-	-	-	-	-	-	-	1,402	-
27	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	\$ 0.0340	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	-	-	-	-	-	-	-	\$ 0.0109	-
28	Variable Transportation Costs	Line 26 times Line 27	\$ 9	\$ 2	\$ 2	\$ 1	\$ 2	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15	\$ -

Source of Supply: Transco Zone 6, non-NY

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	8,661	8,953	8,953	8,086	8,953	-	-	-	-	-	-	-	43,606	-
2	City Gate Delivered Volume	Sum Lines 23	8,580	8,866	8,866	8,008	8,866	-	-	-	-	-	-	-	43,186	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 25	\$ 292	\$ 48	\$ 48	\$ 43	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 479	\$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	<u>Tranco Zone 6, non-NY Purchases</u>															
9	Purchased Volumes	Sendout Optimization	8,661	8,953	8,953	8,086	8,953	-	-	-	-	-	-	-	43,606	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5,305	\$ 5,398	\$ 5,465	\$ 5,370	\$ 5,013	\$ 3,939	\$ 3,810	\$ 3,839	\$ 3,871	\$ 3,879	\$ 3,863	\$ 3,890	\$ 5,309	-
11	NYMEX Cost	Line 9 times Line 10	\$ 45,944	\$ 48,327	\$ 48,927	\$ 43,424	\$ 44,881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 231,504	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 5 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Algonquin Pipeline (Contract 93201A1C)															
19	Receipt Point: Centerville, NJ															
20	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
21	Received Volume	Line 15	8,661	8,953	8,953	8,086	8,953	-	-	-	-	-	-	-	43,606	-
22	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%	-	-	-	-	-	-	-	1.20%	1.20%
23	City Gate Delivered Volume	Line 21 times (1 - Line 22)	8,580	8,866	8,866	8,008	8,866	-	-	-	-	-	-	-	43,186	-
24	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	\$ 0.0340	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	-	-	-	-	-	-	-	\$ 0.0111	-
25	Variable Transportation Costs	Line 23 times Line 24	\$ 292	\$ 48	\$ 48	\$ 43	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 479	\$ -

Source of Supply: Tennessee Niagara Pipeline Path

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	55,013	56,847	56,847	51,346	56,847	55,013	56,847	55,013	56,847	56,847	55,013	56,847	331,912	337,414
2	City Gate Delivered Volume	Line 41	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906	333,341
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 25, 34 and 43	\$ 4,134	\$ 4,272	\$ 4,272	\$ 3,858	\$ 4,272	\$ 4,134	\$ 4,272	\$ 4,134	\$ 4,272	\$ 4,272	\$ 4,134	\$ 4,272	\$ 24,941	\$ 25,355
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Niagara Supply Costs															
9	Purchased Volumes	Sendout Optimization	55,013	56,847	56,847	51,346	56,847	55,013	56,847	55,013	56,847	56,847	55,013	56,847	331,912	337,414
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.082	\$ 3.859
11	NYMEX Cost	Line 9 times Line 10	\$ 291,845	\$ 306,859	\$ 310,668	\$ 275,726	\$ 284,973	\$ 216,697	\$ 216,587	\$ 211,195	\$ 220,054	\$ 220,509	\$ 212,516	\$ 221,134	\$1,686,768	\$1,301,995
12	NYMEX Basis Price	Att FXW-10, Line 3 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Tennessee Gas Pipeline (Contract 5292)															
19	Receipt Point: Niagara															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Received Volume	Line 9	33,135	34,239	34,239	30,926	34,239	33,135	34,239	33,135	34,239	34,239	33,135	34,239	199,914	203,228
22	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
23	Delivered Volume	Line 21 times (1 - Line 22)	32,850	33,945	33,945	30,660	33,945	32,850	33,945	32,850	33,945	33,945	32,850	33,945	198,195	201,480
24	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746
25	Variable Transportation Costs	Line 23 times Line 24	\$ 2,451	\$ 2,532	\$ 2,532	\$ 2,287	\$ 2,532	\$ 2,451	\$ 2,532	\$ 2,451	\$ 2,532	\$ 2,532	\$ 2,451	\$ 2,532	\$ 14,785	\$ 15,030
26																
27	Tennessee Gas Pipeline (Contract 39735)															
28	Receipt Point: Niagara															
29	Delivery Point: Pleasant St. (Interconnection with Granite)															
30	Received Volume	Line 9	21,878	22,607	22,607	20,420	22,607	21,878	22,607	21,878	22,607	22,607	21,878	22,607	131,998	134,186
31	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
32	Delivered Volume	Line 30 times (1 - Line 31)	21,690	22,413	22,413	20,244	22,413	21,690	22,413	21,690	22,413	22,413	21,690	22,413	130,863	133,032
33	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746
34	Variable Transportation Costs	Line 32 times Line 33	\$ 1,618	\$ 1,672	\$ 1,672	\$ 1,510	\$ 1,672	\$ 1,618	\$ 1,672	\$ 1,618	\$ 1,672	\$ 1,672	\$ 1,618	\$ 1,672	\$ 9,762	\$ 9,924
35																
36	Granite State Gas Transmission (Contract 19-100-FT-NN)															
37	Receipt Point: Pleasant St.															
38	Delivery Point: Northern City Gates															
39	Received Volume	Line 32	54,540	56,358	56,358	50,904	56,358	54,540	56,358	54,540	56,358	56,358	54,540	56,358	329,058	334,512
40	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
41	City Gate Delivered Volume	Line 39 times (1 - Line 40)	54,349	56,161	56,161	50,726	56,161	54,349	56,161	54,349	56,161	56,161	54,349	56,161	327,906	333,341
42	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
43	Variable Transportation Costs	Line 41 times Line 42	\$ 65	\$ 67	\$ 67	\$ 61	\$ 67	\$ 65	\$ 67	\$ 65	\$ 67	\$ 67	\$ 65	\$ 67	\$ 393	\$ 400

Source of Supply: PXP Dawn Pipeline Path

Denotes Confidential Information			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
Line	City Gate Delivered Costs	Reference														
1	Purchased Volumes	Line 9	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
2	City Gate Delivered Volume	Line 57	227,792	240,125	240,125	216,887	240,125	52,641	-	-	-	-	-	-	1,217,695	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 28, 50 and 59														
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	\$ 8,390	\$ 8,844	\$ 8,844	\$ 7,988	\$ 8,844	\$ 1,939	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 44,850	\$ -
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Portland Supply Costs															
9	Purchased Volumes	Sendout Optimization	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5,305	\$ 5,398	\$ 5,465	\$ 5,370	\$ 5,013	\$ 3,939	\$ 3,810	\$ 3,839	\$ 3,871	\$ 3,879	\$ 3,863	\$ 3,890	\$ 5,250	-
11	NYMEX Cost	Line 9 times Line 10	\$1,242,667	\$1,332,913	\$1,349,457	\$1,197,676	\$1,237,846	\$ 213,228	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,573,786	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 14 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Union Pipeline (Contract M12296)															
19	Receipt Point: Union Dawn															
20	Delivery Point: Parkway															
21	Total Contract Received Volume	Sendout Optimization	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
22	Received Volume	Line 9	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
23	Percentage Allocated	Line 22 divided by Line 21	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
24	Received Volume	Line 9	234,244	246,927	246,927	223,031	246,927	54,132	-	-	-	-	-	-	1,252,189	-
25	Fuel Loss Rate	Att FXW-10, Line 41 of Page 2	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	-	-	-	-	-	-	0.81%	-
26	Delivered Volume	Line 24 times (1 - Line 25)	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
27	Variable Transportation Rate	Att FXW-10, Line 26 of Page 2	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	-	-	-	-	-	-	\$ 0.0248	-
28	Variable Transportation Costs	Line 26 times Line 27	\$ 5,762	\$ 6,074	\$ 6,074	\$ 5,486	\$ 6,074	\$ 1,332	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,803	\$ -
29																
30	TransCanada Pipeline (Contract 63265)															
31	Receipt Point: Parkway															
32	Delivery Point: E. Hereford (Interconnects with PNGTS at Pittsburg)															
33	Total Contract Received Volume	Sendout Optimization	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
34	Received Volume	Line 26	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
35	Percentage Allocated	Line 34 divided by Line 33	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	-
36	Received Volume	Line 26	232,347	244,927	244,927	221,224	244,927	53,694	-	-	-	-	-	-	1,242,047	-
37	Fuel Loss Rate	Att FXW-10, Line 40 of Page 2	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	-	-	-	-	-	-	1.34%	-
38	Delivered Volume	Line 36 times (1 - Line 37)	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
39																
40	PNGTS Pipeline (Contract 23339)															
41	Receipt Point: Pittsburg															
42	Delivery Point: Westbrook, Newton, Eliot															
43	Total Contract Received Volume	Sendout Optimization	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
44	Received Volume	Line 38	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
45	Percentage Allocated	Line 44 divided by Line 43	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	-
46	Received Volume	Line 38	229,234	241,645	241,645	218,260	241,645	52,975	-	-	-	-	-	-	1,225,403	-
47	Fuel Loss Rate	Att FXW-10, Line 34 of Page 2	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	-	-	-	-	-	-	0.28%	-
48	Delivered Volume	Line 46 times (1 - Line 47)	228,592	240,968	240,968	217,649	240,968	52,826	-	-	-	-	-	-	1,221,972	-
49	Variable Transportation Rate	Att FXW-10, Line 21 of Page 2	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	-	-	-	-	-	-	\$ 0.0103	-
50	Variable Transportation Costs	Line 48 times Line 49	\$ 2,354	\$ 2,482	\$ 2,482	\$ 2,242	\$ 2,482	\$ 544	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,586	\$ -
51																
52	Granite State Gas Transmission (Contract 19-100-FT-NN)															
53	Receipt Point: Westbrook, Newton, Eliot															
54	Delivery Point: Northern City Gates															
55	Received Volume	Line 48	228,592	240,968	240,968	217,649	240,968	52,826	-	-	-	-	-	-	1,221,972	-
56	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	-
57	City Gate Delivered Volume	Line 55 times (1 - Line 56)	227,792	240,125	240,125	216,887	240,125	52,641	-	-	-	-	-	-	1,217,695	-
58	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	-
59	Variable Transportation Costs	Line 57 times Line 58	\$ 273	\$ 288	\$ 288	\$ 260	\$ 288	\$ 63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,461	\$ -

Source of Supply: Tennessee Zone 0

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 21	109,016	116,535	61,759	68,502	116,535	11,021	-	-	-	-	-	-	483,367	-
2	City Gate Delivered Volume	Line 32	103,572	110,715	58,675	65,081	110,715	10,470	-	-	-	-	-	-	459,229	-
3	Total Purchase Cost	Line 2 times Line 3														
4	Variable Transportation Costs	Sum Lines 25 and 34	\$ 30,068	\$ 32,142	\$ 17,034	\$ 18,894	\$ 32,142	\$ 3,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 133,320	\$ -
5	Total City Gate Delivered Costs	Sum Lines 4 and 5														
6	Average Delivered Price	Line 6 divided by Line 2														
7																
8	<u>Tennessee Zone 0 Supply Costs</u>															
9	Purchased Volumes	Sendout Optimization	109,016	116,535	61,759	68,502	116,535	11,021	-	-	-	-	-	-	483,367	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.256	-
11	NYMEX Cost	Line 9 times Line 10	\$ 578,331	\$ 629,053	\$ 337,512	\$ 367,857	\$ 584,187	\$ 43,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,540,351	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 1 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Tennessee Gas Pipeline (Contract 5083)															
19	Receipt Point: Tennessee Zone 0															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Received Volume	Line 9	109,016	116,535	61,759	68,502	116,535	11,021	-	-	-	-	-	-	483,367	-
22	Fuel Loss Rate	Att FXW-10, Line 35 of Page 2	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%							4.66%	
23	Delivered Volume	Line 21 times (1 - Line 22)	103,936	111,104	58,881	65,310	111,104	10,507	-	-	-	-	-	-	460,842	-
24	Variable Transportation Rate	Att FXW-10, Line 22 of Page 2	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881							\$ 0.2881	
25	Variable Transportation Costs	Line 23 times Line 24	\$ 29,944	\$ 32,009	\$ 16,964	\$ 18,816	\$ 32,009	\$ 3,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 132,769	\$ -
26																
27	Granite State Gas Transmission (Contract 19-100-FT-NN)															
28	Receipt Point: Pleasant St.															
29	Delivery Point: Northern City Gates															
30	Received Volume	Line 23	103,936	111,104	58,881	65,310	111,104	10,507	-	-	-	-	-	-	460,842	-
31	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
32	City Gate Delivered Volume	Line 30 times (1 - Line 31)	103,572	110,715	58,675	65,081	110,715	10,470	-	-	-	-	-	-	459,229	-
33	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	
34	Variable Transportation Costs	Line 32 times Line 33	\$ 124	\$ 133	\$ 70	\$ 78	\$ 133	\$ 13	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 551	\$ -

Source of Supply: Tennessee Zone L

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 21	185,775	215,003	215,003	183,540	177,630	198	-	-	-	-	-	-	977,149	-
2	City Gate Delivered Volume	Line 32	177,608	205,552	205,552	175,472	169,822	189	-	-	-	-	-	-	934,196	-
3	Total Purchase Cost	Line 2 times Line 3														
4	Variable Transportation Costs	Sum Lines 25 and 34	\$ 45,003	\$ 52,083	\$ 52,083	\$ 44,462	\$ 43,030	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 236,709	\$ -
5	Total City Gate Delivered Costs	Sum Lines 4 and 5														
6	Average Delivered Price	Line 6 divided by Line 2														
7																
8	<u>Tennessee Zone L Supply Costs</u>															
9	Purchased Volumes	Sendout Optimization	185,775	215,003	215,003	183,540	177,630	198	-	-	-	-	-	-	977,149	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.320	-
11	NYMEX Cost	Line 9 times Line 10	\$ 985,535	\$ 1,160,587	\$ 1,174,992	\$ 985,611	\$ 890,458	\$ 780	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,197,964	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 2 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Tennessee Gas Pipeline (Contract 5083)															
19	Receipt Point: Tennessee Zone L															
20	Delivery Point: Pleasant St. (Interconnection with Granite)															
21	Received Volume	Line 9	185,775	215,003	215,003	183,540	177,630	198	-	-	-	-	-	-	977,149	-
22	Fuel Loss Rate	Att FXW-10, Line 36 of Page 2	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%							4.06%	
23	Delivered Volume	Line 21 times (1 - Line 22)	178,232	206,274	206,274	176,089	170,418	190	-	-	-	-	-	-	937,477	-
24	Variable Transportation Rate	Att FXW-10, Line 23 of Page 2	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513							\$ 0.2513	
25	Variable Transportation Costs	Line 23 times Line 24	\$ 44,790	\$ 51,837	\$ 51,837	\$ 44,251	\$ 42,826	\$ 48	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 235,588	\$ -
26																
27	Granite State Gas Transmission (Contract 19-100-FT-NN)															
28	Receipt Point: Pleasant St.															
29	Delivery Point: Northern City Gates															
30	Received Volume	Line 23	178,232	206,274	206,274	176,089	170,418	190	-	-	-	-	-	-	937,477	-
31	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
32	City Gate Delivered Volume	Line 30 times (1 - Line 31)	177,608	205,552	205,552	175,472	169,822	189	-	-	-	-	-	-	934,196	-
33	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	
34	Variable Transportation Costs	Line 32 times Line 33	\$ 213	\$ 247	\$ 247	\$ 211	\$ 204	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,121	\$ -

Source of Supply: Iroquois Receipts Pipeline Path

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
2	City Gate Delivered Volume	Line 35	187,431	193,679	193,679	174,936	193,679	-	-	-	-	-	-	-	943,403	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 28, 37, 46, 55, 64 and 73	\$ 19,270	\$ 16,183	\$ 16,183	\$ 14,617	\$ 16,183	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 82,437	\$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	<u>Iroquois Receipts Supply Costs</u>															
9	Purchased Volumes	Sendout Optimization	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.309	-
11	NYMEX Cost	Line 9 times Line 10	\$1,010,976	\$1,063,279	\$1,076,477	\$955,400	\$987,443	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$5,093,575	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 4 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Iroquois Pipeline (Contract R181001)															
19	Receipt Point: Waddington															
20	Delivery Point: Wright (Interconnection with Tennessee)															
21	Total Contract Received Volume	Sendout Optimization	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
22	Received Volume	Line 9	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
23	Percentage Allocated	Line 22 divided by Line 21	100.00%	100.00%	100.00%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%	-
24	Received Volume	Line 14	190,570	196,977	196,977	177,914	196,977	-	-	-	-	-	-	-	959,414	-
25	Fuel Loss Rate	Att FXW-10, Line 31 of Page 2	0.13%	0.13%	0.13%	0.13%	0.13%	-	-	-	-	-	-	-	0.13%	-
26	Delivered Volume	Line 24 times (1 - Line 25)	190,323	196,720	196,720	177,683	196,720	-	-	-	-	-	-	-	958,167	-
27	Variable Transportation Rate	Att FXW-10, Line 18 of Page 2	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046								\$ -	
28	Variable Transportation Costs	Line 26 times Line 27	\$ 875	\$ 905	\$ 905	\$ 817	\$ 905	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
29																
30	Tennessee Gas Pipeline (Contract 95196)															
31	Receipt Point: Wright															
32	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
33	Received Volume	Line 26	41,820	43,214	43,214	39,032	43,214	-	-	-	-	-	-	-	210,492	-
34	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	-	-	-	-	-	-	-	0.86%	-
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	41,460	42,842	42,842	38,696	42,842	-	-	-	-	-	-	-	208,682	-
36	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746								\$ 0.0746	
37	Variable Transportation Costs	Line 35 times Line 36	\$ 3,093	\$ 3,196	\$ 3,196	\$ 2,887	\$ 3,196	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,568	\$ -
38																
39	Tennessee Gas Pipeline (Contract 95196)															
40	Receipt Point: Wright															
41	Delivery Point: Pleasant St. (Interconnection with Granite)															
42	Received Volume	Line 35	19,881	20,544	20,544	18,556	20,544	-	-	-	-	-	-	-	100,068	-
43	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	-	-	-	-	-	-	-	0.86%	-
44	Delivered Volume	Line 42 times (1 - Line 43)	19,710	20,367	20,367	18,396	20,367	-	-	-	-	-	-	-	99,207	-
45	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746								\$ 0.0746	
46	Variable Transportation Costs	Line 44 times Line 45	\$ 1,470	\$ 1,519	\$ 1,519	\$ 1,372	\$ 1,519	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,401	\$ -
47																
48	Granite State Gas Transmission (Contract 19-100-FT-NN)															
49	Receipt Point: Pleasant St.															
50	Delivery Point: Northern City Gates															
51	Received Volume	Line 44	19,710	20,367	20,367	18,396	20,367	-	-	-	-	-	-	-	99,207	-
52	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	-
53	City Gate Delivered Volume	Line 51 times (1 - Line 52)	19,641	20,296	20,296	18,332	20,296	-	-	-	-	-	-	-	98,860	-
54	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	
55	Variable Transportation Costs	Line 53 times Line 54	\$ 24	\$ 24	\$ 24	\$ 22	\$ 24	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119	\$ -
56																
57	Tennessee Gas Pipeline (Contract 41099)															
58	Receipt Point: Wright															
59	Delivery Point: Mendon (Interconnection with Algonquin)															
60	Received Volume	Line 26	128,622	132,963	132,963	120,096	132,963	-	-	-	-	-	-	-	647,607	-
61	Fuel Loss Rate	Att FXW-10, Line 38 of Page 2	0.86%	0.86%	0.86%	0.86%	0.86%	-	-	-	-	-	-	-	0.86%	-
62	Delivered Volume	Line 60 times (1 - Line 61)	127,516	131,820	131,820	119,063	131,820	-	-	-	-	-	-	-	642,038	-
63	Variable Transportation Rate	Att FXW-10, Line 25 of Page 2	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746								\$ 0.0746	
64	Variable Transportation Costs	Line 62 times Line 63	\$ 9,513	\$ 9,834	\$ 9,834	\$ 8,882	\$ 9,834	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,896	\$ -
65																
66	Algonquin Gas Transmission (Contract 93200F)															
67	Receipt Point: Mendon															
68	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)															
69	Received Volume	Line 62	127,516	131,820	131,820	119,063	131,820	-	-	-	-	-	-	-	642,038	-
70	Fuel Loss Rate	Att FXW-10, Line 28 of Page 2	0.93%	0.97%	0.97%	0.97%	0.97%	-	-	-	-	-	-	-	0.96%	-
71	City Gate Delivered Volume	Line 69 times (1 - Line 70)	126,330	130,541	130,541	117,908	130,541	-	-	-	-	-	-	-	635,861	-
72	Variable Transportation Rate	Att FXW-10, Line 15 of Page 2	\$ 0.0340	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054								\$ 0.0111	
73	Variable Transportation Costs	Line 71 times Line 72	\$ 4,295	\$ 705	\$ 705	\$ 637	\$ 705	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,047	\$ -

Source of Supply: Atlantic Bridge Ramapo Pipeline Path

Denotes Confidential Information			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	183,178	192,545	192,545	173,911	192,545	183,714	189,838	183,714	189,838	189,838	183,714	189,838	1,118,438	1,126,782
2	City Gate Delivered Volume	Sum Lines 35	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497	1,074,008
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Sum Lines 37	\$ (10,174)	\$ (10,514)	\$ (10,514)	\$ (9,496)	\$ (10,514)	\$ (10,205)	\$ (10,545)	\$ (10,205)	\$ (10,545)	\$ (10,545)	\$ (10,205)	\$ (10,545)	\$ (61,416)	\$ (62,590)
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Ramapo Supply Purchases															
9	Purchased Volumes	Sendout Optimization	183,178	192,545	192,545	173,911	192,545	183,714	189,838	183,714	189,838	189,838	183,714	189,838	1,118,438	1,126,782
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.084	\$ 3.859
11	NYMEX Cost	Line 9 times Line 10	\$ 971.760	\$ 1,039,357	\$ 1,052,257	\$ 933,904	\$ 965,227	\$ 723,651	\$ 723,284	\$ 705,280	\$ 734,864	\$ 736,383	\$ 709,689	\$ 738,471	\$ 5,686,156	\$ 4,347,971
12	NYMEX Basis Price	Att FXW-10, Line 13 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Transportation Fuel Losses and Variable Charges															
18	Algonquin Pipeline (Contract 510939)															
19	Receipt Point: Ramapo, NJ															
20	Delivery Point: Beverly															
21	Received Volume	Line 15	183,178	192,545	192,545	173,911	192,545	183,714	189,838	183,714	189,838	189,838	183,714	189,838	1,118,438	1,126,782
22	Fuel Loss Rate	Att FXW-10, Line 29 of Page 2	3.75%	5.38%	5.38%	5.38%	5.38%								1.20%	1.20%
23	Delivered Volume	Line 21 times (1 - Line 22)	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
24	Variable Transportation Rate	Att FXW-10, Line 16 of Page 2	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)								\$ (0.0589)	
25	Variable Transportation Costs	Line 23 times Line 24	\$ (10,385)	\$ (10,731)	\$ (10,731)	\$ (9,692)	\$ (10,731)	\$ (10,415)	\$ (10,762)	\$ (10,415)	\$ (10,762)	\$ (10,762)	\$ (10,415)	\$ (10,762)	\$ (62,684)	\$ (63,879)
26																
27	Maritimes Pipeline (Contract 210363)															
28	Receipt Point: Beverly															
29	Delivery Point: Lewiston City-Gate															
30	Total Contract Received Volume	Sendout Optimization	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
31	Received Volume	Line 14	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
32	Percentage Allocated	Line 31 divided by Line 30	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
33	Received Volume	Line 15	176,309	182,186	182,186	164,555	182,186	176,825	182,719	176,825	182,719	182,719	176,825	182,719	1,064,247	1,084,528
34	Fuel Loss Rate	Att FXW-10, Line 32 of Page 2	0.68%	0.68%	0.68%	0.68%	0.68%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	1.20%	1.20%
35	City Gate Delivered Volume	Line 33 times (1 - Line 34)	175,110	180,947	180,947	163,436	180,947	175,110	180,947	175,110	180,947	180,947	175,110	180,947	1,056,497	1,074,008
36	Variable Transportation Rate	Att FXW-10, Line 19 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
37	Variable Transportation Costs	Line 35 times Line 36	\$ 210	\$ 217	\$ 217	\$ 196	\$ 217	\$ 210	\$ 217	\$ 210	\$ 217	\$ 217	\$ 210	\$ 217	\$ 1,268	\$ 1,289

Source of Supply: Tennessee Storage

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
2	Gross Withdrawn Volume	Line 10	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
3	City Gate Delivered Volume	Line 38	-	66,386	66,386	59,632	14,438	-	-	-	-	-	-	-	206,842	-
4	Total Withdrawal Costs	Line 18	\$	-	\$ 180,049	\$ 180,049	\$ 161,731	\$ 39,160	\$	-	\$	-	\$	-	\$ 560,989	\$
5	Variable Transportation Costs	Sum Lines 31 and 40	\$	-	\$ 6,628	\$ 6,628	\$ 5,954	\$ 1,442	\$	-	\$	-	\$	-	\$ 20,652	\$
6	Total City Gate Delivered Costs	Line 3 plus Line 4	\$	-	\$ 186,678	\$ 186,678	\$ 167,685	\$ 40,601	\$	-	\$	-	\$	-	\$ 581,642	\$
7	Average Delivered Price	Line 5 divided by Line 2		\$	2.812	\$ 2.812	\$ 2.812	\$ 2.812							\$ 2.812	
8																
9	Tennessee Storage Withdrawals															
10	Gross Withdrawn Volume	Sendout Optimization	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
11	Withdrawal Rate	FXW-10, Line 1 of Page 3	\$	0.0087	\$ 0.0087	\$ 0.0087	\$ 0.0087								\$ 0.0087	
12	Withdrawal Charges	Line 9 times Line 10	\$	-	\$ 587	\$ 587	\$ 527	\$ 128	\$	-	\$	-	\$	-	\$ 1,828	\$
13	Inventory Rate	CAK-7		\$	2,6610	\$ 2,6610	\$ 2,6610	\$ 2,6610							\$ 2,6610	
14	Withdrawn Inventory Value	Line 9 times Line 12	\$	-	\$ 179,463	\$ 179,463	\$ 161,204	\$ 39,032	\$	-	\$	-	\$	-	\$ 559,161	\$
15	Withdrawal Fuel Rate	FXW-10, Line 2 of Page 3		-	0.00%	0.00%	0.00%	0.00%							0.00%	
16	Withdrawal Fuel Losses	FXW-10, Line 1 of Page 3 times Line 9		-	-	-	-	-							-	
17	Net Withdrawn Volume	Line 9 minus Line 14	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
18	Total Withdrawal Costs	Line 11 plus Line 13	\$	-	\$ 180,049	\$ 180,049	\$ 161,731	\$ 39,160	\$	-	\$	-	\$	-	\$ 560,989	\$
19																
20	Transportation Fuel Losses and Variable Charges															
21	Tennessee Gas Pipeline (Contract 5265)															
22	Receipt Point: Tennessee FS-MA Withdrawal Meter															
23	Delivery Point: Pleasant St. (Interconnection with Granite)															
24	Total Contract Received Volume	Sendout Optimization	65,266	67,442	67,442	60,915	67,442	65,266	67,442	65,266	67,442	67,442	65,266	67,442	393,773	400,300
25	Received Volume	Line 17	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
26	Percentage Allocated	Line 25 divided by Line 24	0.00%	100.00%	100.00%	99.45%	21.75%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
27	Received Volume	Line 25	-	67,442	67,442	60,580	14,668	-	-	-	-	-	-	-	210,132	-
28	Fuel Loss Rate	Att FXW-10, Line 37 of Page 2		1.22%	1.22%	1.22%	1.22%								1.22%	
29	Delivered Volume	Line 27 times (1 - Line 28)	-	66,619	66,619	59,841	14,489	-	-	-	-	-	-	-	207,568	-
30	Variable Transportation Rate	Att FXW-10, Line 24 of Page 2		\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983								\$ 0.0983	
31	Variable Transportation Costs	Line 29 times Line 30	\$	-	\$ 6,549	\$ 6,549	\$ 5,882	\$ 1,424	\$	-	\$	-	\$	-	\$ 20,404	\$
32																
33	Granite State Gas Transmission (Contract 19-100-FT-NN)															
34	Receipt Point: Pleasant St.															
35	Delivery Point: Northern City Gates															
36	Received Volume	Line 29	-	66,619	66,619	59,841	14,489	-	-	-	-	-	-	-	207,568	-
37	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
38	City Gate Delivered Volume	Line 36 times (1 - Line 37)	-	66,386	66,386	59,632	14,438	-	-	-	-	-	-	-	206,842	-
39	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$	0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$
40	Variable Transportation Costs	Line 38 times Line 39	\$	-	\$ 80	\$ 80	\$ 72	\$ 17	\$	-	\$	-	\$	-	\$ 248	\$

Source of Supply: Union Dawn Storage

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Gross Withdrawn Volume	Line 9	344,586	685,851	771,425	836,366	602,838	-	-	-	-	-	-	-	3,241,066	-
2	City Gate Delivered Volume	Line 59	334,018	664,818	747,767	810,716	584,350	-	-	-	-	-	-	-	3,141,670	-
3	Total Withdrawal Costs	Line 17	\$ 1,035,067	\$ 2,060,160	\$ 2,317,207	\$ 2,512,276	\$ 1,810,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,735,514	\$ -
4	Variable Transportation Costs	Sum Lines 30, 52 and 61	\$ 9,229	\$ 18,368	\$ 20,660	\$ 22,400	\$ 16,145	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,802	\$ -
5	Total City Gate Delivered Costs	Line 3 plus Line 4	\$ 1,044,295	\$ 2,078,528	\$ 2,337,868	\$ 2,534,675	\$ 1,826,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,822,316	\$ -
6	Average Delivered Price	Line 5 divided by Line 2	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126								\$ 3.126	
7																
8	Union Dawn Storage Withdrawals															
9	Gross Withdrawn Volume	Sendout Optimization	344,586	685,851	771,425	836,366	602,838	-	-	-	-	-	-	-	3,241,066	-
10	Withdrawal Rate	FXW-10, Line 2 of Page 3	\$ 0.006	\$ 0.006	\$ 0.006	\$ 0.006	\$ 0.006								\$ 0.006	
11	Withdrawal Charges	Line 9 times Line 10	\$ 1,999	\$ 3,978	\$ 4,474	\$ 4,851	\$ 3,496	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,798	\$ -
12	Inventory Rate	CAK-7	\$ 2,998	\$ 2,998	\$ 2,998	\$ 2,998	\$ 2,998	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,998	\$ -
13	Withdrawn Inventory Value	Line 9 times Line 12	\$ 1,033,068	\$ 2,056,182	\$ 2,312,733	\$ 2,507,425	\$ 1,807,308	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,716,716	\$ -
14	Withdrawal Fuel Rate	FXW-10, Line 2 of Page 3	0.60%	0.60%	0.60%	0.60%	0.60%								0.60%	
15	Withdrawal Fuel Losses	Line 14 times Line 9	2,068	4,115	4,629	5,018	3,617	-	-	-	-	-	-	-	19,446	-
16	Net Withdrawn Volume	Line 9 minus Line 14	342,518	681,736	766,797	831,348	599,221	-	-	-	-	-	-	-	3,221,620	-
17	Total Withdrawal Costs	Line 11 plus Line 13	\$ 1,035,067	\$ 2,060,160	\$ 2,317,207	\$ 2,512,276	\$ 1,810,804	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,735,514	\$ -
18																
19	Transportation Fuel Losses and Variable Charges															
20	Union Pipeline (Contract M12256)															
21	Receipt Point: Union Dawn															
22	Delivery Point: Parkway															
23	Total Contract Received Volume	Sendout Optimization	342,518	681,736	766,797	838,696	627,874	765,591	328,580	137,241	94,663	100,068	135,759	425,936	4,023,212	1,222,246
24	Received Volume	Line 16	342,518	681,736	766,797	831,348	599,221	-	-	-	-	-	-	-	3,221,620	-
25	Percentage Allocated	Line 24 divided by Line 23	100.00%	100.00%	100.00%	99.12%	95.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	80.08%	0.00%
26	Received Volume	Line 24	342,518	681,736	766,797	831,348	599,221	-	-	-	-	-	-	-	3,221,620	-
27	Fuel Loss Rate	Att FXW-10, Line 41 of Page 2	0.81%	0.81%	0.81%	0.81%	0.81%								0.81%	
28	Delivered Volume	Line 26 times (1 - Line 27)	339,744	676,214	760,586	824,614	594,367	-	-	-	-	-	-	-	3,195,524	-
29	Variable Transportation Rate	Att FXW-10, Line 26 of Page 2	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248	\$ 0.0248								\$ 0.0248	
30	Variable Transportation Costs	Line 28 times Line 29	\$ 8,426	\$ 16,770	\$ 18,863	\$ 20,450	\$ 14,740	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 79,249	\$ -
31																
32	TransCanada Pipeline (Contracts 57055 & 57091)															
33	Receipt Point: Parkway															
34	Delivery Point: East Hereford															
35	Total Contract Received Volume	Sendout Optimization	339,744	676,214	760,586	831,903	622,788	759,389	325,918	136,130	93,896	99,257	134,659	422,486	3,990,624	1,212,346
36	Received Volume	Line 28	339,744	676,214	760,586	824,614	594,367	-	-	-	-	-	-	-	3,195,524	-
37	Percentage Allocated	Line 36 divided by Line 35	100.00%	100.00%	100.00%	99.12%	95.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	80.08%	0.00%
38	Received Volume	Line 36	339,744	676,214	760,586	824,614	594,367	-	-	-	-	-	-	-	3,195,524	-
39	Fuel Loss Rate	Att FXW-10, Line 40 of Page 2	1.34%	1.34%	1.34%	1.34%	1.34%								1.34%	
40	Delivered Volume	Line 38 times (1 - Line 39)	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
41																
42	PNGTS Pipeline (Contract 208543)															
43	Receipt Point: Pittsburg (interconnect with East Hereford)															
44	Delivery Point: Westbrook, Newington, Eliot															
45	Total Contract Received Volume	Sendout Optimization	335,191	667,153	750,394	820,755	614,443	749,214	321,551	134,306	92,638	97,927	132,855	416,824	3,937,150	1,196,100
46	Received Volume	Line 40	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
47	Percentage Allocated	Line 46 divided by Line 45	100.00%	100.00%	100.00%	99.12%	95.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	80.08%	0.00%
48	Received Volume	Sendout Optimization	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
49	Fuel Loss Rate	Att FXW-10, Line 33 of Page 2	0.00%	0.00%	0.00%	0.00%	0.00%								0.00%	
50	Delivered Volume	Line 48 times (1 - Line 49)	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
51	Variable Transportation Rate	Att FXW-10, Line 20 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012								\$ 0.0012	
52	Variable Transportation Costs	Line 50 times Line 51	\$ 402	\$ 801	\$ 900	\$ 976	\$ 704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,770	\$ -
53																
54	Granite State Gas Transmission (Contract 19-100-FT-NN)															
55	Receipt Point: Westbrook, Newington, Eliot															
56	Delivery Point: Northern City Gates															
57	Received Volume	Line 50	335,191	667,153	750,394	813,564	586,403	-	-	-	-	-	-	-	3,152,704	-
58	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
59	City Gate Delivered Volume	Line 57 times (1 - Line 58)	334,018	664,818	747,767	810,716	584,350	-	-	-	-	-	-	-	3,141,670	-
60	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	
61	Variable Transportation Costs	Line 59 times Line 60	\$ 401	\$ 798	\$ 897	\$ 973	\$ 701	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,770	\$ -

Source of Supply: PNGTS Delivered Baseload (Dec - Feb

Denotes Confidential Information			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
Line	City Gate Delivered Costs	Reference														
1	Purchased Volumes	Line 9	-	77,500	77,500	70,000	-	-	-	-	-	-	-	-	225,000	-
2	City Gate Delivered Volume	Line 23	-	77,229	77,229	69,755	-	-	-	-	-	-	-	-	224,213	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	Line 25	\$	-	\$ 93	\$ 93	\$ 84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 269	\$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	<u>Portland Supply Costs</u>															
9	Purchased Volumes	Sendout Optimization	-	77,500	77,500	70,000	-	-	-	-	-	-	-	-	225,000	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.412	-
11	NYMEX Cost	Line 9 times Line 10	\$	-	\$ 418,345	\$ 423,538	\$ 375,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,217,783	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 16 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Granite State Gas Transmission (Contract 19-100-FT-NN)															
19	Receipt Point: Granite (Westbrook, Newington, Eliot)															
20	Delivery Point: Northern City Gates															
21	Received Volume	Line 9	-	77,500	77,500	70,000	-	-	-	-	-	-	-	-	225,000	-
22	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	-
23	City Gate Delivered Volume	Line 21 times (1 - Line 22)	-	77,229	77,229	69,755	-	-	-	-	-	-	-	-	224,213	-
24	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	-
25	Variable Transportation Costs	Line 23 times Line 24	\$	-	\$ 93	\$ 93	\$ 84	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 269	\$ -

Source of Supply: Northern LNG Inventory
On-System Storage

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Gross Withdrawn Volume	Line 9	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
2	City Gate Delivered Volume	Line 15	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
3	Total Withdrawal Costs	Line 16														
4	Variable Transportation Costs	N/A														
5	Total City Gate Delivered Costs	Line 3 plus Line 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Northern LNG Withdrawn Inventory															
9	Gross Withdrawn Volume	Sendout Optimization	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
10	Withdrawal Rate	N/A	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11	Withdrawal Charges	Line 9 times Line 10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
12	Inventory Rate	CAK-7														
13	Withdrawn Inventory Value	Line 9 times Line 12														
14	Withdrawal Fuel Losses	N/A														
15	Net Withdrawn Volume	Line 9 minus Line 14	1,794	1,854	1,854	1,674	1,854	1,794	1,860	1,800	1,860	1,860	1,800	1,860	10,824	11,040
16	Total Withdrawal Costs	Line 11 plus Line 13														

Source of Supply: Peaking Contract 1

Denotes Confidential Information			Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
Line	City Gate Delivered Costs	Reference														
1	Purchased Volumes	Line 9	-	13,649	243,843	11,017	261	-	-	-	-	-	-	-	-	-
2	City Gate Delivered Volume	Line 24	-	13,649	243,664	11,017	261	-	-	-	-	-	-	-	-	-
3	Total Purchase Cost	Line 15													268,770	
4	Variable Transportation Costs	Line 26														
5	Total City Gate Delivered Costs	Sum Lines 3 and 4													268,591	
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	<u>Peaking Contract 1 Costs</u>															
9	Purchased Volumes	Sendout Optimization	-	13,649	243,843	11,017	261	-	-	-	-	-	-	-	-	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$ 5.305	\$ 5.398	\$ 5.485	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890	\$ 5.457	
11	NYMEX Cost	Line 9 times Line 10	\$ -	\$ 73,680	\$ 1,332,601	\$ 59,164	\$ 1,307	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,466,752	\$ -
12	NYMEX Basis Price	Att FXW-10, Line 17 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	<u>Transportation Fuel Losses and Variable Charges</u>															
18	Granite State Gas Transmission (Contract 19-100-FT-NN)															
19	Receipt Point: Westbrook															
20	Delivery Point: Northern City Gates															
21	City Gate Delivered Volume	Lewiston City-Gate - Non-GSGT	-	13,649	192,693	11,017	261	-	-	-	-	-	-	-	-	-
22	Received Volume	Line 9	-	-	51,150	-	-	-	-	-	-	-	-	-	51,150	-
23	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
24	City Gate Delivered Volume	Line 22 times (1 - Line 23)	-	-	50,971	-	-	-	-	-	-	-	-	-	50,971	-
25	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
26	Variable Transportation Costs	Line 24 times Line 25	\$ -	\$ -	\$ 61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61	\$ -

Source of Supply: Peaking Contract 2

Denotes Confidential Information

Line	City Gate Delivered Costs	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	2021-2022 Winter	2022 Summer
1	Purchased Volumes	Line 9	-	42,329	105,286	87,868	64,517	-	-	-	-	-	-	-	300,000	-
2	City Gate Delivered Volume	Line 1	-	42,181	104,918	87,560	64,291	-	-	-	-	-	-	-	298,950	-
3	Total Purchase Cost	Line 15														
4	Variable Transportation Costs	N/A	\$	-	\$	51	\$	126	\$	105	\$	77	\$	-	\$	-
5	Total City Gate Delivered Costs	Sum Lines 3 and 4														
6	Average Delivered Price	Line 5 divided by Line 2														
7																
8	Maritimes Supply Costs															
9	Purchased Volumes	Sendout Optimization	-	42,329	105,286	87,868	64,517	-	-	-	-	-	-	-	300,000	-
10	Monthly NYMEX Price	Att FXW-10, Line 20 of Page 1	\$	5,305	\$	5,398	\$	5,465	\$	5,370	\$	5,013	\$	3,939	\$	3,810
11	NYMEX Cost	Line 9 times Line 10	\$	-	\$	228,491	\$	575,391	\$	471,849	\$	323,424	\$	-	\$	-
12	NYMEX Basis Price	Att FXW-10, Line 18 of Page 1														
13	NYMEX Basis Costs	Line 9 times Line 12														
14	Total Purchase Price	Line 10 plus Line 12														
15	Total Purchase Cost	Line 11 plus Line 13														
16																
17	Granite State Gas Transmission (Contract 19-100-FT-NN)															
18	Receipt Point: Westbrook, Newington, Elliot															
19	Delivery Point: Northern City Gates															
20	Received Volume	Line 12	-	42,329	105,286	87,868	64,517	-	-	-	-	-	-	-	-	-
21	Fuel Loss Rate	Att FXW-10, Line 30 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	-
22	City Gate Delivered Volume	Line 20 times (1 - Line 21)	-	42,181	104,918	87,560	64,291	-	-	-	-	-	-	-	-	-
23	Variable Transportation Rate	Att FXW-10, Line 17 of Page 2	\$	0.0012	\$	0.0012	\$	0.0012	\$	0.0012	\$	0.0012	\$	0.0012	\$	0.0012
24	Variable Transportation Costs	Line 22 times Line 23	\$	-	\$	51	\$	126	\$	105	\$	77	\$	-	\$	-

REDACTED

Northern Utilities, Inc.
Natural Gas Commodity Price Forecast
Based upon NYMEX Settlement for September 14, 2021

Denotes Confidential Information

		Estimated Adders to NYMEX Last Day Settlement											
Line	Supply Source	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
1	Tennessee Zone 0												
2	Tennessee Zone L												
3	Tennessee Niagara												
4	Iroquois Receipts												
5	Transco Zone 6, non-NY												
6	Texas Eastern Zone M-3												
7	Leidy Hub												
8	Tennessee Zone 4 Station 313 Pool												
9	Tennessee Zone 4 Storage Injection												
10	Union Dawn Storage - Dawn Supply												
11	Union Dawn Storage Injection												
12	LNG Contract												
13	Atlantic Bridge - Ramapo												
14	PXP - Dawn Supply												
15	Incremental Supply												
16	PNGTS Delivered Baseload (Dec - Feb)												
17	Peaking Contract 1												
18	Peaking Contract 2												
19	WXP - Dawn Supply												
20	NYMEX	\$ 5.305	\$ 5.398	\$ 5.465	\$ 5.370	\$ 5.013	\$ 3.939	\$ 3.810	\$ 3.839	\$ 3.871	\$ 3.879	\$ 3.863	\$ 3.890

Northern Utilities, Inc.
Transportation Contract Rates
November 2021 through October 2022
Fixed Demand Rates (\$ per Dth/Month)

Line	Pipeline	Rate Schedule	Receipt	Delivery	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
1	Algonquin	AFT-1	N/A	N/A	AGT-1	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927	\$ 8.5927
2	Algonquin	AFT-1 (AB)	N/A	N/A	AGT-4	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170	\$ 54.9170
3	Granite	FT-NN	N/A	N/A	GSGT-1	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096	\$ 5.9096
4	Iroquois	RTS-1	Zone 1	Zone 1	IGTS-1	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357	\$ 5.2357
5	Maritimes	MN365	N/A	N/A	MNUS-1	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833	\$ 13.3833
6	PNGTS	FT (C2C)	N/A	N/A	PNGTS-1	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500	\$ 18.2500
7	PNGTS	FT (PXP)	N/A	N/A	PNGTS-3	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125	\$ 22.8125
8	Tennessee	FT-A	Zone 0	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192	\$ 19.9192
9	Tennessee	FT-A	Zone L	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842	\$ 17.6842
10	Tennessee	FT-A	Zone 4	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053	\$ 7.0053
11	Tennessee	FT-A	Zone 5	Zone 6	TGP-1 (PCB & PS/GHG), TGP-5 (2021 Rates)	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560	\$ 6.1560
12	Texas Eastern	FT-1/FTS	M3	M3	TETCO-1	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660	\$ 7.0660
13	TransCanada	FT	Parkway	E. Hereford	CAD-1	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546	\$ 17.7546
14	Union	M12	Dawn	Parkway	CAD-1	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942	\$ 3.0942

Variable Transportation Commodity Rates (\$/Dth)

Line	Pipeline	Rate Schedule	Receipt	Delivery	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
15	Algonquin	AFT-1	N/A	N/A	AGT-1 (Max Commodity, Surcharge), FERC-1 (ACA)	\$ 0.0340	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054
16	Algonquin	AFT-1 (AB)	N/A	N/A	AGT-1 (Surcharge), FERC-1 (ACA), See Note 1.	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)	\$ (0.0589)
17	Granite	FT-NN	N/A	N/A	GSGT-1 (Commodity), FERC-1 (ACA)	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
18	Iroquois	RTS-1	Zone 1	Zone 1	IGTS-1 (Commodity), FERC-1 (ACA)	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046	\$ 0.0046
19	Maritimes	MN365	N/A	N/A	MNUS-1 (Commodity), FERC-1 (ACA)	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
20	PNGTS	FT (C2C)	N/A	N/A	FERC-1 (ACA)	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012	\$ 0.0012
21	PNGTS	FT (PXP)	N/A	N/A	PNGTS-7 (PXP Commodity), FERC-1 (ACA)	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103	\$ 0.0103
22	Tennessee	FT-A	Zone 0	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881	\$ 0.2881
23	Tennessee	FT-A	Zone L	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513	\$ 0.2513
24	Tennessee	FT-A	Zone 4	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983	\$ 0.0983
25	Tennessee	FT-A	Zone 5	Zone 6	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746	\$ 0.0746
26	Union	M12	Dawn	Parkway	CAD-1	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253	\$ 0.0253
27	Texas Eastern	FT-1/FTS	M3	M3	TGP-2 (PS/GHG), TGP-3 (EPCR), TGP-5, FERC-1	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587	\$ 0.0587

Transportation Fuel Rates (Percentage)

Line	Pipeline	Rate Schedule	Receipt	Delivery	Reference	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
28	Algonquin	AFT-1	N/A	N/A	AGT-2	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%
29	Algonquin	AFT-1 (AB)	N/A	N/A	AGT-2	3.75%	5.38%	5.38%	5.38%	5.38%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%
30	Granite	FT-NN	N/A	N/A	GSGT-1	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
31	Iroquois	RTS-1	Zone 1	Zone 1	IGTS-3	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
32	Maritimes	MN365	N/A	N/A	MNUS-3	0.68%	0.68%	0.68%	0.68%	0.68%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
33	PNGTS	FT (C2C)	N/A	N/A	PNGTS-5 (Measurement Variance)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	PNGTS	FT (PXP)	N/A	N/A	PNGTS-5 (Measurement Variance), PNGTS-6 (PXP Fuel)	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
35	Tennessee	FT-A	Zone 0	Zone 6	TGP-3	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
36	Tennessee	FT-A	Zone L	Zone 6	TGP-3	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%
37	Tennessee	FT-A	Zone 4	Zone 6	TGP-3	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
38	Tennessee	FT-A	Zone 5	Zone 6	TGP-3	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
39	Texas Eastern	FT-1/FTS	M3	M3	TETLP-3&4	1.44%	1.51%	1.70%	1.70%	1.70%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%
40	TransCanada	FT	Parkway	E. Hereford	CAD-7	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
41	Union	M12	Dawn	Parkway	CAD-8	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%

Northern Utilities, Inc. Underground Storage Contract Rates November 2021 through October 2022										
Line	Storage	Rate Schedule	Notes	Reference	Space Rate	Demand Rate	Withdrawal Rate	Withdrawal Fuel Loss	Injection Rate	Injection Fuel Loss
1	Tennessee	FS-MA		TGP-5 (2021 TGP Settlement Rates), TGP-4 (Inj Fuel)	\$ 0.0175	\$ 1.2801	\$ 0.0087	0.00%	\$ 0.0087	1.62%
2	Union	Storage	1	CAD-9	\$ 0.0592	\$ -	\$ 0.0059	0.60%	\$ 0.0059	0.60%

Note 1 The demand charge for Union Storage shall be \$236,666.67 per month divided by Maximum Storage Balance of 4,000,000 Dth.
The Withdrawal Rate and Injection Rate are equal to contractual variable rate converted from \$CAD/GJ to \$USD/Dth. Calculations are on CAD-1.

Canadian Tolls

Line	Item	Units	TCPL and Enbridge Tolls	Reference
1	Union Parkway Belt to East Hereford on TCPL			
2	Demand Toll	\$CAD / GJ	\$ 19.27504	CAD-3
3	Delivery Pressure Demand Toll	\$CAD / GJ	\$ 0.60833	CAD-2
4	Abandonment Surcharge	\$CAD / GJ	\$ 1.14671	CAD-4
5	Total Demand Toll	\$CAD / GJ	\$ 21.03008	Sum of Above
6	\$USD to \$CAD	Ratio	1.2497	CAD-6
7	Total Demand Toll	\$US / GJ	\$ 16.8281	Line 5 divided by Line 6
8	GJ per Dth	Ratio	1.055056	
9	Total Demand Toll	\$US / Dth	<u>\$ 17.7546</u>	Line 7 divided by Line 8
10				
11	Dawn to Parkway on Enbridge Gas, Inc. Pipeline			
12	Total Demand Toll	\$CAD / GJ	\$ 3.6650	CAD-5
13	\$USD to \$CAD	Ratio	1.2497	CAD-6
14	Total Demand Toll	\$US / GJ	\$ 2.9327	Line 12 divided by Line 13
15	GJ per Dth	Ratio	1.055056	
16	Total Demand Toll	\$US / Dth	<u>\$ 3.0942</u>	Line 14 divided by Line 15
17				
18	Dawn to Parkway on Enbridge Gas, Inc. Pipeline			
19	Facility Carbon Charge	\$CAD / GJ	\$ 0.0300	CAD-5
20	\$USD to \$CAD	Ratio	1.2497	CAD-6
21	Total Demand Toll	\$US / GJ	\$ 0.0240	Line 12 divided by Line 13
22	GJ per Dth	Ratio	1.055056	
23	Facility Carbon Charge	\$US / Dth	<u>\$ 0.0253</u>	Line 14 divided by Line 15
24				
18	Enbridge Gas, Inc. Storage Injection/Withdrawal Charges			
19	Variable Storage Charges	\$CAD / GJ	\$ 0.0070	CAD-9
20	\$USD to \$CAD	Ratio	1.2497	CAD-6
21	Variable Storage Charges	\$US / GJ	\$ 0.0056	Line 12 divided by Line 13
22	GJ per Dth	Ratio	1.055056	
23	Variable Storage Charges	\$US / Dth	<u>\$ 0.0059</u>	Line 14 divided by Line 15

Year	Month	GSGT FLOW	BSG EXCH	P1_5083	P1 TGP Z0-Z6
2021	11	5.9096		0	0 19.9192
2021	12	5.9096		0	0 19.9192
2022	1	5.9096		0	0 19.9192
2022	2	5.9096		0	0 19.9192
2022	3	5.9096		0	0 19.9192
2022	4	5.9096		0	0 19.9192
2022	5	5.9096		0	0 19.9192
2022	6	5.9096		0	0 19.9192
2022	7	5.9096		0	0 19.9192
2022	8	5.9096		0	0 19.9192
2022	9	5.9096		0	0 19.9192
2022	10	5.9096		0	0 19.9192
2022	11	5.9096		0	0 19.692
2022	12	5.9096		0	0 19.692
2023	1	5.9096		0	0 19.692
2023	2	5.9096		0	0 19.692
2023	3	5.9096		0	0 19.692
2023	4	5.9096		0	0 19.692
2023	5	5.9096		0	0 19.692
2023	6	5.9096		0	0 19.692
2023	7	5.9096		0	0 19.692
2023	8	5.9096		0	0 19.692
2023	9	5.9096		0	0 19.692
2023	10	5.9096		0	0 19.692
2023	11	5.9096		0	0 19.692
2023	12	5.9096		0	0 19.692
2024	1	5.9096		0	0 19.692
2024	2	5.9096		0	0 19.692
2024	3	5.9096		0	0 19.692
2024	4	5.9096		0	0 19.692
2024	5	5.9096		0	0 19.692
2024	6	5.9096		0	0 19.692
2024	7	5.9096		0	0 19.692
2024	8	5.9096		0	0 19.692
2024	9	5.9096		0	0 19.692
2024	10	5.9096		0	0 19.692
2024	11	5.9096		0	0 19.692
2024	12	5.9096		0	0 19.692
2025	1	5.9096		0	0 19.692
2025	2	5.9096		0	0 19.692
2025	3	5.9096		0	0 19.692
2025	4	5.9096		0	0 19.692
2025	5	5.9096		0	0 19.692
2025	6	5.9096		0	0 19.692
2025	7	5.9096		0	0 19.692
2025	8	5.9096		0	0 19.692

2025	9	5.9096	0	0	19.692
2025	10	5.9096	0	0	19.692
2025	11	5.9096	0	0	19.692
2025	12	5.9096	0	0	19.692
2026	1	5.9096	0	0	19.692
2026	2	5.9096	0	0	19.692
2026	3	5.9096	0	0	19.692
2026	4	5.9096	0	0	19.692
2026	5	5.9096	0	0	19.692
2026	6	5.9096	0	0	19.692
2026	7	5.9096	0	0	19.692
2026	8	5.9096	0	0	19.692
2026	9	5.9096	0	0	19.692
2026	10	5.9096	0	0	19.692
2026	11	5.9096	0	0	19.692
2026	12	5.9096	0	0	19.692
2027	1	5.9096	0	0	19.692
2027	2	5.9096	0	0	19.692
2027	3	5.9096	0	0	19.692
2027	4	5.9096	0	0	19.692

[illegible]

17.4826	0	6.0861	6.0861	6.0861
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17.4826	0	6.0861	6.0861	6.0861
17.4826	0	6.0861	6.0861	6.0861
17.4826	0	6.0861	6.0861	6.0861
17.4826	0	6.0861	6.0861	6.0861
17.4826	0	6.0861	6.0861	6.0861

[illegible]

6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927
6.0861	8.5927	6.0861	5.2357	8.5927

[illegible]

8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546
8.5927	7.066	6.9257	18.25	17.7546

[illegible]

3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833
3.0942	0	0	54.917	13.3833

[illegible]

3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546
3.0942	17.7546	22.8125	3.0942	17.7546

P13 WXP PNGT

[illegible]

24.9417
24.9417
24.9417
24.9417
24.9417
24.9417
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24.9417
24.9417
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24.9417
24.9417
24.9417
24.9417

Year	Month	GSGT FLOW	BSG EXCH	P1_5083	P1 TGP Z0-Z6
2021	11	0.0012		0	0 0.2881
2021	12	0.0012		0	0 0.2881
2022	1	0.0012		0	0 0.2881
2022	2	0.0012		0	0 0.2881
2022	3	0.0012		0	0 0.2881
2022	4	0.0012		0	0 0.2881
2022	5	0.0012		0	0 0.2881
2022	6	0.0012		0	0 0.2881
2022	7	0.0012		0	0 0.2881
2022	8	0.0012		0	0 0.2881
2022	9	0.0012		0	0 0.2881
2022	10	0.0012		0	0 0.2881
2022	11	0.0012		0	0 0.2851
2022	12	0.0012		0	0 0.2851
2023	1	0.0012		0	0 0.2851
2023	2	0.0012		0	0 0.2851
2023	3	0.0012		0	0 0.2851
2023	4	0.0012		0	0 0.2851
2023	5	0.0012		0	0 0.2851
2023	6	0.0012		0	0 0.2851
2023	7	0.0012		0	0 0.2851
2023	8	0.0012		0	0 0.2851
2023	9	0.0012		0	0 0.2851
2023	10	0.0012		0	0 0.2851
2023	11	0.0012		0	0 0.2851
2023	12	0.0012		0	0 0.2851
2024	1	0.0012		0	0 0.2851
2024	2	0.0012		0	0 0.2851
2024	3	0.0012		0	0 0.2851
2024	4	0.0012		0	0 0.2851
2024	5	0.0012		0	0 0.2851
2024	6	0.0012		0	0 0.2851
2024	7	0.0012		0	0 0.2851
2024	8	0.0012		0	0 0.2851
2024	9	0.0012		0	0 0.2851
2024	10	0.0012		0	0 0.2851
2024	11	0.0012		0	0 0.2851
2024	12	0.0012		0	0 0.2851
2025	1	0.0012		0	0 0.2851
2025	2	0.0012		0	0 0.2851
2025	3	0.0012		0	0 0.2851
2025	4	0.0012		0	0 0.2851
2025	5	0.0012		0	0 0.2851
2025	6	0.0012		0	0 0.2851
2025	7	0.0012		0	0 0.2851
2025	8	0.0012		0	0 0.2851

2025	9	0.0012	0	0	0.2851
2025	10	0.0012	0	0	0.2851
2025	11	0.0012	0	0	0.2851
2025	12	0.0012	0	0	0.2851
2026	1	0.0012	0	0	0.2851
2026	2	0.0012	0	0	0.2851
2026	3	0.0012	0	0	0.2851
2026	4	0.0012	0	0	0.2851
2026	5	0.0012	0	0	0.2851
2026	6	0.0012	0	0	0.2851
2026	7	0.0012	0	0	0.2851
2026	8	0.0012	0	0	0.2851
2026	9	0.0012	0	0	0.2851
2026	10	0.0012	0	0	0.2851
2026	11	0.0012	0	0	0.2851
2026	12	0.0012	0	0	0.2851
2027	1	0.0012	0	0	0.2851
2027	2	0.0012	0	0	0.2851
2027	3	0.0012	0	0	0.2851
2027	4	0.0012	0	0	0.2851

[illegible]

0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738
0.2487	0.0972	0.0738	0.0738	0.0738

[illegible]

0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054
0.0738	0.0054	0.0738	0.0046	0.0054

[illegible]

0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0
0.0054	0.0587	0.0972	0.0012	0

[illegible]

0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012
0.0253	1.23	0	-0.0589	0.0012

[illegible]

0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0
0.0253	0	0.0103	0.0253	0

P13 WXP PNGT

[illegible]

0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103
0.0103

Year	Month	GSGT FLOW	BSG EXCH	P1_5083	P1 TGP Z0-Z6
2021	11	0.35	0	0	4.66
2021	12	0.35	0	0	4.66
2022	1	0.35	0	0	4.66
2022	2	0.35	0	0	4.66
2022	3	0.35	0	0	4.66
2022	4	0.35	0	0	4.66
2022	5	0.35	0	0	4.66
2022	6	0.35	0	0	4.66
2022	7	0.35	0	0	4.66
2022	8	0.35	0	0	4.66
2022	9	0.35	0	0	4.66
2022	10	0.35	0	0	4.66
2022	11	0.35	0	0	4.66
2022	12	0.35	0	0	4.66
2023	1	0.35	0	0	4.66
2023	2	0.35	0	0	4.66
2023	3	0.35	0	0	4.66
2023	4	0.35	0	0	4.66
2023	5	0.35	0	0	4.66
2023	6	0.35	0	0	4.66
2023	7	0.35	0	0	4.66
2023	8	0.35	0	0	4.66
2023	9	0.35	0	0	4.66
2023	10	0.35	0	0	4.66
2023	11	0.35	0	0	4.66
2023	12	0.35	0	0	4.66
2024	1	0.35	0	0	4.66
2024	2	0.35	0	0	4.66
2024	3	0.35	0	0	4.66
2024	4	0.35	0	0	4.66
2024	5	0.35	0	0	4.66
2024	6	0.35	0	0	4.66
2024	7	0.35	0	0	4.66
2024	8	0.35	0	0	4.66
2024	9	0.35	0	0	4.66
2024	10	0.35	0	0	4.66
2024	11	0.35	0	0	4.66
2024	12	0.35	0	0	4.66
2025	1	0.35	0	0	4.66
2025	2	0.35	0	0	4.66
2025	3	0.35	0	0	4.66
2025	4	0.35	0	0	4.66
2025	5	0.35	0	0	4.66
2025	6	0.35	0	0	4.66
2025	7	0.35	0	0	4.66
2025	8	0.35	0	0	4.66

2025	9	0.35	0	0	4.66
2025	10	0.35	0	0	4.66
2025	11	0.35	0	0	4.66
2025	12	0.35	0	0	4.66
2026	1	0.35	0	0	4.66
2026	2	0.35	0	0	4.66
2026	3	0.35	0	0	4.66
2026	4	0.35	0	0	4.66
2026	5	0.35	0	0	4.66
2026	6	0.35	0	0	4.66
2026	7	0.35	0	0	4.66
2026	8	0.35	0	0	4.66
2026	9	0.35	0	0	4.66
2026	10	0.35	0	0	4.66
2026	11	0.35	0	0	4.66
2026	12	0.35	0	0	4.66
2027	1	0.35	0	0	4.66
2027	2	0.35	0	0	4.66
2027	3	0.35	0	0	4.66
2027	4	0.35	0	0	4.66

[illegible]

4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86
4.06	1.22	0.86	0.86	0.86

P3 TGP2	P3 AGT	P3 TGP3	P3 IROQ	P5 AGT (TMT)	
	0.86	0.93	0.86	0.13	0.93
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.97	0.86	0.13	0.97
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93
	0.86	0.93	0.86	0.13	0.93

0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.97	0.86	0.13	0.97
0.86	0.97	0.86	0.13	0.97
0.86	0.97	0.86	0.13	0.97
0.86	0.97	0.86	0.13	0.97
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.93	0.86	0.13	0.93
0.86	0.97	0.86	0.13	0.97
0.86	0.97	0.86	0.13	0.97
0.86	0.97	0.86	0.13	0.97
0.86	0.97	0.86	0.13	0.97
0.86	0.93	0.86	0.13	0.93

P5 AGT (TCO)	P5 TETCO	P6 TGP FT WD	P7 PNGTS WS	P7 TCPL PARK
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34

0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.93	1.44	1.22	0	1.34
0.97	1.51	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.97	1.7	1.22	0	1.34
0.93	1.44	1.22	0	1.34

P7 UNION	LNG LEWS TRK	LEWISTON	P11 AB AGT	P11 AB MNUS
0.81	0	0	3.75	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97

0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.97
0.81	0	0	3.75	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	5.38	0.68
0.81	0	0	3.75	0.97

[illegible]

0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34
0.81	1.34	0.28	0.81	1.34

P13 WXP PNGT

[illegible]

0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28
0.28

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
GSGT FLOW	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
BSG EXCH	0	0	0	0	0	0
P1_5083	0	0	0	0	0	0
P1 TGP Z0-Z6	19.9192	19.9192	19.9192	19.9192	19.9192	19.9192
P1 TGP Z1-Z6	17.6842	17.6842	17.6842	17.6842	17.6842	17.6842
P1 TGP Z4-Z6	0	0	0	0	0	0
P2 NIAGARA1	6.156	6.156	6.156	6.156	6.156	6.156
P2 NIAGARA2	6.156	6.156	6.156	6.156	6.156	6.156
P3 TGP1	6.156	6.156	6.156	6.156	6.156	6.156
P3 TGP2	6.156	6.156	6.156	6.156	6.156	6.156
P3 AGT	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
P3 TGP3	6.156	6.156	6.156	6.156	6.156	6.156
P3 IROQ	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
P5 AGT (TMT)	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
P5 AGT (TCO)	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
P5 TETCO	7.066	7.066	7.066	7.066	7.066	7.066
P6 TGP FT WD	7.0053	7.0053	7.0053	7.0053	7.0053	7.0053
P7 PNGTS WS	18.25	18.25	18.25	18.25	18.25	18.25
P7 TCPL PARK	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
P7 UNION	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
LNG LEWS TRK	0	0	0	0	0	0
LEWISTON	0	0	0	0	0	0
P11 AB AGT	54.917	54.917	54.917	54.917	54.917	54.917
P11 AB MNUS	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
P12 PXP UGL	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
P12 PXP TCPL	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
P12 PXP PNGT	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
P13 WXP UGL	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
P13 WXP TCPL	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
P13 WXP PNGT	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
TGP PS/GHG Surcharge Adjustment	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
GSGT FLOW	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
P1 TGP Z0-Z6	19.9192	19.9192	19.9192	19.9192	19.9192	19.9192
Base Commodity Rate	19.8779	19.8779	19.8779	19.8779	19.8779	19.8779
TGP PS/GHG Surcharge Adjustment	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
P1 TGP Z1-Z6	17.6842	17.6842	17.6842	17.6842	17.6842	17.6842
Base Commodity Rate	17.6429	17.6429	17.6429	17.6429	17.6429	17.6429
TGP PS/GHG Surcharge Adjustment	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
P6 TGP FT WD	7.0053	7.0053	7.0053	7.0053	7.0053	7.0053
Base Commodity Rate	6.9640	6.9640	6.9640	6.9640	6.9640	6.9640
TGP PS/GHG Surcharge Adjustment	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

P2 NIAGARA2	6.1560	6.1560	6.1560	6.1560	6.1560	6.1560
P3 TGP1	6.1560	6.1560	6.1560	6.1560	6.1560	6.1560
P3 TGP2	6.1560	6.1560	6.1560	6.1560	6.1560	6.1560
P3 TGP3	6.1560	6.1560	6.1560	6.1560	6.1560	6.1560
P2 NIAGARA1	6.1560	6.1560	6.1560	6.1560	6.1560	6.1560
Base Commodity Rate	6.1147	6.1147	6.1147	6.1147	6.1147	6.1147
TGP PS/GHG Surcharge Adjustment	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
P3 AGT	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
Demand Rate	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
P5 AGT (TMT)	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
P5 AGT (TCO)	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
P3 IROQ	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
P5 TETCO	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660
Total Adjusted Demand Rate	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660
P7 PNGTS WS	18.25	18.2500	18.2500	18.2500	18.2500	18.2500
P12 PXP PNGT	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
P13 WXP PNGT	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
P11 AB AGT	54.917	54.9170	54.9170	54.9170	54.9170	54.9170
P11 AB MNUS	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
P12 PXP TCPL	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
P13 WXP TCPL	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
P7 TCPL PARK	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
Mainline Toll	19.27504	19.27504	19.27504	19.27504	19.27504	19.27504
Abandonment Surcharge	1.14671	1.14671	1.14671	1.14671	1.14671	1.14671
Delivery Pressure	0.60833	0.60833	0.60833	0.60833	0.60833	0.60833
Total	21.03008	21.03008	21.03008	21.03008	21.03008	21.03008
USD to CAD Exchange Rate	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497
GJ per Dth	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
P12 PXP UGL	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
P13 WXP UGL	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
P7 UNION	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
Toll	3.665	3.665	3.665	3.665	3.665	3.665
Abandonment Surcharge	0	0	0	0	0	0
Total	3.665	3.665	3.665	3.665	3.665	3.665
USD to CAD Exchange Rate	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497
GJ per Dth	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
19.9192	19.9192	19.9192	19.9192	19.9192	19.9192	19.692	19.692	19.692
17.6842	17.6842	17.6842	17.6842	17.6842	17.6842	17.4826	17.4826	17.4826
0	0	0	0	0	0	0	0	0
6.156	6.156	6.156	6.156	6.156	6.156	6.0861	6.0861	6.0861
6.156	6.156	6.156	6.156	6.156	6.156	6.0861	6.0861	6.0861
6.156	6.156	6.156	6.156	6.156	6.156	6.0861	6.0861	6.0861
6.156	6.156	6.156	6.156	6.156	6.156	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.156	6.156	6.156	6.156	6.156	6.156	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066
7.0053	7.0053	7.0053	7.0053	7.0053	7.0053	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.9192	19.9192	19.9192	19.9192	19.9192	19.9192	19.6920	19.6920	19.6920
19.8779	19.8779	19.8779	19.8779	19.8779	19.8779	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.6842	17.6842	17.6842	17.6842	17.6842	17.6842	17.4826	17.4826	17.4826
17.6429	17.6429	17.6429	17.6429	17.6429	17.6429	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
7.0053	7.0053	7.0053	7.0053	7.0053	7.0053	6.9257	6.9257	6.9257
6.9640	6.9640	6.9640	6.9640	6.9640	6.9640	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

6.1560	6.1560	6.1560	6.1560	6.1560	6.1560	6.0861	6.0861	6.0861
6.1560	6.1560	6.1560	6.1560	6.1560	6.1560	6.0861	6.0861	6.0861
6.1560	6.1560	6.1560	6.1560	6.1560	6.1560	6.0861	6.0861	6.0861
6.1560	6.1560	6.1560	6.1560	6.1560	6.1560	6.0861	6.0861	6.0861
6.1560	6.1560	6.1560	6.1560	6.1560	6.1560	6.0861	6.0861	6.0861
6.1147	6.1147	6.1147	6.1147	6.1147	6.1147	6.0448	6.0448	6.0448
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
7.0660	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660
7.0660	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660	7.0660
18.2500	18.2500	18.2500	18.2500	18.2500	18.2500	18.2500	18.2500	18.2500
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
54.9170	54.9170	54.9170	54.9170	54.9170	54.9170	54.9170	54.9170	54.9170
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
19.27504	19.27504	19.27504	19.27504	19.27504	19.27504	19.27504	19.27504	19.27504
1.14671	1.14671	1.14671	1.14671	1.14671	1.14671	1.14671	1.14671	1.14671
0.60833	0.60833	0.60833	0.60833	0.60833	0.60833	0.60833	0.60833	0.60833
21.03008	21.03008	21.03008	21.03008	21.03008	21.03008	21.03008	21.03008	21.03008
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
3.665	3.665	3.665	3.665	3.665	3.665	3.665	3.665	3.665
0	0	0	0	0	0	0	0	0
3.665	3.665	3.665	3.665	3.665	3.665	3.665	3.665	3.665
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056

Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
0	0	0	0	0	0	0	0	0
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920
19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

[illegible]

Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
0	0	0	0	0	0	0	0	0
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920
19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

[illegible]

Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
0	0	0	0	0	0	0	0	0
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920
19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

[illegible]

May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
0	0	0	0	0	0	0	0	0
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920
19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

[illegible]

Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692	19.692
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
0	0	0	0	0	0	0	0	0
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066	7.066
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920	19.6920
19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

[illegible]

Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
0	0	0	0	0	0
0	0	0	0	0	0
19.692	19.692	19.692	19.692	19.692	19.692
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
0	0	0	0	0	0
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
7.066	7.066	7.066	7.066	7.066	7.066
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
18.25	18.25	18.25	18.25	18.25	18.25
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
0	0	0	0	0	0
0	0	0	0	0	0
54.917	54.917	54.917	54.917	54.917	54.917
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
5.9096	5.9096	5.9096	5.9096	5.9096	5.9096
19.6920	19.6920	19.6920	19.6920	19.6920	19.6920
19.6507	19.6507	19.6507	19.6507	19.6507	19.6507
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
17.4826	17.4826	17.4826	17.4826	17.4826	17.4826
17.4413	17.4413	17.4413	17.4413	17.4413	17.4413
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
6.9257	6.9257	6.9257	6.9257	6.9257	6.9257
6.8844	6.8844	6.8844	6.8844	6.8844	6.8844
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413

6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0861	6.0861	6.0861	6.0861	6.0861	6.0861
6.0448	6.0448	6.0448	6.0448	6.0448	6.0448
0.0413	0.0413	0.0413	0.0413	0.0413	0.0413
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
8.5927	8.5927	8.5927	8.5927	8.5927	8.5927
5.2357	5.2357	5.2357	5.2357	5.2357	5.2357
7.0660	7.0660	7.0660	7.0660	7.0660	7.0660
7.0660	7.0660	7.0660	7.0660	7.0660	7.0660
18.2500	18.2500	18.2500	18.2500	18.2500	18.2500
22.8125	22.8125	22.8125	22.8125	22.8125	22.8125
24.9417	24.9417	24.9417	24.9417	24.9417	24.9417
54.9170	54.9170	54.9170	54.9170	54.9170	54.9170
13.3833	13.3833	13.3833	13.3833	13.3833	13.3833
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
17.7546	17.7546	17.7546	17.7546	17.7546	17.7546
19.27504	19.27504	19.27504	19.27504	19.27504	19.27504
1.14671	1.14671	1.14671	1.14671	1.14671	1.14671
0.60833	0.60833	0.60833	0.60833	0.60833	0.60833
21.03008	21.03008	21.03008	21.03008	21.03008	21.03008
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
3.0942	3.0942	3.0942	3.0942	3.0942	3.0942
3.665	3.665	3.665	3.665	3.665	3.665
0	0	0	0	0	0
3.665	3.665	3.665	3.665	3.665	3.665
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22
GSGT FLOW	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
BSG EXCH	0	0	0	0	0	0
P1_5083	0	0	0	0	0	0
P1 TGP Z0-Z6	0.2881	0.2881	0.2881	0.2881	0.2881	0.2881
P1 TGP Z1-Z6	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513
P1 TGP Z4-Z6	0.0983	0.0983	0.0983	0.0983	0.0983	0.0983
P2 NIAGARA1	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P2 NIAGARA2	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 TGP1	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 TGP2	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 AGT	0.034	0.0054	0.0054	0.0054	0.0054	0.0054
P3 TGP3	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 IROQ	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
P5 AGT (TMT)	0.034	0.0054	0.0054	0.0054	0.0054	0.0054
P5 AGT (TCO)	0.034	0.0054	0.0054	0.0054	0.0054	0.0054
P5 TETCO	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
P6 TGP FT WD	0.0983	0.0983	0.0983	0.0983	0.0983	0.0983
P7 PNGTS WS	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P7 TCPL PARK	0	0	0	0	0	0
P7 UNION	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
LNG LEWS TRK	1.23	1.23	1.23	1.23	1.23	1.23
LEWISTON	0	0	0	0	0	0
P11 AB AGT	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
P11 AB MNUS	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P12 PXP UGL	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
P12 PXP TCPL	0	0	0	0	0	0
P12 PXP PNGT	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
P13 WXP UGL	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
P13 WXP TCPL	0	0	0	0	0	0
P13 WXP PNGT	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
TGP PS/GHG Surcharge Adjustment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
GSGT FLOW	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P1 TGP Z0-Z6	0.2881	0.2881	0.2881	0.2881	0.2881	0.2881
Base Commodity Rate	0.2597	0.2597	0.2597	0.2597	0.2597	0.2597
EPCR	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
TGP PS/GHG Surcharge Adjustment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
P1 TGP Z1-Z6	0.2513	0.2513	0.2513	0.2513	0.2513	0.2513
Base Commodity Rate	0.2264	0.2264	0.2264	0.2264	0.2264	0.2264
EPCR	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

TGP PS/GHG Surcharge Adjustment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
P6 TGP FT WD	0.0983	0.0983	0.0983	0.0983	0.0983	0.0983
P1 TGP Z4-Z6	0.0983	0.0983	0.0983	0.0983	0.0983	0.0983
Base Commodity Rate	0.0892	0.0892	0.0892	0.0892	0.0892	0.0892
EPCR	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
TGP PS/GHG Surcharge Adjustment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
P2 NIAGARA2	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 TGP1	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 TGP2	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P3 TGP3	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
P2 NIAGARA1	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
Base Commodity Rate	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
EPCR	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
TGP PS/GHG Surcharge Adjustment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
P3 AGT	0.0340	0.0054	0.0054	0.0054	0.0054	0.0054
Base Commodity Rate	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042
DEFERRAL SURCHARGE RATE	0.0286	0.0000	0.0000	0.0000	0.0000	0.0000
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P5 AGT (TCO)	0.0340	0.0054	0.0054	0.0054	0.0054	0.0054
P5 AGT (TMT)	0.0340	0.0054	0.0054	0.0054	0.0054	0.0054
Usage Rate	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042
DEFERRAL SURCHARGE RATE	0.0286	0.0000	0.0000	0.0000	0.0000	0.0000
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P5 TETCO	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
Base Commodity Rate	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P3 IROQ	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
Base Commodity Rate	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P11 AB AGT	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
Base Commodity Rate	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
DEFERRAL SURCHARGE RATE	-0.0601	-0.0601	-0.0601	-0.0601	-0.0601	-0.0601
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P11 AB MNUS	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
Usage Charge	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

LNG LEWS TRK	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
P7 PNGTS WS	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P12 PXP PNGT	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
PXP Recourse Usage Rate	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P13 WXP PNGT	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
WXP Recourse Usage Rate	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
ACA	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
P7 UNION	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
P12 PXP UGL	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
P13 WXP UGL	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
Facility Carbon Charge	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
GJ to Dth	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
USD to CAD Exchange Rate	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.2881	0.2881	0.2881	0.2881	0.2881	0.2881	0.2851	0.2851	0.2851
0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2487	0.2487	0.2487
0.0983	0.0983	0.0983	0.0983	0.0983	0.0983	0.0972	0.0972	0.0972
0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0738	0.0738	0.0738
0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0738	0.0738	0.0738
0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0738	0.0738	0.0738
0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0983	0.0983	0.0983	0.0983	0.0983	0.0983	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.2881	0.2881	0.2881	0.2881	0.2881	0.2881	0.2851	0.2851	0.2851
0.2597	0.2597	0.2597	0.2597	0.2597	0.2597	0.2567	0.2567	0.2567
0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.2513	0.2513	0.2513	0.2513	0.2513	0.2513	0.2487	0.2487	0.2487
0.2264	0.2264	0.2264	0.2264	0.2264	0.2264	0.2238	0.2238	0.2238
0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

[illegible]

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567
0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238
0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

[illegible]

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567
0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238
0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

[illegible]

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567
0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238
0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

[illegible]

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567
0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238
0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

[illegible]

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

Feb-26	Mar-26	Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567	0.2567
0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238	0.2238
0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

[illegible]

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

Nov-26	Dec-26	Jan-27	Feb-27	Mar-27	Apr-27
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0
0	0	0	0	0	0
0.2851	0.2851	0.2851	0.2851	0.2851	0.2851
0.2487	0.2487	0.2487	0.2487	0.2487	0.2487
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0	0	0	0	0	0
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
1.23	1.23	1.23	1.23	1.23	1.23
0	0	0	0	0	0
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0	0	0	0	0	0
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103

0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016

0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

0.2851	0.2851	0.2851	0.2851	0.2851	0.2851

0.2567	0.2567	0.2567	0.2567	0.2567	0.2567

0.0256	0.0256	0.0256	0.0256	0.0256	0.0256

0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

0.0016	0.0016	0.0016	0.0016	0.0016	0.0016

0.2487	0.2487	0.2487	0.2487	0.2487	0.2487

0.2238	0.2238	0.2238	0.2238	0.2238	0.2238

0.0221	0.0221	0.0221	0.0221	0.0221	0.0221

0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0972	0.0972	0.0972	0.0972	0.0972	0.0972
0.0881	0.0881	0.0881	0.0881	0.0881	0.0881
0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0738	0.0738	0.0738	0.0738	0.0738	0.0738
0.0666	0.0666	0.0666	0.0666	0.0666	0.0666
0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0042	0.0042	0.0042	0.0042	0.0042	0.0042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
0.0042	0.0042	0.0042	0.0042	0.0042	0.0042
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0587	0.0587	0.0587	0.0587	0.0587	0.0587
0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
-0.0589	-0.0589	-0.0589	-0.0589	-0.0589	-0.0589
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
-0.0601	-0.0601	-0.0601	-0.0601	-0.0601	-0.0601
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012

1.2300	1.2300	1.2300	1.2300	1.2300	1.2300
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
0.0091	0.0091	0.0091	0.0091	0.0091	0.0091
0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0253	0.0253	0.0253	0.0253	0.0253	0.0253
0.0300	0.0300	0.0300	0.0300	0.0300	0.0300
1.055056	1.055056	1.055056	1.055056	1.055056	1.055056
1.2497	1.2497	1.2497	1.2497	1.2497	1.2497

	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22
GSGT FLOW	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
BSG EXCH	0	0	0	0	0	0	0	0
P1_5083	0	0	0	0	0	0	0	0
P1 TGP Z0-Z6	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
P1 TGP Z1-Z6	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
P1 TGP Z4-Z6	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
P2 NIAGARA1	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
P2 NIAGARA2	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
P3 TGP1	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
P3 TGP2	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
P3 AGT	0.93	0.97	0.97	0.97	0.97	0.93	0.93	0.93
P3 TGP3	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
P3 IROQ	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
P5 AGT (TMT)	0.93	0.97	0.97	0.97	0.97	0.93	0.93	0.93
P5 AGT (TCO)	0.93	0.97	0.97	0.97	0.97	0.93	0.93	0.93
P5 TETCO	1.44	1.51	1.7	1.7	1.7	1.44	1.44	1.44
P6 TGP FT WD	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
P7 PNGTS WS	0	0	0	0	0	0	0	0
P7 TCPL PARK	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
P7 UNION	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
LNG LEWS TRK	0	0	0	0	0	0	0	0
LEWISTON	0	0	0	0	0	0	0	0
P11 AB AGT	3.75	5.38	5.38	5.38	5.38	3.75	3.75	3.75
P11 AB MNUS	0.68	0.68	0.68	0.68	0.68	0.97	0.97	0.97
P12 PXP UGL	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
P12 PXP TCPL	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
P12 PXP PNGT	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
P13 WXP UGL	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
P13 WXP TCPL	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
P13 WXP PNGT	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
GSGT FLOW	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
P1 TGP Z0-Z6	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
P1 TGP Z1-Z6	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%
P6 TGP FT WD	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
P1 TGP Z4-Z6	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
P2 NIAGARA2	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
P3 TGP1	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
P3 TGP2	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
P3 TGP3	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
P2 NIAGARA1	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

P3 AGT	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%
P5 AGT (TCO)	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%
P5 AGT (TMT)	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%
P5 TETCO	1.44%	1.51%	1.70%	1.70%	1.70%	1.44%	1.44%	1.44%
P3 IROQ	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
P11 AB AGT	3.75%	5.38%	5.38%	5.38%	5.38%	3.75%	3.75%	3.75%
P11 AB MNUS	0.68%	0.68%	0.68%	0.68%	0.68%	0.97%	0.97%	0.97%
P7 PNGTS WS	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
P12 PXP PNGT	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
P13 WXP PNGT	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
P7 UNION	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
P12 PXP UGL	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
P13 WXP UGL	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
P7 TCPL PARK	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
P12 PXP TCPL	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
P13 WXP TCPL	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Annual Fuel Rate	Filing Date	Effective Date
Algonquin	10/31/2019	12/1/2019
Maritimes	9/27/2019	11/1/2019
Tennessee	2/27/2020	4/1/2020
Texas Eastern	10/31/2019	12/1/2019

Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.97	0.97
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.97	0.97
0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.97	0.97
1.44	1.44	1.44	1.44	1.44	1.51	1.7	1.7	1.7
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0	0	0	0	0	0	0	0	0
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.75	3.75	3.75	3.75	3.75	5.38	5.38	5.38	5.38
0.97	0.97	0.97	0.97	0.68	0.68	0.68	0.68	0.68
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28

0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%

4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%

4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.93%	0.93%	0.93%	0.93%	0.93%	0.97%	0.97%	0.97%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.97%	0.97%	0.97%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.97%	0.97%	0.97%	0.97%
1.44%	1.44%	1.44%	1.44%	1.44%	1.51%	1.70%	1.70%	1.70%
0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
3.75%	3.75%	3.75%	3.75%	3.75%	5.38%	5.38%	5.38%	5.38%
0.97%	0.97%	0.97%	0.97%	0.68%	0.68%	0.68%	0.68%	0.68%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.97
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.97
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.97
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.51
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0	0	0	0	0	0	0	0	0
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	5.38
0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.68	0.68
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%
1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.97%
1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.51%
0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	5.38%
0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.68%	0.68%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.97	0.97	0.97	0.93	0.93	0.93	0.93	0.93	0.93
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.97	0.97	0.97	0.93	0.93	0.93	0.93	0.93	0.93
0.97	0.97	0.97	0.93	0.93	0.93	0.93	0.93	0.93
1.7	1.7	1.7	1.44	1.44	1.44	1.44	1.44	1.44
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0	0	0	0	0	0	0	0	0
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
5.38	5.38	5.38	3.75	3.75	3.75	3.75	3.75	3.75
0.68	0.68	0.68	0.97	0.97	0.97	0.97	0.97	0.97
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28

0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%

4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%

4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.97%	0.97%	0.97%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%
0.97%	0.97%	0.97%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%
0.97%	0.97%	0.97%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%
1.70%	1.70%	1.70%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%
0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
5.38%	5.38%	5.38%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%
0.68%	0.68%	0.68%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.93	0.93	0.97	0.97	0.97	0.97	0.93	0.93	0.93
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.93	0.93	0.97	0.97	0.97	0.97	0.93	0.93	0.93
0.93	0.93	0.97	0.97	0.97	0.97	0.93	0.93	0.93
1.44	1.44	1.51	1.7	1.7	1.7	1.44	1.44	1.44
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0	0	0	0	0	0	0	0	0
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.75	3.75	5.38	5.38	5.38	5.38	3.75	3.75	3.75
0.97	0.68	0.68	0.68	0.68	0.68	0.97	0.97	0.97
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28

0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%

4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%

4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.93%	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%
0.93%	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%
0.93%	0.93%	0.97%	0.97%	0.97%	0.97%	0.93%	0.93%	0.93%
1.44%	1.44%	1.51%	1.70%	1.70%	1.70%	1.44%	1.44%	1.44%
0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
3.75%	3.75%	5.38%	5.38%	5.38%	5.38%	3.75%	3.75%	3.75%
0.97%	0.68%	0.68%	0.68%	0.68%	0.68%	0.97%	0.97%	0.97%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	Mar-26
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.97	0.97
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.97	0.97
0.93	0.93	0.93	0.93	0.93	0.97	0.97	0.97	0.97
1.44	1.44	1.44	1.44	1.44	1.51	1.7	1.7	1.7
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0	0	0	0	0	0	0	0	0
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.75	3.75	3.75	3.75	3.75	5.38	5.38	5.38	5.38
0.97	0.97	0.97	0.97	0.68	0.68	0.68	0.68	0.68
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28

0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%

4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%

4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.93%	0.93%	0.93%	0.93%	0.93%	0.97%	0.97%	0.97%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.97%	0.97%	0.97%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.97%	0.97%	0.97%	0.97%
1.44%	1.44%	1.44%	1.44%	1.44%	1.51%	1.70%	1.70%	1.70%
0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
3.75%	3.75%	3.75%	3.75%	3.75%	5.38%	5.38%	5.38%	5.38%
0.97%	0.97%	0.97%	0.97%	0.68%	0.68%	0.68%	0.68%	0.68%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Apr-26	May-26	Jun-26	Jul-26	Aug-26	Sep-26	Oct-26	Nov-26	Dec-26
0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.97
0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.97
0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.97
1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.44	1.51
1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
0	0	0	0	0	0	0	0	0
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0
3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	5.38
0.97	0.97	0.97	0.97	0.97	0.97	0.97	0.68	0.68
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%	4.66%
4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%
1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%	1.22%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%
0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%	0.86%

0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.97%
0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.97%
1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.44%	1.51%
0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%	0.13%
3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	3.75%	5.38%
0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.97%	0.68%	0.68%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%	1.34%

Jan-27	Feb-27	Mar-27	Apr-27
0.35	0.35	0.35	0.35
0	0	0	0
0	0	0	0
4.66	4.66	4.66	4.66
4.06	4.06	4.06	4.06
1.22	1.22	1.22	1.22
0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86
0.86	0.86	0.86	0.86
0.97	0.97	0.97	0.93
0.86	0.86	0.86	0.86
0.13	0.13	0.13	0.13
0.97	0.97	0.97	0.93
0.97	0.97	0.97	0.93
1.7	1.7	1.7	1.44
1.22	1.22	1.22	1.22
0	0	0	0
1.34	1.34	1.34	1.34
0.81	0.81	0.81	0.81
0	0	0	0
0	0	0	0
5.38	5.38	5.38	3.75
0.68	0.68	0.68	0.97
0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28
0.81	0.81	0.81	0.81
1.34	1.34	1.34	1.34
0.28	0.28	0.28	0.28

0.35%	0.35%	0.35%	0.35%

4.66%	4.66%	4.66%	4.66%

4.06%	4.06%	4.06%	4.06%

1.22%	1.22%	1.22%	1.22%

1.22%	1.22%	1.22%	1.22%

0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%

0.86%	0.86%	0.86%	0.86%

0.97%	0.97%	0.97%	0.93%
0.97%	0.97%	0.97%	0.93%
0.97%	0.97%	0.97%	0.93%
1.70%	1.70%	1.70%	1.44%
0.13%	0.13%	0.13%	0.13%
5.38%	5.38%	5.38%	3.75%
0.68%	0.68%	0.68%	0.97%
0.00%	0.00%	0.00%	0.00%
0.28%	0.28%	0.28%	0.28%
0.28%	0.28%	0.28%	0.28%
0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%
0.81%	0.81%	0.81%	0.81%
1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%
1.34%	1.34%	1.34%	1.34%

	Storage	Union	TCPL
Nov-21	0.60%	0.93%	1.44%
Dec-21	0.60%	1.05%	1.36%
Jan-22	0.60%	1.21%	1.80%
Feb-22	0.60%	1.15%	1.64%
Mar-22	0.60%	1.08%	1.40%
Apr-22	0.60%	0.91%	1.03%
May-22	0.60%	0.65%	1.24%
Jun-22	0.60%	0.54%	1.24%
Jul-22	0.60%	0.53%	1.46%
Aug-22	0.60%	0.42%	1.14%
Sep-22	0.60%	0.42%	1.17%
Oct-22	0.60%	0.78%	1.15%
Annual	0.60%	0.81%	1.34%

Historic Iroquois Zone 1 Fuel Rates

Jul-20	0.00%
Aug-20	0.00%
Sep-20	0.00%
Oct-20	0.00%
Nov-20	0.10%
Dec-20	0.20%
Jan-21	0.20%
Feb-21	0.30%
Mar-21	0.40%
Apr-21	0.30%
May-21	0.10%
Jun-21	0.00%
Annual	0.13%

Historic PNGTS Zone 1 Measurement Variance Rates	
Jul-20	-0.60%
Aug-20	-0.60%
Sep-20	-0.80%
Oct-20	-0.80%
Nov-20	-0.60%
Dec-20	-0.60%
Jan-21	-0.60%
Feb-21	-0.20%
Mar-21	-0.30%
Apr-21	-1.00%
May-21	-1.00%
Jun-21	-1.00%
Annual	-0.68%
Projected (Greater of Annual Average or 0%)	0.00%

Winter Period Re-Entry Surcharge Calculation
(Applicable to Capacity Assigned Customers Returning to Sales Service)

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	Weighted Average	Reference
1	Winter Demand Cost of Gas Rate	\$0.2543	\$0.3805	\$0.3379	Summary
2	Winter Commodity Cost of Gas Rate	\$0.5575	\$0.5411	\$0.5466	Summary
3	Winter Indirect Cost of Gas	\$0.0335	\$0.0335	\$0.0335	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
4	Winter Cost of Gas Rate (Exclusive of Credits)	\$0.8453	\$0.9551	\$0.9180	Sum Lines 1 through 3
5	Winter Cost of Gas Rate for Incumbent Sales Customers	\$0.8453	\$0.9551	\$0.9180	Summary
6	Winter Re-Entry Surcharge	\$0.0000	\$0.0000	\$0.0000	Positive Difference between Line 4 and Line 5
7	Projected Sales (therms)	13,608,737	26,660,466	40,269,203	FXW-2 - Distribution Service Deliveries, excluding Special Contracts

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)	LLF (40, 41, 42)	Weighted Average	Reference
8	Summer Demand Cost of Gas Rate	\$0.1085	\$0.1789	\$0.1551	Summary
9	Summer Commodity Cost of Gas Rate	\$0.3515	\$0.3516	\$0.3516	Summary
10	Summer Indirect Cost of Gas	\$0.0141	\$0.0141	\$0.0141	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
11	Summer Cost of Gas Rate (Exclusive of Credits)	\$0.4741	\$0.5446	\$0.5208	Sum Lines 8 through 10
12	Summer Cost of Gas Rate for Incumbent Sales Customers	\$0.4741	\$0.5446	\$0.5208	Summary
13	Summer Re-Entry Surcharge	\$0.0000	\$0.0000	\$0.0000	Positive Difference between Line 11 and Line 12
14	Projected Sales (therms)	11,439,284	6,075,647	17,514,931	FXW-2 - Distribution Service Deliveries, excluding Special Contracts

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

Line	Item	HLF (50, 51, 52)	LLF (40, 41, 42)	Reference
1	LLF Winter Demand Cost of Gas Rate	\$0.3805	\$0.3805	Summary
2	LLF Winter Commodity Cost of Gas Rate	\$0.5411	\$0.5411	Summary
3	LLF Winter Indirect Cost of Gas	\$0.0335	\$0.0335	Summary, Removing any Prior Period Over-Collection or Supplier Refunds
4	Floor Price (LLF Winter Cost of Gas Rate, Exclusive of Credits)	\$0.9551	\$0.9551	Sum Lines 1 through 3.
5	Total Incremental Cost	\$1.4368	\$1.4368	See Line 15 of Incremental Commodity Price Worksheet
6	Total Conversion Rate	\$1.4368	\$1.4368	Maximum of Line 4 and Line 5
7	Winter Gas Adjustment Factor for Incumbent Sales Customers	\$0.8453	\$0.9551	Summary
8	Conversion Surcharge	\$0.5915	\$0.4817	Positive Difference between Line 6 and Line 7

Incremental Commodity Price Worksheet

Line	Month	NYMEX	Projected PNGTS Delivered Basis	Projected FOM Index	Projected Non-Capacity Assigned Delivery Service Loads	Comments
1	Nov-21	\$ 5.305	\$ 3.352	\$ 8.657	227,140	
2	Dec-21	\$ 5.398	\$ 9.742	\$ 15.140	231,339	
3	Jan-22	\$ 5.465	\$ 14.867	\$ 20.332	256,763	
4	Feb-22	\$ 5.370	\$ 14.057	\$ 19.427	242,833	
5	Mar-22	\$ 5.013	\$ 5.159	\$ 10.172	255,609	
6	Apr-22	\$ 3.939	\$ 1.532	\$ 5.471	232,427	
7	Winter Period Weighed Average Baseload Price (\$/Dth)			\$ 13.331	1,446,111	Average, Weighted by Loads, Lines 1 through 6
8	Load Shape Price Factor			1.046		See Load Shape Price Factor Worksheet
9	Winter Period Incremental Load Shape Price (\$/Dth)			\$ 13.944		Line 7 times Line 8
10	Granite Fuel			0.35%		Granite Tariff
11	Granite Variable Transport (\$/Dth)			\$ 0.1954		Granite Tariff (IT Daily Rate plus ACA)
12	Northern City-Gate Price (\$/Dth)			\$ 14.188		Line 9 times (1 plus Line 10) plus Line 11
13	New Hampshire Division City-Gate Sendout to Sales Ratio			1.0127		See FXW-2
14	Northern Retail Meter Price (\$/Dth)			\$ 14.368		Line 12 times Line 13
15	Northern Retail Meter Price (\$/therm)			\$ 1.4368		Line 14 divided by 10

Load Shape Price Factor Worksheet

Historic Delivery Service Loads					Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost	
Nov-20	11/1/2020	5,214	5,687	10,901	5,214	-	5,214	\$ 3.540	\$ 18,458	
Nov-20	11/2/2020	7,917	7,680	15,597	7,917	-	7,917	\$ 3.540	\$ 28,026	
Nov-20	11/3/2020	8,861	7,600	16,461	8,861	-	8,861	\$ 3.870	\$ 34,292	
Nov-20	11/4/2020	8,610	6,394	15,004	8,610	-	8,610	\$ 2.150	\$ 18,512	
Nov-20	11/5/2020	7,067	3,727	10,794	7,067	-	7,067	\$ 0.840	\$ 5,936	
Nov-20	11/6/2020	6,242	3,333	9,575	6,242	-	6,242	\$ 0.775	\$ 4,838	
Nov-20	11/7/2020	5,621	3,529	9,150	5,621	-	5,621	\$ 0.375	\$ 2,108	
Nov-20	11/8/2020	4,856	4,706	9,562	4,856	-	4,856	\$ 0.375	\$ 1,821	
Nov-20	11/9/2020	7,024	5,256	12,280	7,024	-	7,024	\$ 0.375	\$ 2,634	
Nov-20	11/10/2020	6,973	3,416	10,389	6,973	-	6,973	\$ 0.605	\$ 4,219	
Nov-20	11/11/2020	6,542	3,277	9,819	6,542	-	6,542	\$ 1.045	\$ 6,836	
Nov-20	11/12/2020	7,298	5,781	13,079	7,298	-	7,298	\$ 1.580	\$ 11,531	
Nov-20	11/13/2020	7,241	6,614	13,855	7,241	-	7,241	\$ 2.155	\$ 15,604	
Nov-20	11/14/2020	6,910	6,675	13,585	6,910	-	6,910	\$ 2.280	\$ 15,755	
Nov-20	11/15/2020	5,002	5,543	10,545	5,002	-	5,002	\$ 2.280	\$ 11,405	
Nov-20	11/16/2020	8,084	6,553	14,637	8,084	-	8,084	\$ 2.280	\$ 18,432	
Nov-20	11/17/2020	8,481	7,686	16,167	8,481	-	8,481	\$ 4.210	\$ 35,705	
Nov-20	11/18/2020	8,787	9,407	18,194	8,787	-	8,787	\$ 4.360	\$ 38,311	
Nov-20	11/19/2020	7,805	6,860	14,665	7,805	-	7,805	\$ 2.225	\$ 17,366	
Nov-20	11/20/2020	6,803	4,945	11,748	6,803	-	6,803	\$ 1.550	\$ 10,545	
Nov-20	11/21/2020	6,874	5,906	12,780	6,874	-	6,874	\$ 1.985	\$ 13,645	
Nov-20	11/22/2020	6,401	5,695	12,096	6,401	-	6,401	\$ 1.985	\$ 12,706	
Nov-20	11/23/2020	7,890	7,243	15,133	7,890	-	7,890	\$ 1.985	\$ 15,662	
Nov-20	11/24/2020	8,841	8,329	17,170	8,841	-	8,841	\$ 3.260	\$ 28,822	
Nov-20	11/25/2020	6,628	7,063	13,691	6,628	-	6,628	\$ 1.945	\$ 12,891	
Nov-20	11/26/2020	3,997	6,466	10,463	3,997	-	3,997	\$ 1.380	\$ 5,516	
Nov-20	11/27/2020	3,744	5,664	9,408	3,744	-	3,744	\$ 1.380	\$ 5,167	
Nov-20	11/28/2020	4,035	6,272	10,307	4,035	-	4,035	\$ 1.380	\$ 5,568	
Nov-20	11/29/2020	5,149	6,821	11,970	5,149	-	5,149	\$ 1.380	\$ 7,106	

Load Shape Price Factor Worksheet

Historic Delivery Service Loads				Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Nov-20	11/30/2020	6,843	4,951	11,794	6,843	-	6,843	\$ 1.380	\$ 9,443
Dec-20	12/1/2020	7,332	6,331	13,663	7,332	-	7,332	\$ 2.370	\$ 17,377
Dec-20	12/2/2020	8,043	7,477	15,520	8,043	-	8,043	\$ 2.780	\$ 22,360
Dec-20	12/3/2020	7,734	6,707	14,441	7,734	-	7,734	\$ 2.405	\$ 18,600
Dec-20	12/4/2020	6,547	5,920	12,467	6,547	-	6,547	\$ 2.155	\$ 14,109
Dec-20	12/5/2020	7,116	7,800	14,916	7,116	-	7,116	\$ 3.055	\$ 21,739
Dec-20	12/6/2020	5,951	8,437	14,388	5,951	-	5,951	\$ 3.055	\$ 18,180
Dec-20	12/7/2020	8,066	8,911	16,977	8,066	-	8,066	\$ 3.055	\$ 24,642
Dec-20	12/8/2020	8,480	9,370	17,850	8,480	-	8,480	\$ 2.985	\$ 25,313
Dec-20	12/9/2020	8,370	8,109	16,479	8,370	-	8,370	\$ 2.645	\$ 22,139
Dec-20	12/10/2020	8,039	8,137	16,176	8,039	-	8,039	\$ 2.695	\$ 21,665
Dec-20	12/11/2020	7,233	7,275	14,508	7,233	-	7,233	\$ 2.225	\$ 16,093
Dec-20	12/12/2020	6,580	6,332	12,912	6,580	-	6,580	\$ 2.705	\$ 17,799
Dec-20	12/13/2020	5,067	6,691	11,758	5,067	-	5,067	\$ 2.705	\$ 13,706
Dec-20	12/14/2020	8,057	8,229	16,286	8,057	-	8,057	\$ 2.705	\$ 21,794
Dec-20	12/15/2020	9,613	10,146	19,759	9,613	-	9,613	\$ 5.825	\$ 55,996
Dec-20	12/16/2020	9,237	9,185	18,422	9,237	-	9,237	\$ 7.530	\$ 69,555
Dec-20	12/17/2020	8,644	8,794	17,438	8,644	-	8,644	\$ 9.445	\$ 81,643
Dec-20	12/18/2020	8,393	8,763	17,156	8,393	-	8,393	\$ 11.920	\$ 100,045
Dec-20	12/19/2020	7,408	7,746	15,154	7,408	-	7,408	\$ 7.200	\$ 53,338
Dec-20	12/20/2020	7,735	7,676	15,411	7,735	-	7,735	\$ 7.200	\$ 55,692
Dec-20	12/21/2020	7,338	7,396	14,734	7,338	-	7,338	\$ 7.200	\$ 52,834
Dec-20	12/22/2020	7,272	6,990	14,262	7,272	-	7,272	\$ 4.105	\$ 29,852
Dec-20	12/23/2020	6,822	7,119	13,941	6,822	-	6,822	\$ 3.320	\$ 22,649
Dec-20	12/24/2020	3,918	4,510	8,428	3,918	-	3,918	\$ 2.495	\$ 9,775
Dec-20	12/25/2020	4,013	5,032	9,045	4,013	-	4,013	\$ 4.475	\$ 17,958
Dec-20	12/26/2020	5,798	7,330	13,128	5,798	-	5,798	\$ 4.475	\$ 25,946
Dec-20	12/27/2020	7,065	6,960	14,025	7,065	-	7,065	\$ 4.475	\$ 31,616
Dec-20	12/28/2020	7,385	6,500	13,885	7,385	-	7,385	\$ 4.475	\$ 33,048

Load Shape Price Factor Worksheet

Historic Delivery Service Loads					Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost	
Dec-20	12/29/2020	8,499	9,339	17,838	8,499	-	8,499	\$ 3.835	\$ 32,594	
Dec-20	12/30/2020	6,752	7,317	14,069	6,752	-	6,752	\$ 3.265	\$ 22,045	
Dec-20	12/31/2020	4,898	7,525	12,423	4,898	-	4,898	\$ 2.580	\$ 12,637	
Jan-21	1/1/2021	4,433	7,143	11,576	4,433	-	4,433	\$ 2.410	\$ 10,684	
Jan-21	1/2/2021	6,493	7,628	14,121	6,493	-	6,493	\$ 2.410	\$ 15,648	
Jan-21	1/3/2021	6,968	7,850	14,818	6,968	-	6,968	\$ 2.410	\$ 16,793	
Jan-21	1/4/2021	7,451	8,205	15,656	7,451	-	7,451	\$ 2.410	\$ 17,957	
Jan-21	1/5/2021	7,833	8,386	16,219	7,833	-	7,833	\$ 3.295	\$ 25,810	
Jan-21	1/6/2021	7,790	8,017	15,807	7,790	-	7,790	\$ 3.260	\$ 25,395	
Jan-21	1/7/2021	7,892	8,367	16,259	7,892	-	7,892	\$ 2.990	\$ 23,597	
Jan-21	1/8/2021	7,662	8,339	16,001	7,662	-	7,662	\$ 3.320	\$ 25,438	
Jan-21	1/9/2021	6,854	7,555	14,409	6,854	-	6,854	\$ 3.860	\$ 26,456	
Jan-21	1/10/2021	5,920	8,156	14,076	5,920	-	5,920	\$ 3.860	\$ 22,851	
Jan-21	1/11/2021	8,023	8,429	16,452	8,023	-	8,023	\$ 3.860	\$ 30,969	
Jan-21	1/12/2021	7,803	7,910	15,713	7,803	-	7,803	\$ 4.000	\$ 31,212	
Jan-21	1/13/2021	7,521	7,689	15,210	7,521	-	7,521	\$ 4.385	\$ 32,980	
Jan-21	1/14/2021	7,688	7,663	15,351	7,688	-	7,688	\$ 4.470	\$ 34,365	
Jan-21	1/15/2021	7,307	6,839	14,146	7,307	-	7,307	\$ 3.020	\$ 22,067	
Jan-21	1/16/2021	6,162	6,627	12,789	6,162	-	6,162	\$ 5.205	\$ 32,073	
Jan-21	1/17/2021	4,892	6,958	11,850	4,892	-	4,892	\$ 5.205	\$ 25,463	
Jan-21	1/18/2021	7,655	8,534	16,189	7,655	-	7,655	\$ 5.205	\$ 39,844	
Jan-21	1/19/2021	8,011	8,381	16,392	8,011	-	8,011	\$ 5.205	\$ 41,697	
Jan-21	1/20/2021	8,359	9,349	17,708	8,359	-	8,359	\$ 4.295	\$ 35,902	
Jan-21	1/21/2021	8,075	8,874	16,949	8,075	-	8,075	\$ 3.040	\$ 24,548	
Jan-21	1/22/2021	7,722	7,959	15,681	7,722	-	7,722	\$ 3.660	\$ 28,263	
Jan-21	1/23/2021	7,985	10,489	18,474	7,985	-	7,985	\$ 5.475	\$ 43,718	
Jan-21	1/24/2021	6,426	9,990	16,416	6,426	-	6,426	\$ 5.475	\$ 35,182	
Jan-21	1/25/2021	8,865	9,599	18,464	8,865	-	8,865	\$ 5.475	\$ 48,536	
Jan-21	1/26/2021	8,866	8,719	17,585	8,866	-	8,866	\$ 4.975	\$ 44,108	

Load Shape Price Factor Worksheet

Historic Delivery Service Loads				Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Jan-21	1/27/2021	8,151	8,214	16,365	8,151	-	8,151	\$ 4.770	\$ 38,880
Jan-21	1/28/2021	8,920	10,600	19,520	8,920	-	8,920	\$ 9.890	\$ 88,219
Jan-21	1/29/2021	9,125	11,601	20,726	9,125	-	9,125	\$ 11.595	\$ 105,804
Jan-21	1/30/2021	8,971	11,186	20,157	8,971	-	8,971	\$ 11.595	\$ 104,019
Jan-21	1/31/2021	7,100	10,356	17,456	7,100	-	7,100	\$ 11.595	\$ 82,325
Feb-21	2/1/2021	7,127	9,370	16,497	7,127	-	7,127	\$ 5.440	\$ 38,771
Feb-21	2/2/2021	7,175	8,657	15,832	7,175	-	7,175	\$ 8.110	\$ 58,189
Feb-21	2/3/2021	7,982	8,300	16,282	7,982	-	7,982	\$ 11.810	\$ 94,267
Feb-21	2/4/2021	8,149	8,909	17,058	8,149	-	8,149	\$ 10.835	\$ 88,294
Feb-21	2/5/2021	7,370	8,112	15,482	7,370	-	7,370	\$ 7.420	\$ 54,685
Feb-21	2/6/2021	7,437	8,283	15,720	7,437	-	7,437	\$ 11.465	\$ 85,265
Feb-21	2/7/2021	6,237	9,304	15,541	6,237	-	6,237	\$ 11.465	\$ 71,507
Feb-21	2/8/2021	8,807	10,463	19,270	8,807	-	8,807	\$ 11.465	\$ 100,972
Feb-21	2/9/2021	8,050	10,366	18,416	8,050	-	8,050	\$ 11.365	\$ 91,488
Feb-21	2/10/2021	8,615	10,055	18,670	8,615	-	8,615	\$ 10.465	\$ 90,156
Feb-21	2/11/2021	8,576	10,944	19,520	8,576	-	8,576	\$ 11.100	\$ 95,194
Feb-21	2/12/2021	7,683	10,167	17,850	7,683	-	7,683	\$ 12.310	\$ 94,578
Feb-21	2/13/2021	7,218	8,929	16,147	7,218	-	7,218	\$ 10.405	\$ 75,103
Feb-21	2/14/2021	5,802	8,571	14,373	5,802	-	5,802	\$ 10.405	\$ 60,370
Feb-21	2/15/2021	7,746	8,615	16,361	7,746	-	7,746	\$ 10.405	\$ 80,597
Feb-21	2/16/2021	8,502	8,976	17,478	8,502	-	8,502	\$ 10.405	\$ 88,463
Feb-21	2/17/2021	8,801	9,842	18,643	8,801	-	8,801	\$ 10.955	\$ 96,415
Feb-21	2/18/2021	8,591	9,328	17,919	8,591	-	8,591	\$ 10.600	\$ 91,065
Feb-21	2/19/2021	8,137	8,933	17,070	8,137	-	8,137	\$ 8.590	\$ 69,897
Feb-21	2/20/2021	7,695	9,051	16,746	7,695	-	7,695	\$ 6.725	\$ 51,749
Feb-21	2/21/2021	7,311	8,994	16,305	7,311	-	7,311	\$ 6.725	\$ 49,166
Feb-21	2/22/2021	7,646	8,259	15,905	7,646	-	7,646	\$ 6.725	\$ 51,419
Feb-21	2/23/2021	7,878	7,452	15,330	7,878	-	7,878	\$ 4.460	\$ 35,136
Feb-21	2/24/2021	6,880	6,751	13,631	6,880	-	6,880	\$ 3.180	\$ 21,878

Load Shape Price Factor Worksheet

Historic Delivery Service Loads				Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Feb-21	2/25/2021	7,527	8,443	15,970	7,527	-	7,527	\$ 3.440	\$ 25,893
Feb-21	2/26/2021	7,524	7,810	15,334	7,524	-	7,524	\$ 2.655	\$ 19,976
Feb-21	2/27/2021	7,288	6,952	14,240	7,288	-	7,288	\$ 2.655	\$ 19,350
Feb-21	2/28/2021	6,104	6,711	12,815	6,104	-	6,104	\$ 2.655	\$ 16,206
Mar-21	3/1/2021	8,079	9,677	17,756	8,079	-	8,079	\$ 3.385	\$ 27,347
Mar-21	3/2/2021	8,796	10,247	19,043	8,796	-	8,796	\$ 6.470	\$ 56,910
Mar-21	3/3/2021	7,816	7,786	15,602	7,816	-	7,816	\$ 4.125	\$ 32,241
Mar-21	3/4/2021	8,360	9,744	18,104	8,360	-	8,360	\$ 8.235	\$ 68,845
Mar-21	3/5/2021	8,375	9,774	18,149	8,375	-	8,375	\$ 7.100	\$ 59,463
Mar-21	3/6/2021	7,996	8,849	16,845	7,996	-	7,996	\$ 5.355	\$ 42,819
Mar-21	3/7/2021	6,194	8,556	14,750	6,194	-	6,194	\$ 5.355	\$ 33,169
Mar-21	3/8/2021	8,003	8,062	16,065	8,003	-	8,003	\$ 5.355	\$ 42,856
Mar-21	3/9/2021	7,960	7,104	15,064	7,960	-	7,960	\$ 2.845	\$ 22,646
Mar-21	3/10/2021	7,491	6,984	14,475	7,491	-	7,491	\$ 2.740	\$ 20,525
Mar-21	3/11/2021	6,480	4,286	10,766	6,480	-	6,480	\$ 2.370	\$ 15,358
Mar-21	3/12/2021	6,533	5,868	12,401	6,533	-	6,533	\$ 2.310	\$ 15,091
Mar-21	3/13/2021	6,799	6,843	13,642	6,799	-	6,799	\$ 4.115	\$ 27,978
Mar-21	3/14/2021	7,184	9,346	16,530	7,184	-	7,184	\$ 4.115	\$ 29,562
Mar-21	3/15/2021	9,579	10,470	20,049	9,579	-	9,579	\$ 4.115	\$ 39,418
Mar-21	3/16/2021	8,684	8,172	16,856	8,684	-	8,684	\$ 4.515	\$ 39,208
Mar-21	3/17/2021	7,487	6,764	14,251	7,487	-	7,487	\$ 2.675	\$ 20,028
Mar-21	3/18/2021	7,432	7,003	14,435	7,432	-	7,432	\$ 2.760	\$ 20,512
Mar-21	3/19/2021	7,727	7,428	15,155	7,727	-	7,727	\$ 3.450	\$ 26,658
Mar-21	3/20/2021	7,107	5,773	12,880	7,107	-	7,107	\$ 2.205	\$ 15,671
Mar-21	3/21/2021	6,247	5,921	12,168	6,247	-	6,247	\$ 2.205	\$ 13,775
Mar-21	3/22/2021	7,056	6,419	13,475	7,056	-	7,056	\$ 2.205	\$ 15,558
Mar-21	3/23/2021	7,138	5,720	12,858	7,138	-	7,138	\$ 2.090	\$ 14,918
Mar-21	3/24/2021	6,554	5,333	11,887	6,554	-	6,554	\$ 2.140	\$ 14,026
Mar-21	3/25/2021	6,493	4,764	11,257	6,493	-	6,493	\$ 1.930	\$ 12,531

Load Shape Price Factor Worksheet

Historic Delivery Service Loads				Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost
Mar-21	3/26/2021	6,198	3,976	10,174	6,198	-	6,198	\$ 1.835	\$ 11,373
Mar-21	3/27/2021	6,841	5,323	12,164	6,841	-	6,841	\$ 1.835	\$ 12,553
Mar-21	3/28/2021	5,780	5,948	11,728	5,780	-	5,780	\$ 1.835	\$ 10,606
Mar-21	3/29/2021	8,314	6,789	15,103	8,314	-	8,314	\$ 1.835	\$ 15,256
Mar-21	3/30/2021	7,551	5,889	13,440	7,551	-	7,551	\$ 1.940	\$ 14,649
Mar-21	3/31/2021	6,621	4,326	10,947	6,621	-	6,621	\$ 1.915	\$ 12,679
Apr-21	4/1/2021	7,906	7,027	14,933	7,906	-	7,906	\$ 2.535	\$ 20,042
Apr-21	4/2/2021	7,608	7,070	14,678	7,608	-	7,608	\$ 2.255	\$ 17,156
Apr-21	4/3/2021	6,982	6,066	13,048	6,982	-	6,982	\$ 2.255	\$ 15,744
Apr-21	4/4/2021	6,600	4,836	11,436	6,600	-	6,600	\$ 2.255	\$ 14,883
Apr-21	4/5/2021	7,170	6,015	13,185	7,170	-	7,170	\$ 2.255	\$ 16,168
Apr-21	4/6/2021	7,074	5,130	12,204	7,074	-	7,074	\$ 1.930	\$ 13,653
Apr-21	4/7/2021	6,780	4,551	11,331	6,780	-	6,780	\$ 2.000	\$ 13,560
Apr-21	4/8/2021	6,921	5,239	12,160	6,921	-	6,921	\$ 1.920	\$ 13,288
Apr-21	4/9/2021	6,754	4,501	11,255	6,754	-	6,754	\$ 1.795	\$ 12,123
Apr-21	4/10/2021	5,806	3,678	9,484	5,806	-	5,806	\$ 1.775	\$ 10,306
Apr-21	4/11/2021	7,038	5,408	12,446	7,038	-	7,038	\$ 1.775	\$ 12,492
Apr-21	4/12/2021	7,731	5,835	13,566	7,731	-	7,731	\$ 1.775	\$ 13,723
Apr-21	4/13/2021	7,458	4,824	12,282	7,458	-	7,458	\$ 1.940	\$ 14,469
Apr-21	4/14/2021	7,358	5,139	12,497	7,358	-	7,358	\$ 2.065	\$ 15,194
Apr-21	4/15/2021	7,168	5,815	12,983	7,168	-	7,168	\$ 2.355	\$ 16,881
Apr-21	4/16/2021	7,696	6,650	14,346	7,696	-	7,696	\$ 3.170	\$ 24,396
Apr-21	4/17/2021	6,818	5,338	12,156	6,818	-	6,818	\$ 2.865	\$ 19,534
Apr-21	4/18/2021	6,832	5,282	12,114	6,832	-	6,832	\$ 2.865	\$ 19,574
Apr-21	4/19/2021	7,530	4,850	12,380	7,530	-	7,530	\$ 2.865	\$ 21,573
Apr-21	4/20/2021	7,775	4,321	12,096	7,775	-	7,775	\$ 2.445	\$ 19,010
Apr-21	4/21/2021	7,506	6,009	13,515	7,506	-	7,506	\$ 2.605	\$ 19,553
Apr-21	4/22/2021	8,365	6,834	15,199	8,365	-	8,365	\$ 3.135	\$ 26,224
Apr-21	4/23/2021	6,142	4,519	10,661	6,142	-	6,142	\$ 2.465	\$ 15,140

Load Shape Price Factor Worksheet

		Historic Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment			2020-2021 Cost Analysis		
Month	Date	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total	AGT City-Gate Price	AGT City-Gate Cost	
Apr-21	4/24/2021	3,760	3,191	6,951	3,760	-	3,760	\$ 2.160	\$ 8,122	
Apr-21	4/25/2021	5,260	5,107	10,367	5,260	-	5,260	\$ 2.160	\$ 11,362	
Apr-21	4/26/2021	8,383	6,029	14,412	8,383	-	8,383	\$ 2.160	\$ 18,107	
Apr-21	4/27/2021	7,309	4,561	11,870	7,309	-	7,309	\$ 2.600	\$ 19,003	
Apr-21	4/28/2021	6,835	5,023	11,858	6,835	-	6,835	\$ 2.525	\$ 17,258	
Apr-21	4/29/2021	6,866	5,165	12,031	6,866	-	6,866	\$ 2.465	\$ 16,925	
Apr-21	4/30/2021	6,859	4,898	11,757	6,859	-	6,859	\$ 2.400	\$ 16,462	
Winter Period		1,311,091	1,303,347	2,614,438	1,311,091	-	1,311,091	\$ 4.343	\$ 5,694,604	
Weighted Average Daily Price								\$ 4.343		
Straight Average Daily Price								\$ 4.154		
Load Shape Price Factor								1.046		

Month	Projected Delivery Service Loads			Delivery Service Loads Not Subject to Capacity Assignment		
	Capacity Exempt	Capacity Assigned	Total	Capacity Exempt	Capacity Assigned	Total
Nov-21	227,140	211,485	438,625	227,140	-	227,140
Dec-21	231,339	241,104	472,443	231,339	-	231,339
Jan-22	256,763	273,557	530,320	256,763	-	256,763
Feb-22	242,833	251,374	494,207	242,833	-	242,833
Mar-22	255,609	250,793	506,402	255,609	-	255,609
Apr-22	232,427	202,864	435,291	232,427	-	232,427
Winter	1,446,111	1,431,177	2,877,288	1,446,111	-	1,446,111

2021-2022 Annual City Gate Cost, Delivered Volumes and Unit Cost - DESIGN YEAR
Current Long-Term Portfolio, Multi-Year Peaking Contract 40,000 Dth / Day

Total Unit Cost Rank	Supply Source	City-Gate Commodity Costs (\$)	City-Gate Unit Commodity Cost (\$/Dth)	City-Gate Volumes (Dth)	Maximum City-Gate Volumes (Dth)	Capacity Factor (City-Gate / Maximum Volumes)	Demand Cost (\$)	Total Cost (\$)	City-Gate Total Unit Cost (\$/Dth)
1	Tennessee FS-MA Storage Path	\$ 2,733,224	\$ 2.832	964,956	964,956	100%	\$ 530,139	\$ 3,263,362	\$ 3.382
2	Algonquin Receipts Pipeline Path	\$ 1,453,800	\$ 3.184	456,615	456,615	100%	\$ 210,818	\$ 1,664,618	\$ 3.646
3	Tennessee Niagara Pipeline Path	\$ 2,819,113	\$ 3.441	819,207	849,292	96%	\$ 337,499	\$ 3,156,612	\$ 3.853
4	Atlantic Bridge Ramapo Pipeline Path	\$ 10,775,067	\$ 3.936	2,737,500	2,737,500	100%	\$ 6,212,268	\$ 16,987,335	\$ 6.205
5	Iroquois Receipts Pipeline Path	\$ 5,010,250	\$ 5.157	971,541	2,333,929	42%	\$ 1,386,220	\$ 6,396,470	\$ 6.584
6	Tennessee Long-Haul Pipeline Path	\$ 9,030,522	\$ 4.651	1,941,723	4,784,770	41%	\$ 3,844,758	\$ 12,875,280	\$ 6.631
7	Union Dawn Storage Path	\$ 18,549,357	\$ 3.216	5,767,521	14,549,991	40%	\$ 24,257,847	\$ 42,807,204	\$ 7.422
8	PXP Dawn Pipeline Path	\$ 6,542,999	\$ 4.340	1,507,666	3,637,225	41%	\$ 5,907,281	\$ 12,450,280	\$ 8.258
9	Off-System Peaking / Incremental Supply	\$ 7,516,840	\$ 11.262	667,448	597,900	112%	\$ 11,837,871	\$ 19,354,710	\$ 28.998
10	Lewiston LNG	\$ 450,726	\$ 6.010	75,000	75,000	100%	\$ 1,776,000	\$ 2,226,726	\$ 29.690
	Long-Term Portfolio Supplies	\$ 64,431,172	\$ 4.069	15,834,176	30,912,177	51%	\$ 54,524,700	\$ 118,955,872	\$ 7.513
	Total Supplies - Including Off-System / Incremental Supply	\$ 64,881,898	\$ 4.078	15,909,176	30,987,177	51%	\$ 56,300,700	\$ 121,182,598	\$ 7.617

Northern Utilities, Inc.
Demand Costs by Capacity Path (\$)
Current Long-Term Portfolio, Multi-Year Peaking Contract 40,000 Dth / Day
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Annual
Tennessee FTA K# 5083 Zone 0 Demand	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 91,728	\$ 550,367	\$ 550,367	\$ 1,100,735
Tennessee FTA K# 5083 Zone L Demand	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 151,200	\$ 907,199	\$ 907,199	\$ 1,814,399
Granite Demand	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 77,469	\$ 464,812	\$ 464,812	\$ 929,624
Tennessee Long-Haul Pipeline Path	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 320,397	\$ 1,922,379	\$ 1,922,379	\$ 3,844,758
Texas Eastern FT-1 K# 800384	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 6,819	\$ 40,912	\$ 40,912	\$ 81,824
Algonquin 93201A1C (Lambertville)	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 8,292	\$ 49,752	\$ 49,752	\$ 99,503
Algonquin 93201A1C (Centerville)	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 2,458	\$ 14,745	\$ 14,745	\$ 29,490
Algonquin Receipts Pipeline Path	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 17,568	\$ 105,409	\$ 105,409	\$ 210,818
Tennessee FTA K# 5292 Demand	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 8,655	\$ 51,932	\$ 51,932	\$ 103,864
Tennessee FTA K# 39735 Demand	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 5,719	\$ 34,314	\$ 34,314	\$ 68,627
Granite Demand	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 13,751	\$ 82,504	\$ 82,504	\$ 165,007
Tennessee Niagara Pipeline Path	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 28,125	\$ 168,749	\$ 168,749	\$ 337,499
Iroquois RTS K# R181001 Demand	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 34,393	\$ 206,360	\$ 206,360	\$ 412,720
Tennessee FTA K# 41099 Demand	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 26,268	\$ 157,606	\$ 157,606	\$ 315,212
Algonquin FT K# 93002F Demand	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 36,184	\$ 217,103	\$ 217,103	\$ 434,206
Tennessee FTA K# 95196 Demand (to CMA)	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 8,508	\$ 51,046	\$ 51,046	\$ 102,091
Tennessee FTA K# 95196 Demand (to GSGT)	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 5,196	\$ 31,174	\$ 31,174	\$ 62,348
Granite Demand	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 4,970	\$ 29,821	\$ 29,821	\$ 59,643
Iroquois Receipts Pipeline Path	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 115,518	\$ 693,110	\$ 693,110	\$ 1,386,220
Algonquin - Atlantic Bridge	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 417,314	\$ 2,503,886	\$ 2,503,886	\$ 5,007,771
Maritimes - Atlantic Bridge	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 100,375	\$ 602,248	\$ 602,248	\$ 1,204,497
Atlantic Bridge Ramapo Pipeline Path	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 517,689	\$ 3,106,134	\$ 3,106,134	\$ 6,212,268
Union - PXP	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 31,064	\$ 186,382	\$ 186,382	\$ 372,764
TCPL - PXP	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 174,196	\$ 1,045,174	\$ 1,045,174	\$ 2,090,348
PNGTS - PXP	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 228,125	\$ 1,368,750	\$ 1,368,750	\$ 2,737,500
Granite Demand	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 58,889	\$ 353,335	\$ 353,335	\$ 706,670
PXP Dawn Pipeline Path	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 492,273	\$ 2,953,641	\$ 2,953,641	\$ 5,907,281
Union - WXP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TCPL - WXP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PNGTS - WXP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Granite Demand	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WXP Dawn Pipeline Path	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tennessee FS-MA K# 5195 MDW Demand	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 5,431	\$ 32,589	\$ 32,589	\$ 65,178
Tennessee FS-MA K# 5195 MSQ Demand	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 4,538	\$ 27,230	\$ 27,230	\$ 54,461
Tennessee FTA K# 5265 Demand	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 18,585	\$ 111,510	\$ 111,510	\$ 223,021
Granite Demand	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 15,623	\$ 93,740	\$ 93,740	\$ 187,480
Tennessee FS-MA Storage Path	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 44,178	\$ 265,069	\$ 265,069	\$ 530,139
Union Dawn Storage Demand (MSQ)	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 236,800	\$ 1,420,800	\$ 1,420,800	\$ 2,841,600
Union	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 123,406	\$ 740,436	\$ 740,436	\$ 1,480,872
TCPL	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 695,652	\$ 4,173,913	\$ 4,173,913	\$ 8,347,826
PNGTS	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 730,055	\$ 4,380,328	\$ 4,380,328	\$ 8,760,657
Granite Demand	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 235,574	\$ 1,413,446	\$ 1,413,446	\$ 2,826,892
Union Dawn Storage Path	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 2,021,487	\$ 12,128,924	\$ 12,128,924	\$ 24,257,847
LNG Contract Demand	\$ 355,200	\$ 355,200	\$ 355,200	\$ 355,200	\$ 355,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,776,000	\$ -	\$ 1,776,000
Lewiston LNG	\$ 355,200	\$ 355,200	\$ 355,200	\$ 355,200	\$ 355,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,776,000	\$ -	\$ 1,776,000
Off-System Peaking / Incremental Supply Cont	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 801,806	\$ 4,810,833	\$ 4,810,833	\$ 9,621,667
Granite Demand	\$ 314,695	\$ 314,695	\$ 314,695	\$ 314,695	\$ 314,695	\$ 314,695	\$ 54,672	\$ 54,672	\$ 54,672	\$ 54,672	\$ 54,672	\$ 54,672	\$ 1,888,169	\$ 328,035	\$ 2,216,204
Off-System Peaking / Incremental Supply	\$ 1,116,500	\$ 1,116,500	\$ 1,116,500	\$ 1,116,500	\$ 1,116,500	\$ 1,116,500	\$ 856,478	\$ 856,478	\$ 856,478	\$ 856,478	\$ 856,478	\$ 856,478	\$ 5,582,502	\$ 6,255,368	\$ 11,837,871
Pipeline Capacity	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 1,491,570	\$ 8,949,422	\$ 8,949,422	\$ 17,898,844
Storage Capacity	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 2,065,665	\$ 12,393,993	\$ 12,393,993	\$ 24,787,986
Peaking Capacity	\$ 1,471,700	\$ 1,471,700	\$ 1,471,700	\$ 1,471,700	\$ 1,471,700	\$ 1,116,500	\$ 856,478	\$ 856,478	\$ 856,478	\$ 856,478	\$ 856,478	\$ 856,478	\$ 8,475,003	\$ 5,138,868	\$ 13,613,871
Total Capacity	\$ 5,028,936	\$ 5,028,936	\$ 5,028,936	\$ 5,028,936	\$ 5,028,936	\$ 4,673,736	\$ 4,413,714	\$ 4,413,714	\$ 4,413,714	\$ 4,413,714	\$ 4,413,714	\$ 4,413,714	\$ 29,818,417	\$ 26,482,283	\$ 56,300,700

Northern Utilities, Inc.
Demand Billing Determinants by Capacity Path (Dth per Month)
Current Long-Term Portfolio, Multi-Year Peaking Contract 40,000 Dth / Day
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Annual
Tennessee FTA K# 5083 Zone O Demand	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605	4,605
Tennessee FTA K# 5083 Zone L Demand	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550	8,550
Granite Demand	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109
Tennessee Long-Haul Pipeline Path	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109	13,109
Texas Eastern FT-1 K# 800384	965	965	965	965	965	965	965	965	965	965	965	965	965	965	965
Algonquin 93201A1C (Lambertville)	965	965	965	965	965	965	965	965	965	965	965	965	965	965	965
Algonquin 93201A1C (Centerville)	286	286	286	286	286	286	286	286	286	286	286	286	286	286	286
Algonquin Receipts Pipeline Path	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251	1,251
Tennessee FTA K# 5292 Demand	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406	1,406
Tennessee FTA K# 39735 Demand	929	929	929	929	929	929	929	929	929	929	929	929	929	929	929
Granite Demand	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327
Tennessee Niagara Pipeline Path	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327	2,327
Iroquois RTS K# R181001 Demand	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569	6,569
Tennessee FTA K# 41099 Demand	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267	4,267
Algonquin FT K# 93002F Demand	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211	4,211
Tennessee FTA K# 95196 Demand (to CMA)	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382	1,382
Tennessee FTA K# 95196 Demand (to GSGT)	844	844	844	844	844	844	844	844	844	844	844	844	844	844	844
Granite Demand	841	841	841	841	841	841	841	841	841	841	841	841	841	841	841
Iroquois Receipts Pipeline Path	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434	6,434
Algonquin - Atlantic Bridge	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599	7,599
Maritimes - Atlantic Bridge	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
Atlantic Bridge Ramapo Pipeline Path	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500
Union - PXP	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250	10,250
TCPL - PXP	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017	10,017
PNGTS - PXP	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Granite Demand	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965
PXP Dawn Pipeline Path	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965	9,965
Union - WXP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCPL - WXP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PNGTS - WXP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Granite Demand	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WXP Dawn Pipeline Path	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee FS-MA K# 5195 MDW Demand	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243	4,243
Tennessee FS-MA K# 5195 MSQ Demand	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337	259,337
Tennessee FTA K# 5265 Demand	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653	2,653
Granite Demand	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644
Tennessee FS-MA Storage Path	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644
Union Dawn Storage Demand (MSQ)	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000	4,000,000
Union	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720	40,720
TCPL	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003
PNGTS	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003	40,003
Granite Demand	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863
Union Dawn Storage Path	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863	39,863
LNG Contract Demand	6,500	6,500	6,500	6,500	6,500	6,500	0	0	0	0	0	0	6,500	0	6,500
Lewiston LNG	6,500	6,500	6,500	6,500	6,500	6,500	0	0	0	0	0	0	6,500	0	6,500
Off-System Peaking / Incremental Supply Cont	40,000	40,000	40,000	40,000	40,000	40,000	9,251	9,251	9,251	9,251	9,251	9,251	33,333	0	33,333
Granite Demand	53,251	53,251	53,251	53,251	53,251	53,251	53,251	9,251	9,251	9,251	9,251	9,251	53,251	9,251	31,251
Off-System Peaking / Incremental Supply	53,251	53,251	53,251	53,251	53,251	53,251	53,251	9,251	9,251	9,251	9,251	9,251	266,257	108,760	375,018
Pipeline Capacity	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586	40,586
Storage Capacity	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507	42,507
Peaking Capacity	59,751	59,751	59,751	59,751	59,751	59,751	9,251	9,251	9,251	9,251	9,251	9,251	59,751	9,251	34,501
Total Capacity	142,844	142,844	142,844	142,844	142,844	142,844	92,344	92,344	92,344	92,344	92,344	92,344	142,844	92,344	117,594

Northern Utilities, Inc.
Demand Rates (\$ per Dth per Month)
Current Long-Term Portfolio, Multi-Year Peaking Contract 40,000 Dth / Day
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Annual
Tennessee FTA K# 5083 Zone 0 Demand	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919	\$ 19.919
Tennessee FTA K# 5083 Zone L Demand	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684	\$ 17.684
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
Tennessee Long-Haul Pipeline Path	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441	\$ 24.441
Texas Eastern FT-1 K# 800384	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066	\$ 7.066
Algonquin 93201A1C (Lambertville)	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593
Algonquin 93201A1C (Centerville)	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593
Algonquin Receipts Pipeline Path	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043	\$ 14.043
Tennessee FTA K# 5292 Demand	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156
Tennessee FTA K# 39735 Demand	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
Tennessee Niagara Pipeline Path	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087	\$ 12.087
Iroquois RTS K# R181001 Demand	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236	\$ 5.236
Tennessee FTA K# 41099 Demand	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156
Algonquin FT K# 93002F Demand	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593	\$ 8.593
Tennessee FTA K# 95196 Demand (to CM)	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156
Tennessee FTA K# 95196 Demand (to GS)	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156	\$ 6.156
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
Iroquois Receipts Pipeline Path	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954	\$ 17.954
Algonquin - Atlantic Bridge	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917	\$ 54.917
Maritimes - Atlantic Bridge	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383	\$ 13.383
Atlantic Bridge Ramapo Pipeline Path	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025	\$ 69.025
Union - PXP	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031
TCPL - PXP	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390
PNGTS - PXP	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813	\$ 22.813
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
PXP Dawn Pipeline Path	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400	\$ 49.400
Union - WXP	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031			
TCPL - WXP	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390			
PNGTS - WXP	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942	\$ 24.942			
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910			
WXP Dawn Pipeline Path															
Tennessee FS-MA K# 5195 MDW Demand	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280	\$ 1.280
Tennessee FS-MA K# 5195 MSQ Demand	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018	\$ 0.018
Tennessee FTA K# 5265 Demand	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005	\$ 7.005
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
Tennessee FS-MA Storage Path	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711	\$ 16.711
Union Dawn Storage Demand (MSQ)	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059	\$ 0.059
Union	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031	\$ 3.031
TCPL	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390	\$ 17.390
PNGTS	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250	\$ 18.250
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
Union Dawn Storage Path	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711	\$ 50.711
LNG Contract Demand	\$ 54.646	\$ 54.646	\$ 54.646	\$ 54.646	\$ 54.646	\$ -							\$ 45.538		\$ 45.538
Lewiston LNG	\$ 54.646	\$ 54.646	\$ 54.646	\$ 54.646	\$ 54.646	\$ -							\$ 45.538		\$ 45.538
Off-System Peaking / Incremental Supply	\$ 20.045	\$ 20.045	\$ 20.045	\$ 20.045	\$ 20.045		\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 28.865		\$ 28.865
Granite Demand	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910		\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910	\$ 5.910
Proxy Delivered Supply	\$ 20.967	\$ 20.967	\$ 20.967	\$ 20.967	\$ 20.967	\$ 20.967	\$ 20.967	\$ 92.578	\$ 92.578	\$ 92.578	\$ 92.578	\$ 92.578	\$ 20.967	\$ 57.515	\$ 31.566
Pipeline Capacity	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751	\$ 36.751
Storage Capacity	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596	\$ 48.596
Peaking Capacity	\$ 24.630	\$ 24.630	\$ 24.630	\$ 24.630	\$ 24.630	\$ 18.686	\$ 92.578	\$ 92.578	\$ 92.578	\$ 92.578	\$ 92.578	\$ 92.578	\$ 23.640	\$ 92.578	\$ 32.882
Total Capacity	\$ 35.206	\$ 35.206	\$ 35.206	\$ 35.206	\$ 35.206	\$ 32.719	\$ 47.796	\$ 47.796	\$ 47.796	\$ 47.796	\$ 47.796	\$ 47.796	\$ 34.791	\$ 47.796	\$ 39.898

2021-2022 Year

Rank	Supply Source	City-Gate Commodity Costs (\$)	City-Gate Unit Commodity Cost (\$/Dth)	City-Gate Volumes (Dth)	Maximum City-Gate Volumes (Dth)	Capacity Factor (City-Gate / Maximum Volumes)	Demand Cost (\$)	Total Cost (\$)	City-Gate Unit Total Cost (\$/Dth)
6	Tennessee Long-Haul Pipeline Path	\$ 9,030,522	\$ 4.651	1,941,723	4,784,770	41%	\$ 3,844,758	\$ 12,875,280	\$ 6.631
2	Algonquin Receipts Pipeline Path	\$ 1,453,800	\$ 3.184	456,615	456,615	100%	\$ 210,818	\$ 1,664,618	\$ 3.646
5	Iroquois Receipts Pipeline Path	\$ 5,010,250	\$ 5.157	971,541	2,333,929	42%	\$ 1,386,220	\$ 6,396,470	\$ 6.584
3	Tennessee Niagara Pipeline Path	\$ 2,819,113	\$ 3.441	819,207	849,292	96%	\$ 337,499	\$ 3,156,612	\$ 3.853
1	Tennessee FS-MA Storage Path	\$ 2,733,224	\$ 2.832	964,956	964,956	100%	\$ 530,139	\$ 3,263,362	\$ 3.382
7	Union Dawn Storage Path	\$ 18,549,357	\$ 3.216	5,767,521	14,549,991	40%	\$ 24,257,847	\$ 42,807,204	\$ 7.422
10	Lewiston LNG	\$ 450,726	\$ 6.010	75,000	75,000	100%	\$ 1,776,000	\$ 2,226,726	\$ 29.690
4	Atlantic Bridge Ramapo Pipeline Path	\$ 10,775,067	\$ 3.936	2,737,500	2,737,500	100%	\$ 6,212,268	\$ 16,987,335	\$ 6.205
8	PXP Dawn Pipeline Path	\$ 6,542,999	\$ 4.340	1,507,666	3,637,225	41%	\$ 5,907,281	\$ 12,450,280	\$ 8.258
9	Off-System Peaking / Incremental Supply	\$ 7,516,840	\$ 11.262	667,448	597,900	112%	\$ 11,837,871	\$ 19,354,710	\$ 28.998

CONFIDENTIAL

Denotes Confidential Information

Northern Utilities, Inc. Commodity Cost by Supply Source (\$) November 2021 through October 2022																
Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year	
Pipeline Supplies																
TGP Zone 4 300 Leg Supply	\$ 288,716	\$ -	\$ -	\$ 1,646	\$ 235,320	\$ 234,248	\$ 219,660	\$ 214,589	\$ 220,742	\$ 215,497	\$ 189,450	\$ 195,515	\$ 759,931	\$ 1,255,453	\$ 2,015,384	
Tennessee FS-MA Storage Path	\$ 288,716	\$ -	\$ -	\$ 1,646	\$ 235,320	\$ 234,248	\$ 219,660	\$ 214,589	\$ 220,742	\$ 215,497	\$ 189,450	\$ 195,515	\$ 759,931	\$ 1,255,453	\$ 2,015,384	
Dawn Supply	\$ -	\$ -	\$ -	\$ 315,150	\$ 691,268	\$ 2,647,926	\$ 866,205	\$ 80,099	\$ -	\$ 8,819	\$ 327,760	\$ 1,489,802	\$ 3,654,344	\$ 2,772,685	\$ 6,427,029	
Union Dawn Storage Path	\$ -	\$ -	\$ -	\$ 315,150	\$ 691,268	\$ 2,647,926	\$ 866,205	\$ 80,099	\$ -	\$ 8,819	\$ 327,760	\$ 1,489,802	\$ 3,654,344	\$ 2,772,685	\$ 6,427,029	
Leidy Hub	\$ 102,836	\$ 113,873	\$ 116,737	\$ 104,176	\$ 107,060	\$ 81,337	\$ 75,065	\$ 73,172	\$ 74,791	\$ 72,940	\$ 64,272	\$ 66,202	\$ 626,020	\$ 426,441	\$ 1,052,461	
Texas Eastern Zone M-3	\$ 1,043	\$ 1,475	\$ 2,114	\$ 1,839	\$ 1,235	\$ 768	\$ 730	\$ 717	\$ 770	\$ 765	\$ 662	\$ 685	\$ 8,475	\$ 4,328	\$ 12,803	
Transco Zone 6, non-NY	\$ 33,003	\$ 43,863	\$ 61,294	\$ 53,090	\$ 37,068	\$ 24,694	\$ 22,886	\$ 22,243	\$ 24,354	\$ 23,790	\$ 20,295	\$ 21,956	\$ 253,012	\$ 135,524	\$ 388,536	
Algonquin Receipts Pipeline Path	\$ 136,882	\$ 159,211	\$ 180,145	\$ 159,105	\$ 145,363	\$ 106,800	\$ 98,681	\$ 96,132	\$ 99,915	\$ 97,495	\$ 85,228	\$ 88,842	\$ 887,507	\$ 566,294	\$ 1,453,800	
Tennessee Niagara Pipeline Path	\$ 274,162	\$ 293,741	\$ 298,998	\$ 270,986	\$ 286,951	\$ 215,092	\$ 204,734	\$ 180,130	\$ 160,622	\$ 213,938	\$ 206,331	\$ 213,427	\$ 1,639,931	\$ 1,179,182	\$ 2,819,113	
PXP Dawn Pipeline Path	\$ 1,230,168	\$ 1,346,626	\$ 1,369,473	\$ 1,240,956	\$ 1,317,116	\$ 38,660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,542,999	\$ -	\$ 6,542,999	
Tennessee Zone 0	\$ 599,904	\$ 674,068	\$ 702,517	\$ 643,187	\$ 623,009	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,242,686	\$ -	\$ 3,242,686	
Tennessee Zone L	\$ 1,013,421	\$ 1,238,570	\$ 1,257,356	\$ 1,119,207	\$ 1,159,281	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,787,836	\$ -	\$ 5,787,836	
Tennessee Long-Haul Pipeline Path	\$ 1,613,325	\$ 1,912,638	\$ 1,959,873	\$ 1,762,395	\$ 1,782,291	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,030,522	\$ -	\$ 9,030,522	
Iroquois Receipts Pipeline Path	\$ 847,447	\$ 1,012,755	\$ 1,204,430	\$ 1,069,369	\$ 876,249	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,010,250	\$ -	\$ 5,010,250	
Atlantic Bridge Ramapo Pipeline Path	\$ 882,497	\$ 1,230,676	\$ 1,769,765	\$ 1,539,727	\$ 1,028,054	\$ 652,802	\$ 619,435	\$ 608,423	\$ 653,828	\$ 649,437	\$ 560,504	\$ 579,919	\$ 7,103,521	\$ 3,671,546	\$ 10,775,067	
Total Pipeline	\$ 5,273,197	\$ 5,955,648	\$ 6,782,685	\$ 6,359,335	\$ 6,362,612	\$ 3,895,528	\$ 2,008,715	\$ 1,179,373	\$ 1,135,108	\$ 1,185,187	\$ 1,369,273	\$ 2,567,505	\$ 34,629,004	\$ 9,445,160	\$ 44,074,164	
NH CM Pipeline (Leidy/M-3)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
ME CM Pipeline (Leidy/M-3)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
NH CM Pipeline (Transco)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
ME CM Pipeline (Transco)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
NH CM Pipeline (Iroq Rec)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
ME CM Pipeline (Iroq Rec)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Net Pipeline	\$ 5,273,197	\$ 5,955,648	\$ 6,782,685	\$ 6,359,335	\$ 6,362,612	\$ 3,895,528	\$ 2,008,715	\$ 1,179,373	\$ 1,135,108	\$ 1,185,187	\$ 1,369,273	\$ 2,567,505	\$ 34,629,004	\$ 9,445,160	\$ 44,074,164	
Underground Storage																
Tennessee Storage	\$ -	\$ 230,459	\$ 230,459	\$ 206,983	\$ 49,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 717,840	\$ -	\$ 717,840	
Tennessee FS-MA Storage Path	\$ -	\$ 230,459	\$ 230,459	\$ 206,983	\$ 49,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 717,840	\$ -	\$ 717,840	
Union Dawn Storage	\$ 1,202,433	\$ 2,712,755	\$ 3,233,850	\$ 3,003,277	\$ 1,970,012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,122,328	\$ -	\$ 12,122,328	
Union Dawn Storage Path	\$ 1,202,433	\$ 2,712,755	\$ 3,233,850	\$ 3,003,277	\$ 1,970,012	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,122,328	\$ -	\$ 12,122,328	
Net Storage	\$ 1,202,433	\$ 2,943,214	\$ 3,464,309	\$ 3,210,260	\$ 2,019,953	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,840,168	\$ -	\$ 12,840,168	
Peaking Supplies																
PNGTS Delivered (Dec - Feb)	\$ -	\$ 1,101,058	\$ 1,106,250	\$ 993,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,200,481	\$ -	\$ 3,200,481	
Baseload Delivered Supplies	\$ -	\$ 1,101,058	\$ 1,106,250	\$ 993,174	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,200,481	\$ -	\$ 3,200,481	
Lewiston LNG	\$ 9,703	\$ 10,222	\$ 213,866	\$ 59,025	\$ 80,032	\$ 9,673	\$ 9,930	\$ 10,442	\$ 10,790	\$ 10,790	\$ 12,679	\$ 13,572	\$ 382,523	\$ 68,203	\$ 450,726	
Peaking Contract 1	\$ -	\$ 145,191	\$ 911,836	\$ 379,977	\$ 154,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,591,481	\$ -	\$ 1,591,481	
Peaking Contract 2	\$ -	\$ 999,563	\$ 3,040,473	\$ 1,885,323	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,925,359	\$ -	\$ 5,925,359	
Off-System Peaking / Incremental Supply	\$ -	\$ 1,144,754	\$ 3,952,309	\$ 2,265,300	\$ 154,477	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,516,840	\$ -	\$ 7,516,840	
Total Peaking	\$ 9,703	\$ 2,256,034	\$ 5,272,425	\$ 3,317,499	\$ 234,509	\$ 9,673	\$ 9,930	\$ 10,442	\$ 10,790	\$ 10,790	\$ 12,679	\$ 13,572	\$ 11,099,844	\$ 68,203	\$ 11,168,047	
NH Peaking Service - (On System)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
ME Peaking Service - (On-System)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Net Peaking	\$ 9,703	\$ 2,256,034	\$ 5,272,425	\$ 3,317,499	\$ 234,509	\$ 9,673	\$ 9,930	\$ 10,442	\$ 10,790	\$ 10,790	\$ 12,679	\$ 13,572	\$ 11,099,844	\$ 68,203	\$ 11,168,047	
Total NUI Commodity	\$ 6,485,334	\$ 11,154,895	\$ 15,519,419	\$ 12,887,094	\$ 8,617,073	\$ 3,905,201	\$ 2,018,645	\$ 1,189,815	\$ 1,145,898	\$ 1,195,977	\$ 1,381,952	\$ 2,581,077	\$ 58,569,016	\$ 9,513,363	\$ 68,082,379	
Company Managed Sales	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Net Commodity Costs	\$ 6,485,334	\$ 11,154,895	\$ 15,519,419	\$ 12,887,094	\$ 8,617,073	\$ 3,905,201	\$ 2,018,645	\$ 1,189,815	\$ 1,145,898	\$ 1,195,977	\$ 1,381,952	\$ 2,581,077	\$ 58,569,016	\$ 9,513,363	\$ 68,082,379	
Sales Service Commodity	\$ 6,485,334	\$ 11,154,895	\$ 15,519,419	\$ 12,887,094	\$ 8,617,073	\$ 3,905,201	\$ 2,018,645	\$ 1,189,815	\$ 1,145,898	\$ 1,195,977	\$ 1,381,952	\$ 2,581,077	\$ 58,569,016	\$ 9,513,363	\$ 68,082,379	

Off-System Sales	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	
Net Sales Service	\$	6,485,334	\$	11,154,895	\$	15,519,419	\$	12,887,094	\$	8,617,073	\$	3,905,201	\$	2,018,645	\$	1,189,815	\$	1,145,898	\$	1,195,977	\$	1,381,952	\$	2,581,077	\$	58,569,016	\$	9,513,363	\$	68,082,379	
Injected Value	\$	10,890	\$	11,486	\$	176,719	\$	59,412	\$	79,051	\$	45,950	\$	3,034,293	\$	2,822,909	\$	130,494	\$	1,270,351	\$	2,966,207	\$	3,033,504	\$	383,508	\$	13,257,758	\$	10,606,973	
Withdrawn Inventory Value	\$	1,199,209	\$	2,915,364	\$	3,634,500	\$	3,228,997	\$	2,076,875	\$	9,673	\$	9,930	\$	10,442	\$	10,790	\$	10,790	\$	12,679	\$	13,572	\$	13,064,618	\$	68,203	\$	13,122,891	
Total Cash Outlays	\$	5,297,014	\$	8,251,018	\$	12,061,637	\$	9,717,509	\$	6,619,250	\$	3,941,478	\$	5,043,007	\$	4,002,283	\$	1,265,602	\$	2,455,538	\$	4,335,479	\$	5,601,009	\$	45,887,906	\$	22,702,918	\$	68,590,823	
Sendout Total Variable Costs	\$	5,297,014	\$	8,251,018	\$	12,061,637	\$	9,717,509	\$	6,619,250	\$	3,941,478	\$	5,043,007	\$	4,002,282	\$	1,265,602	\$	2,455,538	\$	4,335,479	\$	5,601,009	\$	45,887,906	\$	22,702,917	\$	68,590,823	
\$	0	\$	(0)	\$	0	\$	0	\$	(0)	\$	(0)	\$	0	\$	0	\$	0	\$	0	\$	(0)	\$	0	\$	0	\$	0	\$	0	\$	0
LNG LEWS	\$	9,526	\$	10,152	\$	213,071	\$	59,844	\$	80,312	\$	10,319	\$	9,881	\$	9,706	\$	10,803	\$	10,803	\$	10,752	\$	13,409							
TGP FS	\$	-	\$	221,552	\$	221,552	\$	198,983	\$	48,010	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-							
Union	\$	1,189,506	\$	2,683,590	\$	3,199,083	\$	2,970,989	\$	1,948,833	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-							
SENDOUT Withdrawn Value	\$	1,199,032	\$	2,915,293	\$	3,633,705	\$	3,229,815	\$	2,077,154	\$	10,319	\$	9,881	\$	9,706	\$	10,803	\$	10,803	\$	10,752	\$	13,409							
	\$	177	\$	70	\$	795	\$	(818)	\$	(280)	\$	(646)	\$	49	\$	736	\$	(13)	\$	(13)	\$	1,927	\$	163							

Initial NYMEX	\$	4.21	\$	4.32	\$	4.38	\$	4.30	\$	4.02	\$	3.37	\$	3.28	\$	3.30	\$	3.34	\$	3.34	\$	3.33	\$	3.35	\$	3	\$	4	\$	4
Latest Update	\$	4.21	\$	4.32	\$	4.38	\$	4.30	\$	4.02	\$	3.37	\$	3.28	\$	3.30	\$	3.34	\$	3.34	\$	3.33	\$	3.35						
NYMEX Adjustment	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-						

Northern Utilities, Inc. Commodity Volumes by Supply Source (Dth) November 2021 through October 2022															
Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year
Pipeline Supplies															
TGP Zone 4 300 Leg Supply	79,311	0	0	417	64,196	79,311	81,955	79,311	81,955	81,955	79,311	81,955	223,236	486,443	709,679
Tennessee FS-MA Storage Path	79,311	0	0	417	64,196	79,311	81,955	79,311	81,955	81,955	79,311	81,955	223,236	486,443	709,679
Dawn Supply	0	0	0	71,125	162,753	793,077	270,139	24,877	0	2,737	102,054	463,431	1,026,955	863,237	1,890,192
Union Dawn Storage Path	0	0	0	71,125	162,753	793,077	270,139	24,877	0	2,737	102,054	463,431	1,026,955	863,237	1,890,192
Leidy Hub	28,681	29,625	29,625	26,758	29,625	28,681	29,637	28,681	29,637	29,637	28,681	29,637	172,994	175,909	348,903
Texas Eastern Zone M-3	269	290	290	262	290	269	278	269	278	269	278	269	1,671	1,651	3,322
Transco Zone 6, non-NY	8,580	8,866	8,866	8,008	8,866	8,580	8,866	8,580	8,866	8,866	8,580	8,866	51,766	52,624	104,390
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	37,530	38,781	37,530	38,781	38,781	37,530	38,781	226,431	230,184	456,615
Tennessee Niagara Pipeline Path	69,805	72,132	72,132	65,151	72,132	69,805	69,384	60,774	53,825	72,132	69,805	72,132	421,156	398,051	819,207
PXP Dawn Pipeline Path	291,718	308,574	308,574	278,712	308,574	11,515	0	0	0	0	0	0	1,507,666	0	1,507,666
Tennessee Zone 0	133,078	142,255	142,255	128,489	142,255	0	0	0	0	0	0	0	688,332	0	688,332
Tennessee Zone L	222,461	264,122	264,122	238,562	264,122	0	0	0	0	0	0	0	1,253,390	0	1,253,390
Tennessee Long-Haul Pipeline Path	355,539	406,378	406,378	367,051	406,378	0	0	0	0	0	0	0	1,941,723	0	1,941,723
Iroquois Receipts Pipeline Path	193,021	199,455	199,455	180,153	199,455	0	0	0	0	0	0	0	971,541	0	971,541
Atlantic Bridge Ramapo Pipeline Path	225,000	232,500	232,500	210,000	232,500	225,000	232,500	225,000	232,500	232,500	225,000	232,500	1,357,500	1,380,000	2,737,500
Total Pipeline	1,251,924	1,257,819	1,257,819	1,207,638	1,484,768	1,216,238	692,758	427,492	407,061	428,105	513,700	888,799	7,676,207	3,357,915	11,034,122
NH CM Pipeline (Leidy/M-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ME CM Pipeline (Leidy/M-3)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NH CM Pipeline (Transco)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ME CM Pipeline (Transco)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NH CM Pipeline (Iroq Rec)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ME CM Pipeline (Iroq Rec)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Pipeline	1,251,924	1,257,819	1,257,819	1,207,638	1,484,768	1,216,238	692,758	427,492	407,061	428,105	513,700	888,799	7,676,207	3,357,915	11,034,122
Underground Storage															
Tennessee Storage	0	81,955	81,955	73,607	17,760	0	0	0	0	0	0	0	255,276	0	255,276
Tennessee FS-MA Storage Path	0	81,955	81,955	73,607	17,760	0	0	0	0	0	0	0	255,276	0	255,276
Union Dawn Storage	384,599	867,675	1,034,348	960,599	630,109	0	0	0	0	0	0	0	3,877,329	0	3,877,329
Union Dawn Storage Path	384,599	867,675	1,034,348	960,599	630,109	0	0	0	0	0	0	0	3,877,329	0	3,877,329
Net Storage	384,599	949,630	1,116,303	1,034,206	647,868	0	0	0	0	0	0	0	4,132,606	0	4,132,606
Peaking Supplies															
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213	0	224,213
Baseload Delivered Supplies	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213	0	224,213
													0	0	0
Lewiston LNG	1,794	1,854	35,371	9,634	13,513	1,794	1,860	1,800	1,860	1,860	1,800	1,860	63,960	11,040	75,000
Peaking Contract 1	0	33,640	208,002	88,429	38,427	0	0	0	0	0	0	0	368,498	0	368,498
Peaking Contract 2	0	50,431	153,400	95,120	0	0	0	0	0	0	0	0	298,950	0	298,950
Off-System Peaking / Incremental Supply	0	84,071	361,402	183,548	38,427	0	0	0	0	0	0	0	667,448	0	667,448
Total Peaking	1,794	163,153	474,002	262,937	51,940	1,794	1,860	1,800	1,860	1,860	1,800	1,860	955,620	11,040	966,660
NH Peaking Service - (On System)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ME Peaking Service - (On-System)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Peaking	1,794	163,153	474,002	262,937	51,940	1,794	1,860	1,800	1,860	1,860	1,800	1,860	955,620	11,040	966,660
Total NUI Commodity	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433	3,368,955	16,133,388
Company Managed Sales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Commodity Costs	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433	3,368,955	16,133,388
Sales Service Commodity	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433	3,368,955	16,133,388

Off-System Sales	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Sales Service	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433	3,368,955	16,133,388
Total Delivered	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433	3,368,956	16,133,388
Check	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3.533	3	3												

CONFIDENTIAL

Denotes Confidential Information

Northern Utilities, Inc. Average Delivered Commodity Cost by Supply Source (\$/Dth) November 2021 through October 2022																
Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter	Summer	Year	
Pipeline Supplies																
TGP Zone 4 300 Leg Supply	\$ 3.640			\$ 3.944	\$ 3.666	\$ 2.954	\$ 2.680	\$ 2.706	\$ 2.693	\$ 2.629	\$ 2.389	\$ 2.386	\$ 3.404	\$ 2.581	\$ 2.840	
Tennessee FS-MA Storage Path	\$ 3.640			\$ 3.944	\$ 3.666	\$ 2.954	\$ 2.680	\$ 2.706	\$ 2.693	\$ 2.629	\$ 2.389	\$ 2.386	\$ 3.404	\$ 2.581	\$ 2.840	
Dawn Supply				\$ 4.431	\$ 4.247	\$ 3.339	\$ 3.207	\$ 3.220		\$ 3.222	\$ 3.212	\$ 3.215	\$ 3.558	\$ 3.212	\$ 3.400	
Union Dawn Storage Path				\$ 4.431	\$ 4.247	\$ 3.339	\$ 3.207	\$ 3.220		\$ 3.222	\$ 3.212	\$ 3.215	\$ 3.558	\$ 3.212	\$ 3.400	
Leidy Hub	\$ 3.586	\$ 3.844	\$ 3.941	\$ 3.893	\$ 3.614	\$ 2.836	\$ 2.533	\$ 2.551	\$ 2.524	\$ 2.461	\$ 2.241	\$ 2.234	\$ 3.619	\$ 2.424	\$ 3.016	
Texas Eastern Zone M-3	\$ 3.875	\$ 5.084	\$ 7.284	\$ 7.018	\$ 4.257	\$ 2.853	\$ 2.625	\$ 2.663	\$ 2.767	\$ 2.749	\$ 2.458	\$ 2.461	\$ 5.071	\$ 2.621	\$ 3.854	
Transco Zone 6, non-NY	\$ 3.846	\$ 4.947	\$ 6.913	\$ 6.630	\$ 4.181	\$ 2.878	\$ 2.581	\$ 2.592	\$ 2.747	\$ 2.683	\$ 2.365	\$ 2.476	\$ 4.888	\$ 2.575	\$ 3.722	
Algonquin Receipts Pipeline Path	\$ 3.647	\$ 4.105	\$ 4.645	\$ 4.542	\$ 3.748	\$ 2.846	\$ 2.545	\$ 2.561	\$ 2.576	\$ 2.514	\$ 2.271	\$ 2.291	\$ 3.920	\$ 2.460	\$ 3.184	
Tennessee Niagara Pipeline Path	\$ 3.928	\$ 4.072	\$ 4.145	\$ 4.159	\$ 3.978	\$ 3.081	\$ 2.951	\$ 2.964	\$ 2.984	\$ 2.966	\$ 2.956	\$ 2.959	\$ 3.894	\$ 2.962	\$ 3.441	
PXP Dawn Pipeline Path	\$ 4.217	\$ 4.364	\$ 4.438	\$ 4.452	\$ 4.268	\$ 3.357							\$ 4.340		\$ 4.340	
Tennessee Zone 0	\$ 4.508	\$ 4.738	\$ 4.938	\$ 5.006	\$ 4.380								\$ 4.711		\$ 4.711	
Tennessee Zone L	\$ 4.555	\$ 4.689	\$ 4.761	\$ 4.691	\$ 4.389								\$ 4.618		\$ 4.618	
Tennessee Long-Haul Pipeline Path	\$ 4.538	\$ 4.707	\$ 4.823	\$ 4.802	\$ 4.386								\$ 4.651		\$ 4.651	
Iroquois Receipts Pipeline Path	\$ 4.390	\$ 5.078	\$ 6.039	\$ 5.936	\$ 4.393								\$ 5.157		\$ 5.157	
Atlantic Bridge Ramapo Pipeline Path	\$ 3.922	\$ 5.293	\$ 7.612	\$ 7.332	\$ 4.422	\$ 2.901	\$ 2.664	\$ 2.704	\$ 2.812	\$ 2.793	\$ 2.491	\$ 2.494	\$ 5.233	\$ 2.661	\$ 3.936	
Total Pipeline	\$ 4.212	\$ 4.735	\$ 5.392	\$ 5.266	\$ 4.285	\$ 3.203	\$ 2.900	\$ 2.759	\$ 2.789	\$ 2.768	\$ 2.666	\$ 2.889	\$ 4.511	\$ 2.813	\$ 3.994	
NH CM Pipeline (Leidy/M-3)	\$ 3.588	\$ 3.856	\$ 3.973	\$ 3.924	\$ 3.620	\$ 2.836	\$ 2.534	\$ 2.552	\$ 2.526	\$ 2.464	\$ 2.243	\$ 2.236	\$ 3.633	\$ 2.426	\$ 3.024	
ME CM Pipeline (Leidy/M-3)	\$ 3.588	\$ 3.856	\$ 3.973	\$ 3.924	\$ 3.620	\$ 2.836	\$ 2.534	\$ 2.552	\$ 2.526	\$ 2.464	\$ 2.243	\$ 2.236				
NH CM Pipeline (Transco)	\$ 3.846	\$ 4.947	\$ 6.913	\$ 6.630	\$ 4.181	\$ 2.878	\$ 2.581	\$ 2.592	\$ 2.747	\$ 2.683	\$ 2.365	\$ 2.476				
ME CM Pipeline (Transco)	\$ 3.846	\$ 4.947	\$ 6.913	\$ 6.630	\$ 4.181	\$ 2.878	\$ 2.581	\$ 2.592	\$ 2.747	\$ 2.683	\$ 2.365	\$ 2.476				
NH CM Pipeline (Iroq Rec)	\$ 4.390	\$ 5.078	\$ 6.039	\$ 5.936	\$ 4.393											
ME CM Pipeline (Iroq Rec)	\$ 4.390	\$ 5.078	\$ 6.039	\$ 5.936	\$ 4.393											
Net Pipeline	\$ 4.212	\$ 4.735	\$ 5.392	\$ 5.266	\$ 4.285	\$ 3.203	\$ 2.900	\$ 2.759	\$ 2.789	\$ 2.768	\$ 2.666	\$ 2.889	\$ 4.511	\$ 2.813	\$ 3.994	
Underground Storage																
Tennessee Storage		\$ 2.812	\$ 2.812	\$ 2.812	\$ 2.812								\$ 2.812		\$ 2.812	
Tennessee FS-MA Storage Path		\$ 2.812	\$ 2.812	\$ 2.812	\$ 2.812								\$ 2.812		\$ 2.812	
Union Dawn Storage	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126								\$ 3.126		\$ 3.126	
Union Dawn Storage Path	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126	\$ 3.126								\$ 3.126		\$ 3.126	
Net Storage	\$ 3.126	\$ 3.099	\$ 3.103	\$ 3.104	\$ 3.118								\$ 3.107		\$ 3.107	
Peaking Supplies																
PNGTS Delivered (Dec - Feb)	\$ 14.257	\$ 14.324	\$ 14.238										\$ 14.274		\$ 14.274	
Baseload Delivered Supplies	\$ 14.257	\$ 14.324	\$ 14.238										\$ 14.274		\$ 14.274	
Lewiston LNG	\$ 5.409	\$ 5.514	\$ 6.046	\$ 6.127	\$ 5.923	\$ 5.392	\$ 5.339	\$ 5.801	\$ 5.801	\$ 5.801	\$ 7.044	\$ 7.297	\$ 5.981	\$ 6.178	\$ 6.010	
Peaking Contract 1	\$ 4.316	\$ 4.384	\$ 4.297	\$ 4.020									\$ 4.319		\$ 4.319	
Peaking Contract 2	\$ 19.821	\$ 19.821	\$ 19.821										\$ 19.821		\$ 19.821	
Off-System Peaking / Incremental	\$ 13.617	\$ 10.936	\$ 12.342	\$ 4.020									\$ 11.262		\$ 11.262	
Total Peaking	\$ 5.409	\$ 13.828	\$ 11.123	\$ 12.617	\$ 4.515	\$ 5.392	\$ 5.339	\$ 5.801	\$ 5.801	\$ 5.801	\$ 7.044	\$ 7.297	\$ 11.615	\$ 6.178	\$ 11.553	
NH Peaking Service - (On System)	\$ 5.409	\$ 5.514	\$ 6.046	\$ 6.127	\$ 5.923	\$ 5.392	\$ 5.339	\$ 5.801	\$ 5.801	\$ 5.801	\$ 7.044	\$ 7.297	\$ 5.981	\$ 6.178	\$ 6.010	
ME Peaking Service - (On-System)	\$ 5.409	\$ 5.514	\$ 6.046	\$ 6.127	\$ 5.923	\$ 5.392	\$ 5.339	\$ 5.801	\$ 5.801	\$ 5.801	\$ 7.044	\$ 7.297	\$ 5.981	\$ 6.178	\$ 6.010	
Net Peaking	\$ 5.409	\$ 13.828	\$ 11.123	\$ 12.617	\$ 4.515	\$ 5.392	\$ 5.339	\$ 5.801	\$ 5.801	\$ 5.801	\$ 7.044	\$ 7.297	\$ 11.615	\$ 6.178	\$ 11.553	
Total NUI Commodity Company Managed Sales	\$ 3.959	\$ 4.706	\$ 5.449	\$ 5.145	\$ 3.945	\$ 3.206	\$ 2.906	\$ 2.772	\$ 2.802	\$ 2.782	\$ 2.681	\$ 2.898	\$ 4.588	\$ 2.824	\$ 4.220	
Net Commodity Costs	\$ 3.959	\$ 4.706	\$ 5.449	\$ 5.145	\$ 3.945	\$ 3.206	\$ 2.906	\$ 2.772	\$ 2.802	\$ 2.782	\$ 2.681	\$ 2.898	\$ 4.588	\$ 2.824	\$ 4.220	
Sales Service Commodity	\$ 3.959	\$ 4.706	\$ 5.449	\$ 5.145	\$ 3.945	\$ 3.206	\$ 2.906	\$ 2.772	\$ 2.802	\$ 2.782	\$ 2.681	\$ 2.898	\$ 4.588	\$ 2.824	\$ 4.220	

Off-System Sales																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										</

		2021-2022 Winter	2021-2022 Winter
GSGT Capacity Path	Transport	Nov-21	Dec-21
	BSG EXCH	360,000	372,000
	GSGT FLOW	3,660,000	3,782,000
	LEWISTON	750,000	775,000
	LNG LEWS TRK	150,000	155,000
0.35% Tennessee Long-Haul Pipeline Path	P1 TGP Z0-Z6	137,666	142,255
0.35% Tennessee Long-Haul Pipeline Path	P1 TGP Z1-Z6	255,602	264,122
	P1 TGP Z4-Z6	-	-
	P1_5083	394,650	407,805
	P11 AB AGT	227,970	235,569
Atlantic Bridge Ramapo Pipeline Path	P11 AB MNUS	225,000	232,500
0.35% PXP Dawn Pipeline Path	P12 PXP PNGT	298,950	308,915
	P12 PXP TCPL	300,510	310,527
	P12 PXP UGL	307,500	317,750
0.35% WXP Dawn Pipeline Path	P13 WXP PNGT	-	-
	P13 WXP TCPL	-	-
	P13 WXP UGL	-	-
0.35% Tennessee Niagara Pipeline Path	P2 NIAGARA1	42,032	43,433
0.35% Tennessee Niagara Pipeline Path	P2 NIAGARA2	27,772	28,698
Iroquois Receipts Pipeline Path	P3 AGT	125,155	129,275
	P3 IROQ	197,070	203,639
0.35% Iroquois Receipts Pipeline Path	P3 TGP1	25,231	26,072
Iroquois Receipts Pipeline Path	P3 TGP2	41,460	42,842
	P3 TGP3	128,010	132,277
Algonquin Receipts Pipeline Path	P5 AGT (TCO)	8,580	8,866
Algonquin Receipts Pipeline Path	P5 AGT (TMT)	28,950	29,915
	P5 TETCO	28,950	29,915
0.35% Tennessee FS-MA Storage Path	P6 TGP FT WD	79,311	81,955
0.35% Union Dawn Storage Path	P7 PNGTS WS	1,195,890	1,235,753
	P7 TCPL PARK	1,200,090	1,240,093
	P7 UNION	1,221,600	1,262,320
	P7 UNION	1,221,600	1,262,320
Lewiston LNG LNG LEWS		1,794	1,854

	2021-2022 Winter	2022 Summer
Tennessee Long-Haul Pipeline Path	2,372,721	2,412,048
Algonquin Receipts Pipeline Path	226,431	230,184
Iroquois Receipts Pipeline Path	1,157,270	1,176,659
Tennessee Niagara Pipeline Path	421,156	428,136
Atlantic Bridge Ramapo Pipeline Path	1,357,500	1,380,000
PXP Dawn Pipeline Path	1,803,665	1,833,560
WXP Dawn Pipeline Path	-	-
Tennessee FS-MA Storage Path	478,512	486,443
Union Dawn Storage Path	7,215,201	7,334,790
Lewiston LNG	63,960	11,040
Off-System Peaking / Incremental Supply Contract	597,900	-
Incremental Delivered Supplies	-	-

2021-2022 Winter	2021-2022 Winter	2021-2022 Winter	2021-2022 Winter	2022 Summer
Jan-22	Feb-22	Mar-22	Apr-22	May-22
372,000	336,000	372,000	360,000	117,800
3,782,000	3,416,000	3,782,000	3,660,000	2,418,000
775,000	700,000	775,000	750,000	775,000
155,000	140,000	155,000	150,000	155,000
142,255	128,489	142,255	137,666	142,255
264,122	238,562	264,122	255,602	264,122
-	-	-	-	-
407,805	368,340	407,805	394,650	407,805
235,569	212,772	235,569	227,970	235,569
232,500	210,000	232,500	225,000	232,500
308,915	279,020	308,915	298,950	308,915
310,527	280,476	310,527	300,510	310,527
317,750	287,000	317,750	307,500	317,750
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
43,433	39,230	43,433	42,032	43,433
28,698	25,921	28,698	27,772	28,698
129,275	116,764	129,275	125,155	129,327
203,639	183,932	203,639	197,070	203,639
26,072	23,549	26,072	25,231	26,072
42,842	38,696	42,842	41,460	42,842
132,277	119,476	132,277	128,010	132,277
8,866	8,008	8,866	8,580	8,866
29,915	27,020	29,915	28,950	29,915
29,915	27,020	29,915	28,950	29,915
81,955	74,024	81,955	79,311	81,955
1,235,753	1,116,164	1,235,753	1,195,890	1,235,753
1,240,093	1,120,084	1,240,093	1,200,090	1,240,093
1,262,320	1,140,160	1,262,320	1,221,600	1,262,320
1,262,320	1,140,160	1,262,320	1,221,600	1,262,320
35,371	9,634	13,513	1,794	1,860
2022-2023 Winter	0	0	2023 Summer	2023-2024 Winter
2,372,721	-	-	-	-
226,431	-	-	-	-
1,157,270	-	-	-	-
421,156	-	-	-	-
1,357,500	-	-	-	-
1,803,665	-	-	-	-
-	-	-	-	-
478,512	-	-	-	-
7,215,201	-	-	-	-
125,000	-	125,000	-	125,000
597,900	-	597,900	-	448,425
-	-	-	-	-

2022 Summer	2022 Summer	2022 Summer	2022 Summer	2022 Summer
Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
114,000	117,800	117,800	114,000	117,800
2,340,000	2,418,000	2,418,000	2,340,000	2,418,000
750,000	775,000	775,000	750,000	775,000
150,000	155,000	155,000	150,000	155,000
137,666	142,255	142,255	137,666	142,255
255,602	264,122	264,122	255,602	264,122
-	-	-	-	-
394,650	407,805	407,805	394,650	407,805
227,970	235,569	235,569	227,970	235,569
225,000	232,500	232,500	225,000	232,500
298,950	308,915	308,915	298,950	308,915
300,510	310,527	310,527	300,510	310,527
307,500	317,750	317,750	307,500	317,750
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
42,032	43,433	43,433	42,032	43,433
27,772	28,698	28,698	27,772	28,698
125,155	129,327	129,327	125,155	129,327
197,070	203,639	203,639	197,070	203,639
25,231	26,072	26,072	25,231	26,072
41,460	42,842	42,842	41,460	42,842
128,010	132,277	132,277	128,010	132,277
8,580	8,866	8,866	8,580	8,866
28,950	29,915	29,915	28,950	29,915
28,950	29,915	29,915	28,950	29,915
79,311	81,955	81,955	79,311	81,955
1,195,890	1,235,753	1,235,753	1,195,890	1,235,753
1,200,090	1,240,093	1,240,093	1,200,090	1,240,093
1,221,600	1,262,320	1,262,320	1,221,600	1,262,320
1,221,600	1,262,320	1,262,320	1,221,600	1,262,320
1,800	1,860	1,860	1,800	1,860
2024 Summer	2024-2025 Winter	2025 Summer	2025-2026 Winter	2019-2020 Winter
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	125,000	-	125,000	-
-	-	-	-	-
-	-	-	-	-

2022-2023 Winter	2022-2023 Winter	2022-2023 Winter	2022-2023 Winter	2022-2023 Winter
Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
360,000	372,000	372,000	336,000	372,000
3,660,000	3,782,000	3,782,000	3,416,000	3,782,000
750,000	775,000	775,000	700,000	775,000
150,000	155,000	155,000	140,000	155,000
137,666	142,255	142,255	128,489	142,255
255,602	264,122	264,122	238,562	264,122
-	-	-	-	-
394,650	407,805	407,805	368,340	407,805
227,970	235,569	235,569	212,772	235,569
225,000	232,500	232,500	210,000	232,500
298,950	308,915	308,915	279,020	308,915
300,510	310,527	310,527	280,476	310,527
307,500	317,750	317,750	287,000	317,750
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
42,032	43,433	43,433	39,230	43,433
27,772	28,698	28,698	25,921	28,698
125,155	129,275	129,275	116,764	129,275
197,070	203,639	203,639	183,932	203,639
25,231	26,072	26,072	23,549	26,072
41,460	42,842	42,842	38,696	42,842
128,010	132,277	132,277	119,476	132,277
8,580	8,866	8,866	8,008	8,866
28,950	29,915	29,915	27,020	29,915
28,950	29,915	29,915	27,020	29,915
79,311	81,955	81,955	74,024	81,955
1,195,890	1,235,753	1,235,753	1,116,164	1,235,753
1,200,090	1,240,093	1,240,093	1,120,084	1,240,093
1,221,600	1,262,320	1,262,320	1,140,160	1,262,320
1,221,600	1,262,320	1,262,320	1,140,160	1,262,320
1,794	8,294	36,766	18,058	8,294

2020 Summer

2022-2023 Winter	2023 Summer	2023 Summer	2023 Summer	2023 Summer
Apr-23	May-23	Jun-23	Jul-23	Aug-23
360,000	-	-	-	-
3,660,000	-	-	-	-
750,000	-	-	-	-
150,000	-	-	-	-
137,666	-	-	-	-
255,602	-	-	-	-
-	-	-	-	-
394,650	-	-	-	-
227,970	-	-	-	-
225,000	-	-	-	-
298,950	-	-	-	-
300,510	-	-	-	-
307,500	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
42,032	-	-	-	-
27,772	-	-	-	-
125,155	-	-	-	-
197,070	-	-	-	-
25,231	-	-	-	-
41,460	-	-	-	-
128,010	-	-	-	-
8,580	-	-	-	-
28,950	-	-	-	-
28,950	-	-	-	-
79,311	-	-	-	-
1,195,890	-	-	-	-
1,200,090	-	-	-	-
1,221,600	-	-	-	-
1,221,600	-	-	-	-
1,794	-	-	-	-

[illegible]

[illegible]

[illegible]

2024-2025 Winter 2024-2025 Winter 2024-2025 Winter 2024-2025 Winter 2024-2025 Winter

Dec-24

Jan-25

Feb-25

Mar-25

Apr-25

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

[illegible]

2025 Summer 2025-2026 Winter 2025-2026 Winter 2025-2026 Winter 2025-2026 Winter

Feb-26

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

[illegible]

[illegible]

2026-2027 Winter 2026-2027 Winter 2026-2027 Winter 2026-2027 Winter

Jan-27

Feb-27

Mar-27

Apr-27

[illegible]

2021-2022 Winter	2022 Summer	2022-2023 Winter		
2,172,000	699,200	2,172,000	-	-
22,082,000	14,352,000	22,082,000	-	-
4,525,000	4,600,000	4,525,000	-	-
905,000	920,000	905,000	-	-
830,588	844,354	830,588	-	-
1,542,134	1,567,694	1,542,134	-	-
-	-	-	-	-
2,381,055	2,420,520	2,381,055	-	-
1,375,419	1,398,216	1,375,419	-	-
1,357,500	1,380,000	1,357,500	-	-
1,803,665	1,833,560	1,803,665	-	-
1,813,077	1,843,128	1,813,077	-	-
1,855,250	1,886,000	1,855,250	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
253,595	257,799	253,595	-	-
167,560	170,338	167,560	-	-
754,899	767,618	754,899	-	-
1,188,989	1,208,696	1,188,989	-	-
152,229	154,752	152,229	-	-
250,142	254,288	250,142	-	-
772,327	785,128	772,327	-	-
51,766	52,624	51,766	-	-
174,665	177,560	174,665	-	-
174,665	177,560	174,665	-	-
478,512	486,443	478,512	-	-
7,215,201	7,334,790	7,215,201	-	-
7,240,543	7,360,552	7,240,543	-	-
7,370,320	7,492,480	7,370,320	-	-
7,370,320	7,492,480	7,370,320	-	-
63,960	11,040	75,000	-	-

2023 Summer	2023-2024 Winter	2024 Summer	2024-2025 Winter	2025 Summer
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50
51	52	53	54	55
56	57	58	59	60
61	62	63	64	65
66	67	68	69	70
71	72	73	74	75
76	77	78	79	80
81	82	83	84	85
86	87	88	89	90
91	92	93	94	95
96	97	98	99	100

2025-2026 Winter	2019-2020 Winter	2020 Summer

Table 5. Estimated Delivered City-Gate Commodity Costs and Volumes November 2021 through October 2022			
Supply Source	Delivered City- Gate Costs	Delivered City- Gate Volumes	Delivered Cost per Dth
Base Pipeline Resources	\$ 34,629,004	7,676,207	\$ 4.511
Storage Resources	\$ 12,840,168	4,132,606	\$ 3.107
Peaking Resources	\$ 11,099,844	955,620	\$ 11.615
Total Commodity Costs	\$ 58,569,016	12,764,433	\$ 4.588
Prior Year Net Sales Service Commodity Costs	\$ 36,692,012	9,518,411	\$ 3.855
	60%	34%	19%

	Current Forecast	Prior Year Forecast	
NYMEX	\$ 3.15	\$ 2.45	28%
Nov	\$ 2.90	\$ 2.32	
Dec	\$ 3.27	\$ 2.49	
Jan	\$ 3.38	\$ 2.59	
Feb	\$ 3.33	\$ 2.56	
Mar	\$ 3.19	\$ 2.47	
Apr	\$ 2.82	\$ 2.28	

Northern Utilities, Inc.
Design Year Sendout Volumes (Dth)
Planning Load
November 2021 through October 2022

Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Winter
Pipeline Supplies													
Tennessee Long-Haul Pipeline Path	355,539	406,378	406,378	367,051	406,378	0	0	0	0	0	0	0	1,941,723
Algonquin Receipts Pipeline Path	37,530	38,781	38,781	35,028	38,781	37,530	38,781	37,530	38,781	38,781	37,530	38,781	226,431
Iroquois Receipts Pipeline Path	193,021	199,455	199,455	180,153	199,455	0	0	0	0	0	0	0	971,541
Tennessee Niagara Pipeline Path	69,805	72,132	72,132	65,151	72,132	69,805	69,384	60,774	53,825	72,132	69,805	72,132	421,156
Atlantic Bridge Ramapo Pipeline Path	225,000	232,500	232,500	210,000	232,500	225,000	232,500	225,000	232,500	232,500	225,000	232,500	1,357,500
PXP Dawn Pipeline Path	291,718	308,574	308,574	278,712	308,574	11,515	0	0	0	0	0	0	1,507,666
WXP Dawn Pipeline Path	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Pipeline	1,172,613	1,257,819	1,257,819	1,136,095	1,257,819	343,850	340,665	323,304	325,106	343,413	332,335	343,413	6,426,016
Underground Storage													
Tennessee Storage	0	81,955	81,955	73,607	17,760	0	0	0	0	0	0	0	255,276
TGP Zone 4 300 Leg Supply	79,311	0	0	417	64,196	79,311	81,955	79,311	81,955	81,955	79,311	81,955	223,236
Tennessee FS-MA Storage Path	79,311	81,955	81,955	74,024	81,955	79,311	81,955	79,311	81,955	81,955	79,311	81,955	478,512
Union Dawn Storage	384,599	867,675	1,034,348	960,599	630,109	0	0	0	0	0	0	0	3,877,329
Dawn Supply	0	0	0	71,125	162,753	793,077	270,139	24,877	0	2,737	102,054	463,431	1,026,955
Union Dawn Storage Path	384,599	867,675	1,034,348	1,031,724	792,862	793,077	270,139	24,877	0	2,737	102,054	463,431	4,904,284
Subtotal Storage	463,910	949,630	1,116,303	1,105,748	874,817	872,388	352,094	104,188	81,955	84,692	181,365	545,386	5,382,797
Peaking Supplies													
Lewiston LNG	1,794	1,854	35,371	9,634	13,513	1,794	1,860	1,800	1,860	1,860	1,800	1,860	63,960
PNGTS Delivered (Dec - Feb)	0	77,229	77,229	69,755	0	0	0	0	0	0	0	0	224,213
Peaking Contract 1	0	33,640	208,002	88,429	38,427	0	0	0	0	0	0	0	368,498
Peaking Contract 2	0	50,431	153,400	95,120	0	0	0	0	0	0	0	0	298,950
Incremental Delivered Supplies	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Peaking	1,794	163,153	474,002	262,937	51,940	1,794	1,860	1,800	1,860	1,860	1,800	1,860	955,620
Total Delivered (Dth)	1,638,317	2,370,603	2,848,124	2,504,780	2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659	12,764,433

Northern Utilities, Inc. Design Year Capacity Utilization Planning Load November 2021 through October 2022									
Description	Winter Projected Volume (Dth)	Winter Maximum Volume (Dth)	Winter Capacity Utilization	Summer Projected Volume (Dth)	Summer Maximum Volume (Dth)	Summer Capacity Utilization	Annual Projected Volume (Dth)	Annual Maximum Volume (Dth)	Annual Capacity Utilization
Pipeline Supplies									
Tennessee Long-Haul Pipeline Path	1,941,723	2,372,721	82%	0	2,412,048	0%	1,941,723	4,784,770	41%
Algonquin Receipts Pipeline Path	226,431	226,431	100%	230,184	230,184	100%	456,615	456,615	100%
Iroquois Receipts Pipeline Path	971,541	1,157,270	84%	0	1,176,659	0%	971,541	2,333,929	42%
Tennessee Niagara Pipeline Path	421,156	421,156	100%	398,051	428,136	93%	819,207	849,292	96%
Atlantic Bridge Ramapo Pipeline Path	1,357,500	1,357,500	100%	1,380,000	1,380,000	100%	2,737,500	2,737,500	100%
PXP Dawn Pipeline Path	1,507,666	1,803,665	84%	0	1,833,560	0%	1,507,666	3,637,225	41%
Subtotal Pipeline	6,426,016	7,338,743	88%	2,008,235	7,460,587	27%	8,434,251	14,799,330	57%
Underground Storage									
Tennessee Storage	255,276			0			255,276		
TGP Zone 4 300 Leg Supply	223,236			486,443			709,679		
Tennessee FS-MA Storage Path	478,512	478,512	100%	486,443	486,443	100%	964,956	964,956	100%
Union Dawn Storage	3,877,329			0			3,877,329		
Dawn Supply	1,026,955			863,237			1,890,192		
Union Dawn Storage Path	4,904,284	7,215,201	68%	863,237	7,334,790	12%	5,767,521	14,549,991	40%
Subtotal Storage	5,382,797	7,693,713	70%	1,349,681	7,821,233	17%	6,732,477	15,514,946	43%
Peaking Supplies									
Lewiston LNG	63,960	63,960	100%	11,040	11,040	100%	75,000	75,000	100%
PNGTS Delivered (Dec - Feb)	224,213	224,213	100%	0	0		224,213	224,213	
Peaking Contract 1	368,498	597,900	62%	0	0		368,498	597,900	
Peaking Contract 2	298,950	298,950	100%	0	0		298,950	298,950	
Subtotal Peaking	955,620	1,185,023	81%	11,040	11,040	100%	966,660	1,196,063	81%
Portfolio Utilization	12,764,433	16,217,479	79%	3,368,955	15,292,860	22%	16,133,388	31,510,339	51%
Incremental Delivered Supplies	0	N/A		0	N/A		0	N/A	
Total Delivered	12,764,433	N/A		3,368,955	N/A		16,133,388	N/A	

REDACTED

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Estimated Delivered City-Gate Commodity Costs and Volumes November 2021 through April 2022				
Denotes Confidential Information				
Rank	Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
1	Tennessee Storage	\$717,840	255,276	\$2.812
2	Union Dawn Storage	\$12,122,328	3,877,329	\$3.126
3	TGP Zone 4 300 Leg Supply	\$759,931	223,236	\$3.404
4	Dawn Supply	\$3,654,344	1,026,955	\$3.558
5	Leidy Hub	\$626,020	172,994	\$3.619
6	Tennessee Niagara Pipeline Path	\$1,639,931	421,156	\$3.894
7	Peaking Contract 1	\$1,591,481	368,498	\$4.319
8	PXP Dawn Pipeline Path	\$6,542,999	1,507,666	\$4.340
9	Tennessee Zone L	\$5,787,836	1,253,390	\$4.618
10	Tennessee Zone 0	\$3,242,686	688,332	\$4.711
11	Transco Zone 6, non-NY	\$253,012	51,766	\$4.888
12	Texas Eastern Zone M-3	\$8,475	1,671	\$5.071
13	Iroquois Receipts Pipeline Path	\$5,010,250	971,541	\$5.157
14	Atlantic Bridge Ramapo Pipeline Path	\$7,103,521	1,357,500	\$5.233
15	Lewiston LNG	\$382,523	63,960	\$5.981
16	PNGTS Delivered (Dec - Feb)	\$3,200,481	224,213	\$14.274
17	Peaking Contract 2	\$5,925,359	298,950	\$19.821
	Total Delivered Commodity Cost	\$58,569,016	12,764,433	\$4.588

REDACTED

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4

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Rank

Estimated Delivered City-Gate Commodity Costs and Volumes May 2022 through October 2022			
Denotes Confidential Information			
Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
1 TGP Zone 4 300 Leg Supply	\$1,255,453	486,443	\$2.581
2 Atlantic Bridge Ramapo Pipeline Path	\$3,671,546	1,380,000	\$2.661
3 Tennessee Niagara Pipeline Path	\$1,179,182	398,051	\$2.962
4 Dawn Supply	\$2,772,685	863,237	\$3.212
5 Lewiston LNG	\$68,203	11,040	\$6.178
Total Delivered Commodity Cost	\$8,947,069	3,138,771	\$2.851

Rank	Supply Source	Delivered City-G	Delivered City-C	Delivered Cost per Dth
3	TGP Zone 4 300 Leg Supply	\$ 759,931	223,236 \$	3.404
4	Dawn Supply	\$ 3,654,344	1,026,955 \$	3.558
5	Leidy Hub	\$ 626,020	172,994 \$	3.619
12	Texas Eastern Zone M-3	\$ 8,475	1,671 \$	5.071
11	Transco Zone 6, non-NY	\$ 253,012	51,766 \$	4.888
6	Tennessee Niagara Pipeline Path	\$ 1,639,931	421,156 \$	3.894
8	PXP Dawn Pipeline Path	\$ 6,542,999	1,507,666 \$	4.340
10	Tennessee Zone 0	\$ 3,242,686	688,332 \$	4.711
9	Tennessee Zone L	\$ 5,787,836	1,253,390 \$	4.618
13	Iroquois Receipts Pipeline Path	\$ 5,010,250	971,541 \$	5.157
14	Atlantic Bridge Ramapo Pipeline Path	\$ 7,103,521	1,357,500 \$	5.233
1	Tennessee Storage	\$ 717,840	255,276 \$	2.812
2	Union Dawn Storage	\$ 12,122,328	3,877,329 \$	3.126
15	Lewiston LNG	\$ 382,523	63,960 \$	5.981
7	Peaking Contract 1	\$ 1,591,481	368,498 \$	4.319
16	PNGTS Delivered (Dec - Feb)	\$ 3,200,481	224,213 \$	14.274
17	Peaking Contract 2	\$ 5,925,359	298,950 \$	19.821
		\$ 58,569,016	12,764,433 \$	4.588
	Total NUI Commodity	\$ 58,569,016	12,764,433 \$	4.588
	Check	\$ -	-	

Rank	Supply Source	Delivered City-G	Delivered City-C	Delivered Cost per Dth
1	TGP Zone 4 300 Leg Supply	\$ 1,255,453	486,443	\$ 2.581
4	Dawn Supply	\$ 2,772,685	863,237	\$ 3.212
3	Tennessee Niagara Pipeline Path	\$ 1,179,182	398,051	\$ 2.962
2	Atlantic Bridge Ramapo Pipeline Path	\$ 3,671,546	1,380,000	\$ 2.661
5	Lewiston LNG	\$ 68,203	11,040	\$ 6.178
		\$ 8,947,069	3,138,771	\$ 2.851
	Total NUI Commodity	\$ 9,513,363	3,368,955	\$ 2.824
	Check	\$ 566,294	230,184	

	Nov-21	Dec-21	Jan-22	Feb-22
Pipeline	1,251,924	1,257,819	1,257,819	1,207,638
Storage	384,599	949,630	1,116,303	1,034,206
Peaking	1,794	163,153	474,002	262,937
Total	1,638,317	2,370,603	2,848,124	2,504,780
Off-System Peaking	0	84,071	361,402	183,548
On-System Peaking Supply (LNG)	1,794	1,854	35,371	9,634
Delivered Baseload Supplies	0	77,229	77,229	69,755
Incremental Delivered Supplies	0	0	0	0
Total Peaking	1,794	163,153	474,002	262,937
Check	0	0	0	0
NH Sales Load	473,924	746,005	884,060	759,575
NH CA Transport Load	211,315	261,312	308,701	274,388
NH Planning Loads	685,239	1,007,317	1,192,761	1,033,962
ME Sales Load	769,970	1,118,218	1,373,487	1,222,295
ME CA Transport Loads (100%)	183,108	245,068	281,875	248,523
ME Planning Loads	953,078	1,363,286	1,655,363	1,470,818
Total Northern	1,638,317	2,370,603	2,848,124	2,504,780
Check S/B 0	0	0	0	0

Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
1,484,768	1,216,238	692,758	427,492	407,061	428,105	513,700	888,799
647,868	0	0	0	0	0	0	0
51,940	1,794	1,860	1,800	1,860	1,860	1,800	1,860
2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659
38,427	0	0	0	0	0	0	0
13,513	1,794	1,860	1,800	1,860	1,860	1,800	1,860
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
51,940	1,794	1,860	1,800	1,860	1,860	1,800	1,860
0	0	0	0	0	0	0	0
635,070	312,572	164,969	91,875	82,497	87,972	108,619	227,211
250,505	162,592	101,738	85,196	85,929	86,996	100,814	149,989
885,575	475,164	266,707	177,072	168,426	174,968	209,433	377,201
1,075,734	602,565	335,601	186,167	184,179	197,150	232,899	397,265
223,267	140,304	92,311	66,054	56,316	57,847	73,169	116,193
1,299,001	742,868	427,912	252,221	240,495	254,997	306,067	513,458
2,184,576	1,218,032	694,618	429,292	408,921	429,965	515,500	890,659
0	0	0	0	0	0	0	0

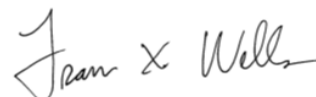
Northern Utilities Inc.
Forecast of Upcoming Winter Period Design Day Report
2021 / 2022 Winter Period
(Therms)

Demand	
NH Firm Sales	501,240
NH Non-Capacity Exempt Transportation	154,160
NH Capacity Exempt Transportation	109,730
NH Interruptible Sales	0
NH Interruptible Transportation	0
NH Design Day Demand	765,130
ME Firm Sales	693,200
ME Non-Capacity Exempt Transportation	142,180
ME Capacity Exempt Transportation	121,070
ME Interruptible Sales	0
ME Interruptible Transportation	0
ME Design Day Demand	956,450
Total Firm Sales	1,194,440
Total Non-Capacity Exempt Transportation	296,340
Total Capacity Exempt Transportation	230,800
Total Interruptible Sales	0
Total Interruptible Transportation	0
Total Design Day Demand	1,721,580
Supplies	
Capacity Exempt Transportation	230,800
Additional Supplies Required for Non-Capacity Exempt Transporta	113,360
Pipeline	405,860
Storage	425,070
On-System LNG	65,000
Off-System Peaking Contracts & Delivered Baseload	523,163
Additional Granite Capacity	9,350
Total	1,772,603

Effective Degree Day	
New Hampshire	80.2
Maine	78.6
Probability	1 in 30

Report Prepared By
Title
Signature

Francis X. Wells
Manager, Energy Planning



Northern Utilities Inc.
New Hampshire 7 Day Cold Snap Analysis
Winter 2019-2020

Coldest 7 Consecutive Days

Based on historic Portsmouth weather data

<u>Date</u>	<u>EDD</u>
February 11, 1979	68
February 12, 1979	60
February 13, 1979	73
February 14, 1979	73
February 15, 1979	64
February 16, 1979	69
February 17, 1979	72
Total	479

Maximum Projected Design Week Demand (Dth)

Daily Baseload	3,793
Weekly Baseload	26,554
Heating Increment*	715
Effective Degree Days	479
Total Heat Load	342,423
<u>Projected Cold Snap Demand</u>	<u>368,977</u>

New Hampshire Allocation **40.99%**

Based on the latest demand cost allocator in the Winter COG filing.

Maximum Supply Capability (Dth)

Amount to be Supplied by Natural Gas Pipelines	
Tennessee Zone 0 and Zone L Pools	13,109
Tennessee Niagara	2,327
Iroquois Receipts	6,434
Leidy Hub Supply (Texas Eastern, Algonquin)	965
Transco Zone 6, non-NY Supply (Algonquin)	286
PXP Dawn Hub	9,965
Atlantic Bridge Ramapo	7,500
Tennessee Firm Storage	2,644
Union Dawn Storage	39,863
Peaking Contract 1	39,860
Peaking Contract 2	9,965
PNGTS Dec - Feb	2,491
Total Daily Pipeline	135,409
Pipeline for 7 days	947,863
<u>New Hampshire Allocation</u>	<u>388,529</u>

Available LNG Storage

Facility	Gallons	Dth
Lewiston LNG	145,134	12,140
Total	145,134	12,140

New Hampshire Allocation - 7 Days 4,976

LNG Delivery Contract

Northern Utilities plans to secure a contract for LNG Delivery for up to three loads of LNG per day.

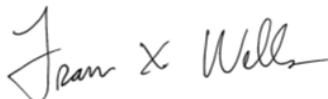
The storage credit for LNG is calculated as follows:

Number of Days	7
Number of Loads	3
Delivery Reliability	70%
Assumed Number of LNG Deliveries	15
Dth Per Load	900
Total Storage Credit	13,230
<u>NH Storage Credit - 7 Days</u>	<u>5,423</u>

Summary	
Maximum projected design week demand	368,977
Amount to be furnished by natural gas pipeline	388,529
Remaining Balance	-19,552
Storage available	4,976
Credit from LNG delivery supply contract	5,423
Total available storage and LNG deliveries	10,399
Net Surplus/(Deficiency)	29,951

Report Prepared By
Title
Signature

Francis X. Wells
Manager, Energy Planning



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

Month	Actual or Forecast	Beginning Balance (Over)/Under	Revenue	Prior Period ERC Costs To be recovered	Ending Balance (Over)/Under
November-'20	Actual	\$21,166	\$32,902	\$418,530	\$406,794
December	Actual	\$406,794	\$51,043		\$355,751
January- '21	Actual	\$355,751	\$61,701		\$294,050
February	Actual	\$294,050	\$67,167		\$226,883
March	Actual	\$226,883	\$64,367		\$162,516
April	Actual	\$162,516	\$37,834		\$124,683
May	Actual	\$124,683	\$28,409		\$96,273
June	Actual	\$96,273	\$18,225		\$78,048
July	Actual	\$78,048	\$18,264		\$59,784
August	Est.	\$59,784	\$16,645		\$43,139
September	Est.	\$43,139	\$17,213		\$25,926
October	Est.	\$25,926	\$22,480		\$3,446

CALCULATION OF ENVIRONMENTAL RESPONSE COST RATE

November 1, 2021 through October 31, 2022

Total ERC Costs for the Period	\$432,594 (See 2021 ERC Invoice Filing, Schedule 1)
Less Current (Over)/Under Collection (Estimated)	<u>\$3,446 (See page 2 of 2)</u>
Total ERC Cost to be Recovered	<u><u>\$436,040</u></u>
Forcasted Firm Sales & Firm Transportation Volumes (Attachment NUI-FXW-2, Page 2 of 4, "Total Division" subtract "Special Contracts").	<u>78,231,768</u>
ERC Recovery Rate	<u><u>\$0.0056</u></u>

**NORTHERN UTILITIES, INC.- NEW HAMPSHIRE DIVISION
REMEDATION ADJUSTMENT CLAUSE COMPLIANCE FILING
2020-2021 ENVIRONMENTAL RESPONSE COSTS
SITE SPECIFIC EXPENSES**

Line	Description	Total	11/11 - 10/12	11/12 - 10/13	11/13 - 10/14	11/14-10/15	11/15-10/16	11/16-10/17	11/17-10/18	11/18-10/19	11/19-10/20	11/20-10/21	11/21-10/22	11/22-10/23	11/23-10/24	11/24-10/25	11/25-10/26	11/26-10/27	11/27-10/28
ENVIRONMENTAL RESPONSE COST (ERC)																			
1	July 10 - June 11 Expenses Amortization (1/7)	\$ 121,209	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316	\$ 17,316										
2	July 11 - June 12 Expenses Amortization (1/7)	\$ 159,020		\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717	\$ 22,717									
3	July 12 - June 13 Expenses Amortization (1/7)	\$ 175,406			\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058	\$ 25,058								
4	July 13 - June 14 Expenses Amortization (1/7)	\$ 40,881				\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840	\$ 5,840							
5	July 14 - June 15 Expenses Amortization (1/7)	\$ 112,198					\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028	\$ 16,028						
6	July 15 - June 16 Expenses Amortization (1/7)	\$ 2,179,885						\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412	\$ 311,412					
7	July 16 - June 17 Expenses Amortization (1/7)	\$ 54,154							\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736	\$ 7,736				
8	July 17 - June 18 Expenses Amortization (1/7)	\$ 283,143								\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449	\$ 40,449			
9	July 18 - June 19 Expenses Amortization (1/7)	\$ 203,357									\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051	\$ 29,051		
10	July 19 - June 20 Expenses Amortization (1/7)	\$ 77,165										\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024	\$ 11,024	
11	July 20 - June 21 Expenses Amortization (1/7)	\$ 118,256											\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894	\$ 16,894
12	Subtotal (Line 1 through Line 11)	\$ 3,524,674	\$ 17,316	\$ 40,033	\$ 65,091	\$ 70,931	\$ 86,959	\$ 398,371	\$ 406,108	\$ 429,241	\$ 435,575	\$ 421,540	\$ 432,594	\$ 416,566	\$ 105,153	\$ 97,417	\$ 56,968	\$ 27,917	\$ 16,894
13	Add: Excess amortization from prior years (from schedule 5, Line 9)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
14	Less: Excess amortization to be deferred (from schedule 5, Line 8)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
15	Total Environmental Response cost to be recovered (ERC)	\$ 3,524,674	\$ 17,316	\$ 40,033	\$ 65,091	\$ 70,931	\$ 86,959	\$ 398,371	\$ 406,108	\$ 429,241	\$ 435,575	\$ 421,540	\$ 432,594	\$ 416,566	\$ 105,153	\$ 97,417	\$ 56,968	\$ 27,917	\$ 16,894
16	July 2010 - June 2011 Unamortized beginning balance	\$ 121,209	\$ 103,893	\$ 86,578	\$ 69,262	\$ 51,947	\$ 34,631	\$ 17,316											
17	July 2011 - June 2012 Unamortized beginning balance		\$ 159,020	\$ 136,303	\$ 113,586	\$ 90,869	\$ 68,151	\$ 45,434	\$ 22,717										
18	July 2012 - June 2013 Unamortized beginning balance			\$ 175,406	\$ 150,348	\$ 125,290	\$ 100,232	\$ 75,174	\$ 50,116	\$ 25,058									
19	July 2013 - June 2014 Unamortized beginning balance				\$ 40,881	\$ 35,041	\$ 29,201	\$ 23,361	\$ 17,521	\$ 11,680	\$ 5,840								
20	July 2014 - June 2015 Unamortized beginning balance					\$ 112,198	\$ 96,170	\$ 80,141	\$ 64,113	\$ 48,085	\$ 32,057	\$ 16,028							
21	July 2015 - June 2016 Unamortized beginning balance						\$ 2,179,885	\$ 1,868,473	\$ 1,557,061	\$ 1,245,649	\$ 934,236	\$ 622,824	\$ 311,412						
22	July 2016 - June 2017 Unamortized beginning balance							\$ 54,154	\$ 46,418	\$ 38,681	\$ 30,945	\$ 23,209	\$ 15,473	\$ 7,736					
23	July 2017 - June 2018 Unamortized beginning balance								\$ 283,143	\$ 242,694	\$ 202,245	\$ 161,796	\$ 121,347	\$ 80,898	\$ 40,449				
24	July 2018 - June 2019 Unamortized beginning balance									\$ 203,357	\$ 174,306	\$ 145,255	\$ 116,204	\$ 87,153	\$ 58,102	\$ 29,051			
25	July 2019 - June 2020 Unamortized beginning balance										\$ 77,165	\$ 66,141	\$ 55,118	\$ 44,094	\$ 33,071	\$ 22,047	\$ 11,024		
26	July 2020 - June 2021 Unamortized beginning balance											\$ 118,256	\$ 101,362	\$ 84,468	\$ 67,575	\$ 50,681	\$ 33,787	\$ 16,894	
27	Total Unamortized beginning balance	\$ 121,209	\$ 262,913	\$ 398,287	\$ 374,077	\$ 415,344	\$ 2,508,270	\$ 2,164,053	\$ 2,041,089	\$ 1,815,204	\$ 1,456,794	\$ 1,153,509	\$ 720,915	\$ 304,350	\$ 199,196	\$ 101,779	\$ 44,811	\$ 16,894	
28	INSURANCE/3RD PARTY EXPENSES (IE) Expenses (from schedule 2)																		
29	INSURANCE/3RD PARTY RECOVERIES (IR)																		
30	UNDER/OVER Recovery from previous year																		
31	Total of Lines 27 through 30	\$ 121,209	\$ 262,913	\$ 398,287	\$ 374,077	\$ 415,344	\$ 2,508,270	\$ 2,164,053	\$ 2,041,089	\$ 1,815,204	\$ 1,456,794	\$ 1,153,509	\$ 720,915	\$ 304,350	\$ 199,196	\$ 101,779	\$ 44,811	\$ 16,894	

Northern Utilities, Inc. -- New Hampshire Division

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

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

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

EEC Charge Factor Calculation**EEC Charge Factors for Residential Customers**

Effective
November 1, 2021

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

Energy Efficiency Charge Factor for Residential Customers	\$0.0449

EEC Charge Factors for Commercial and Industrial Customers (C&I)

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

Energy Efficiency Charge Factor for C&I Customers	\$0.0238

Northern Utilities, Inc.
NHPUC Docket No. DG 21-xxx
Attachment NUI-SED-1 EEC
Page 3 of 4

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

Nov 21 thru Oct 22 Totals

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

20,447,634

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

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

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

Northern Utilities, Inc.
NHPUC Docket No. DG 21-xxx
Attachment NUI-SED-1 EEC
Page 4 of 4

Northern Utilities, Inc. New Hampshire Division Calculation of the EEC Charge, a Component of the Local Distribution Adjustment Charge To Be Effective November 1, 2021 through October 31, 2022 General Service Customers															
		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
August-20	Actual	(\$243,312)	\$0.0247	\$51,545	\$26,609	\$4,002	\$7,806	\$1,234	(\$255,206)	(\$249,259)	3.25%	(\$686)	(\$255,892)	2,086,783	31
September-20	Actual	(\$255,892)	\$0.0247	\$62,445	\$64,003	\$4,002	\$106,978	\$1,223	(\$142,130)	(\$199,011)	3.25%	(\$530)	(\$142,660)	2,528,069	30
October-20	Actual	(\$142,660)	\$0.0247	\$72,461	\$61,124	\$4,002	\$7,121	\$1,189	(\$141,685)	(\$142,173)	3.25%	(\$391)	(\$142,077)	2,912,954	31
November-20	Actual	(\$142,077)	\$0.0337	\$131,454	\$177,804	\$4,002	\$70,290	\$1,087	(\$20,347)	(\$81,212)	3.25%	(\$216)	(\$20,564)	4,227,455	30
December-20	Actual	(\$20,564)	\$0.0337	\$203,275	\$296,630	\$4,002	\$6,754	\$1,023	\$84,571	\$32,004	3.25%	\$88	\$84,659	6,031,844	31
January-21	Actual	\$84,659	\$0.0337	\$237,815	\$20,764	\$6,555	\$33,793	\$1,735	(\$90,309)	(\$2,825)	3.25%	(\$8)	(\$90,317)	7,055,251	31
February-21	Actual	(\$90,317)	\$0.0337	\$255,524	\$39,131	\$1,967	\$12,113	\$514	(\$292,116)	(\$191,217)	3.25%	(\$484)(1)	(\$292,601)	7,582,246	28
March-21	Actual	(\$292,601)	\$0.0337	\$245,940	\$74,412	\$4,261	\$41,967	\$1,118	(\$416,783)	(\$354,692)	3.25%	(\$979)	(\$417,762)	7,297,927	31
April-21	Actual	(\$417,762)	\$0.0337	\$153,469	\$27,439	\$4,261	\$7,174	\$1,187	(\$531,169)	(\$474,465)	3.25%	(\$1,267)	(\$532,436)	4,553,970	30
May-21	Actual	(\$532,436)	\$0.0337	\$120,178	\$20,822	\$4,261	\$14,834	\$1,238	(\$611,459)	(\$571,947)	3.25%	(\$1,579)	(\$613,037)	3,566,084	31
June-21	Actual	(\$613,037)	\$0.0337	\$83,292	\$43,459	(\$6,936)(1)	\$7,711	\$2,096 (1)	(\$649,999)	(\$631,518)	3.25%	(\$2,101)(1)	(\$652,100)	2,471,584	30
July-21	Actual	(\$652,100)	\$0.0337	\$88,164	\$39,983	\$4,261	\$21,763	\$1,414	(\$672,843)	(\$662,472)	3.25%	(\$1,829)	(\$674,672)	2,616,202	31
August-21	Forecast	(\$674,672)	\$0.0337	\$80,069	\$156,828	\$6,841	\$28,910	\$1,985	(\$560,177)	(\$617,424)	3.25%	(\$1,704)	(\$561,881)	2,375,936	31
September-21	Forecast	(\$561,881)	\$0.0337	\$82,350	\$171,085	\$6,841	\$57,506	\$1,974	(\$406,825)	(\$484,353)	3.25%	(\$1,294)	(\$408,118)	2,443,631	30
October-21	Forecast	(\$408,118)	\$0.0337	\$104,378	\$185,342	\$6,841	\$39,865	\$1,916	(\$278,532)	(\$343,325)	3.25%	(\$948)	(\$279,480)	3,097,272	31
November-21	Forecast	(\$279,480)	\$0.0238	\$114,126	\$171,085	\$6,841	\$28,726	\$1,726	(\$185,227)	(\$232,353)	3.25%	(\$621)	(\$185,848)	4,795,193	30
December-21	Forecast	(\$185,848)	\$0.0238	\$152,513	\$213,857	\$6,841	\$26,938	\$1,618	(\$89,107)	(\$137,477)	3.25%	(\$379)	(\$89,486)	6,408,112	31
January-22	Forecast	(\$89,486)	\$0.0238	\$196,751	\$46,568	\$5,336	\$8,617	\$1,316	(\$224,400)	(\$156,943)	3.25%	(\$433)	(\$224,833)	8,266,852	31
February-22	Forecast	(\$224,833)	\$0.0238	\$199,861	\$46,568	\$5,336	\$14,103	\$1,293	(\$357,394)	(\$291,114)	3.25%	(\$726)	(\$358,120)	8,397,502	28
March-22	Forecast	(\$358,120)	\$0.0238	\$165,932	\$69,852	\$5,336	\$17,508	\$1,337	(\$430,018)	(\$394,069)	3.25%	(\$1,088)	(\$431,106)	6,971,920	31
April-22	Forecast	(\$431,106)	\$0.0238	\$129,225	\$81,495	\$5,336	\$20,566	\$1,347	(\$451,587)	(\$441,346)	3.25%	(\$1,179)	(\$452,766)	5,429,623	30
May-22	Forecast	(\$452,766)	\$0.0238	\$92,978	\$46,568	\$5,336	\$21,838	\$1,430	(\$470,572)	(\$461,669)	3.25%	(\$1,274)	(\$471,847)	3,906,651	31
June-22	Forecast	(\$471,847)	\$0.0238	\$65,592	\$58,210	\$5,336	\$40,354	\$1,541	(\$431,997)	(\$451,922)	3.25%	(\$1,207)	(\$433,204)	2,755,986	30
July-22	Forecast	(\$433,204)	\$0.0238	\$59,061	\$81,495	\$5,336	\$46,087	\$1,625	(\$357,723)	(\$395,463)	3.25%	(\$1,092)	(\$358,814)	2,481,573	31
August-22	Forecast	(\$358,814)	\$0.0238	\$60,003	\$128,063	\$5,336	\$25,243	\$1,653	(\$258,522)	(\$308,668)	3.25%	(\$852)	(\$259,374)	2,521,135	31
September-22	Forecast	(\$259,374)	\$0.0238	\$61,541	\$139,705	\$5,336	\$50,198	\$1,643	(\$124,034)	(\$191,704)	3.25%	(\$512)	(\$124,546)	2,585,748	30
October-22	Forecast	(\$124,546)	\$0.0238	\$77,679	\$151,347	\$5,336	\$34,788	\$1,594	(\$9,159)	(\$66,853)	3.25%	(\$185)	(\$9,344)	3,263,837	31

Nov 21 thru Oct 22 Totals	\$1,375,262	\$1,234,814	\$67,041	\$334,966	\$18,124

57,784,134

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

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

(1) Reflects interst adjustments asoiated with PI true-up.

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

	Customer Charge	First Block	Last Block	Cost of Gas	Total
1 Peak Period					
2 R-10 Base Rates	\$22.20	\$0.6920	\$0.6920	\$0.9392	
3 R-10 Rate Discounted 45%	\$12.21	\$0.3806	\$0.3806	\$0.5166	
4 Program Subsidy	\$9.99	\$0.3114	\$0.3114	\$0.4226	
5 Average Winter Therms		271	293	564	
6					
7 Peak Period Subsidy	\$59.94	\$84.30	\$91.33	\$238.37	\$473.94
8					
9					
10 Number of Estimated 2021/2022 Participants (1)					694
11					
12 Annual Subsidy times Number of Participants (Ln 7 * Ln 10)					\$328,913
13 Prior Year Ending Balance 10/31/2021 - GAPRA Page 2					\$26,008
14 Estimated Annual Administrative Costs					\$0
15 Estimated Non-Distribution Regulatory Assessment (Based on NHPUC invoice dated August 19, 2020)					\$116,230
16 Total Program Costs					\$471,152
17					
18 Estimated weather normalized firm therms billed for					
19 the twelve months ended 10/31/22 sales and transportation					78,231,768
20 (Attachment NUI-FXW-2, Page 2 of 4, "Total Division"					
21 minus "Special Contracts").					
22 Total Gas Assistance Program and Regulatory Assessment Charge					\$0.0060

(1) Based on actual prior winter period participation.

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

			Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Estimate	Estimate	Estimate	
1	FOR THE MONTH OF:	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
2	DAYS IN MONTH	30	31	31	28	31	30	31	30	31	31	30	31	365
3														Average
4	GAPRA Participant Count	638	651	660	676	761	780	745	607	673	662	650	649	679
5														Total
6	Beginning Balance	(\$46,110)	(\$40,399)	(\$30,867)	(\$20,518)	(\$4,136)	\$26,505	\$46,388	\$49,257	\$43,903	\$37,320	\$35,097	\$32,459	(\$46,110)
7														
8	Add: Actual Costs	\$21,680	\$39,553	\$48,032	\$57,968	\$70,145	\$40,179	\$16,330	\$756	\$0	\$0	\$0	\$0	\$294,644
9														
10	Add: Regulatory Assessments	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$6,893	\$5,292	\$9,686	\$9,686	\$9,686	\$89,494
11														
12	Less: Collected Revenue	\$22,745	\$36,817	\$44,508	\$48,446	\$46,428	\$27,287	\$20,483	\$13,128	\$11,985	\$12,006	\$12,416	\$16,215	(\$312,465)
13														
14	Add: Administrative and Start Up Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15														
16	Ending Balance Pre-Interest	(\$40,282)	(\$30,770)	(\$20,449)	(\$4,103)	\$26,474	\$46,289	\$49,127	\$43,777	\$37,210	\$34,999	\$32,367	\$25,929	
17														
18	Month's Average Balance	(\$43,196)	(\$35,585)	(\$25,658)	(\$12,311)	\$11,169	\$36,397	\$47,757	\$46,517	\$40,557	\$36,160	\$33,732	\$29,194	
19														
20	Interest Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
21														
22	Interest Applied	(\$117)	(\$96)	(\$69)	(\$33)	\$30	\$99	\$129	\$126	\$110	\$98	\$91	\$79	
23														
24	Ending Balance	(\$40,399)	(\$30,867)	(\$20,518)	(\$4,136)	\$26,505	\$46,388	\$49,257	\$43,903	\$37,320	\$35,097	\$32,459	\$26,008	

() Over Collection

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

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

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

(2) Total Invoice amount minus Distribution amount.

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

Northern Utilities, Inc.
Lost Revenue Reconciliation
2021

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

Northern Utilities, Inc.
Lost Revenue Reconciliation
2022

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

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

Northern Utilities Inc.
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Line	Description	10/31/2020	Recast Nov-20	Recast Dec-20	Recast Jan-21	Recast Feb-21	Recast Mar-21	Recast Apr-21	Recast May-21	Recast Jun-21	Recast Jul-21	Recast Aug-21	Recast Sep-21	Recast Oct-21	Period Annual Savings
	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O
1	Residential Annualized Savings 2017	70,756													
2	Residential Annualized Savings 2018	115,768													
3	Residential Annualized Savings 2019	162,615													
4	Residential Annualized Savings 2020 (Page 4, L. 1)	118,543	7,203	19,430											
5	Residential Annualized Savings 2021		-	-	1,706	3,411	4,986	6,691	8,397	10,103	11,809	13,514	15,089	16,794	92,500
6	C&I Annualized Savings 2017	265,574													
7	C&I Annualized Savings 2018	182,120													
8	C&I Annualized Savings 2019	241,161													
9	C&I Annualized Savings 2020 (Page 4, L. 19)	62,360	34019	146033											
10	C&I Annualized Savings 2021		-	-	3,535	7,070	10,332	13,867	17,402	20,937	24,472	28,006	31,269	34,804	191,694
			Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	LBR
11	Monthly Residential Savings (2017 - 2019)														-
12	Cumulative Residential Savings	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	29,095	349,139
13	Average Residential Distribution Rate (Page 5)		0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6108	0.6108	0.6108	0.6108	0.6108	-	
14	Lost Residential Revenue		\$ 20,119	\$ 20,119	\$ 20,119	\$ 20,119	\$ 20,119	\$ 20,119	\$ 17,770	\$ 17,770	\$ 17,770	\$ 17,770	\$ 17,770	\$ -	\$ 209,567
15	Monthly Residential Savings (2020)		600	1,619	-	-	-	-	-	-	-	-	-	-	2,219
16	Cumulative Residential Savings	9,879	10,479	12,098	12,098	12,098	12,098	12,098	12,098	12,098	12,098	12,098	12,098	6,667	138,127
17	Average Residential Distribution Rate (Page 5)		0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108	
18	Lost Residential Revenue		\$ 7,246	\$ 8,366	\$ 8,366	\$ 8,366	\$ 8,366	\$ 8,366	\$ 7,389	\$ 7,389	\$ 7,389	\$ 7,389	\$ 7,389	\$ 4,072	\$ 90,093
19	Monthly Residential Savings (2021)		-	-	142.14	284.28	415.48	557.62	699.76	841.90	984.04	1,126.18	1,257.39	1,399.53	7,708
20	Cumulative Residential Savings	-	-	-	142	426	842	1,400	2,099	2,941	3,925	5,051	6,309	7,708	30,844
21	Average Residential Distribution Rate (Page 5)		0.6915	0.6915	0.6915	0.6915	0.6915	0.6915	0.6108	0.6108	0.6108	0.6108	0.6108	0.6108	
22	Lost Residential Revenue		\$ -	\$ -	\$ 98	\$ 295	\$ 582	\$ 968	\$ 1,282	\$ 1,796	\$ 2,397	\$ 3,085	\$ 3,853	\$ 4,708	\$ 19,066
23	Total Residential Lost Revenue		\$ 27,365	\$ 28,485	\$ 28,583	\$ 28,780	\$ 29,067	\$ 29,453	\$ 26,442	\$ 26,956	\$ 27,557	\$ 28,245	\$ 29,013	\$ 8,780	\$ 318,725
24	Monthly C&I Savings (2017-2019)														-
25	Cumulative C&I Savings	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	57,405	688,855
26	Average Residential Distribution Rate (Page 5)		0.1976	0.1976	0.2000	0.2000	0.2000	0.2000	0.1204	0.1204	0.1204	0.1204	0.1204	-	
27	Lost C&I Revenue		\$ 11,343	\$ 11,343	\$ 11,481	\$ 11,481	\$ 11,481	\$ 11,481	\$ 6,912	\$ 6,912	\$ 6,912	\$ 6,912	\$ 6,912	\$ -	\$ 103,169
28	Monthly C&I Savings (2020)		2,835	12,169	-	-	-	-	-	-	-	-	-	-	15,004
29	Cumulative C&I Savings	5,197	8,032	20,201	20,201	20,201	20,201	20,201	20,201	20,201	20,201	20,201	20,201	15,530	225,571
30	Average Residential Distribution Rate (Page 5)		0.1976	0.1976	0.2000	0.2000	0.2000	0.2000	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	
31	Lost C&I Revenue		\$ 1,587	\$ 3,992	\$ 4,040	\$ 4,040	\$ 4,040	\$ 4,040	\$ 2,432	\$ 2,432	\$ 2,432	\$ 2,432	\$ 2,432	\$ 1,870	\$ 35,771
32	Monthly C&I Savings (2021)		-	-	295	589	861	1,156	1,450	1,745	2,039	2,334	2,606	2,900	15,975
33	Cumulative C&I Savings	-	-	-	295	884	1,745	2,900	4,351	6,095	8,135	10,468	13,074	15,975	63,921
34	Average Residential Distribution Rate (Page 5)		0.1976	0.1976	0.2000	0.2000	0.2000	0.2000	0.1204	0.1204	0.1204	0.1204	0.1204	0.1204	
35	Lost C&I Revenue		\$ -	\$ -	\$ 59	\$ 177	\$ 349	\$ 580	\$ 524	\$ 734	\$ 979	\$ 1,260	\$ 1,574	\$ 1,923	\$ 8,160
36	Total C&I Lost Revenue		\$ 12,930	\$ 15,335	\$ 15,580	\$ 15,698	\$ 15,870	\$ 16,101	\$ 9,868	\$ 10,078	\$ 10,323	\$ 10,604	\$ 10,918	\$ 3,793	\$ 147,099
37	Total Lost Revenue		\$ 40,296	\$ 43,820	\$ 44,163	\$ 44,478	\$ 44,937	\$ 45,554	\$ 36,310	\$ 37,034	\$ 37,880	\$ 38,849	\$ 39,931	\$ 12,573	\$ 465,826

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

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

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

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

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

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

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

2020 C&I Installed Therm Savings
Savings Annualization

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

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

Northern Utilities, Inc.

Summary of Average Distribution Rate for Lost Revenue

Calculation of Average Distribution Rate for Lost Revenue (Detail)

Line	Summary of Average Distribution Rate for Lost Revenue													
1	Calculation of Average Distribution Rate for Lost Revenue (Detail)													
2														
3		(1)	(2)	(3)=(1)X(2)		(4)	(5)	(6) = (4) X (5)		(7)	(8)	(9) = (7) X (8)		
4		Number of	Customer	Calculated		Billing Determinants - Winter	Winter Distribution Rates			Billing Determinants - Summer	Summer Distribution Rates			
5		Customers	Charge	Customer Charge		First	Excess	First	Excess	Distribution	First	Excess	First	Excess
6														
7						Therms	Therms	Therms \$/thm	Therms \$/thm	Revenue	Therms	Therms	Therms \$/thm	Therms \$/thm
8	R-5 Residential, Heating	254,235	\$22.20	\$5,644,012		6,492,802	7,394,357	\$ 0.6920	\$ 0.6920	\$9,609,914	2,886,762	514,633	\$ 0.6099	\$ 0.6099
9	R-10 Residential Heating, Low Income	7,409	\$8.88	\$65,795		198,454	174,712	\$ 0.6920	\$ 0.6920	\$258,231	79,240	12,894	\$ 0.6099	\$ 0.6099
10	R-6 Residential, Non-Heating	13,188	\$22.20	\$292,765		53,533	93,914	\$ 0.6470	\$ 0.6470	\$95,398	50,875	33,296	\$ 0.6470	\$ 0.6470
11	Total Residential Service	274,832		\$6,002,571		6,744,789	7,662,983			\$9,963,543	3,016,876	560,823		
12														
13	G-40 Low Annual, High Winter Use	51,266	\$75.09	\$3,849,564		1,933,509	6,097,977	\$ 0.1865	\$ 0.1865	\$1,497,872	734,511	678,865	\$ 0.1865	\$ 0.1865
14	G-50 Low Annual, Low Winter Use	8,504	\$75.09	\$638,565		220,985	617,049	\$ 0.1865	\$ 0.1865	\$156,293	207,033	428,694	\$ 0.1865	\$ 0.1865
15	G-41 Medium Annual, High Winter Use	7,908	\$222.64	\$1,760,637		11,199,703	0	\$ 0.2425		\$2,715,928	2,549,242	0	\$ 0.1895	
16	G-51 Medium Annual, Low Winter Use	3,023	\$222.64	\$673,041		1,711,732	1,080,841	\$ 0.1712	\$ 0.1399	\$444,258	1,196,613	480,315	\$ 0.1337	\$ 0.1087
17	G-42 High Annual, High Winter Use	391	\$1,335.81	\$522,302		4,239,962		\$ 0.1984		\$841,208	1,583,558	0	\$ 0.1206	
18	G-52 High Annual, Low Winter Use	386	\$1,335.81	\$515,623		8,365,254		\$ 0.1720		\$1,438,824	7,818,964	0	\$ 0.0792	
19	Total General Service	71,478		\$7,959,732		27,671,145	7,795,867			\$7,094,384	14,089,922	1,587,875		
20														
21	Total Company	346,310		\$13,962,303		34,415,934	15,458,850			\$17,057,927	17,106,798	2,148,697		

Notes:

Column (1), Column (4) and Column (7): 2018 actual billing determinants.

Column (2), Column (5) and Column (8): Winter and Summer distribution rates effective May 1, 2019.

R-11 Rate Class is closed May 1, 2017. R-11 Rate Class Customers migrated to R-6 Rate Class.

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

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

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

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

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

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

Northern Utilities, Inc.
Storage Inventory and Activity Costs

Denotes Confidential Information

Tennessee Storage

Month	Beginning Inventory Volume	Injections	Withdrawals	Ending Inventory Volume	Beginning Inventory Cost	Beginning Inventory Rate	Injection Rate	Injected Value	Withdrawal Rate	Withdrawn Value	Ending Inventory Value	Interest Rate	Carrying Costs	Ending Inventory Value Excluding Carrying Costs	Withdrawn Value plus Charges
Nov-21	210,132	-	-	210,132	\$ 559,161	\$ 2.66	NA	\$ -	\$ 2.66	\$ -	\$ 559,161	1.30%	\$ 606	\$ 559,161	\$ -
Dec-21	210,132	-	67,442	142,690	\$ 559,161	\$ 2.66	NA	\$ -	\$ 2.66	\$ 179,463	\$ 379,699	1.30%	\$ 509	\$ 379,699	\$ 179,463
Jan-22	142,690	-	67,442	75,248	\$ 379,699	\$ 2.66	NA	\$ -	\$ 2.66	\$ 179,463	\$ 200,236	1.30%	\$ 314	\$ 200,236	\$ 179,463
Feb-22	75,248	-	60,580	14,668	\$ 200,236	\$ 2.66	NA	\$ -	\$ 2.66	\$ 161,204	\$ 39,032	1.30%	\$ 130	\$ 39,032	\$ 161,204
Mar-22	14,668	-	14,668	-	\$ 39,032	\$ 2.66	NA	\$ -	\$ 2.66	\$ 39,032	\$ -	1.30%	\$ 21	\$ -	\$ 39,032
Apr-22	-	-	-	-	\$ -	NA	NA	\$ -	\$ -	\$ -	\$ -	1.30%	\$ -	\$ -	\$ -
May-22	-	42,727	-	42,727	\$ -	NA	\$ 3.13	\$ 133,552	\$ -	\$ -	\$ 133,552	1.30%	\$ 72	\$ 133,552	\$ -
Jun-22	42,727	-	-	42,727	\$ 133,552	\$ 3.13	NA	\$ -	\$ 3.13	\$ -	\$ 133,552	1.30%	\$ 145	\$ 133,552	\$ -
Jul-22	42,727	40,601	-	83,328	\$ 133,552	\$ 3.13	\$ 3.14	\$ 127,441	\$ 3.13	\$ -	\$ 260,992	1.30%	\$ 214	\$ 260,992	\$ -
Aug-22	83,328	42,727	-	126,055	\$ 260,992	\$ 3.13	\$ 3.08	\$ 131,423	\$ 3.11	\$ -	\$ 392,415	1.30%	\$ 354	\$ 392,414	\$ -
Sep-22	126,055	41,349	-	167,405	\$ 392,415	\$ 3.11	\$ 2.83	\$ 117,181	\$ 3.04	\$ -	\$ 509,596	1.30%	\$ 489	\$ 509,595	\$ -
Oct-22	167,405	42,727	-	210,132	\$ 509,596	\$ 3.04	\$ 2.84	\$ 121,256	\$ 3.00	\$ -	\$ 630,852	1.30%	\$ 618	\$ 630,851	\$ -

Union Storage

Month	Beginning Inventory Volume	Injections	Withdrawals	Ending Inventory Volume	Beginning Inventory Cost	Beginning Inventory Rate	Injection Rate	Injected Value	Withdrawal Rate	Withdrawn Value	Ending Inventory Value	Interest Rate	Carrying Costs	Ending Inventory Value Excluding Carrying Costs	Withdrawn Value plus Charges
Nov-21	3,241,066	-	344,586	2,896,480	\$ 9,716,716	\$ 3.00	NA	\$ -	\$ 3.00	\$ 1,033,068	\$ 8,683,648			\$ 8,683,648	\$ 1,033,068
Dec-21	2,896,480	-	685,851	2,210,629	\$ 8,683,648	\$ 3.00	NA	\$ -	\$ 3.00	\$ 2,056,182	\$ 6,627,466			\$ 6,627,466	\$ 2,056,182
Jan-22	2,210,629	-	771,425	1,439,204	\$ 6,627,466	\$ 3.00	NA	\$ -	\$ 3.00	\$ 2,312,733	\$ 4,314,733			\$ 4,314,733	\$ 2,312,733
Feb-22	1,439,204	-	836,366	602,838	\$ 4,314,733	\$ 3.00	NA	\$ -	\$ 3.00	\$ 2,507,425	\$ 1,807,308			\$ 1,807,308	\$ 2,507,425
Mar-22	602,838	-	602,838	-	\$ 1,807,308	\$ 3.00	NA	\$ -	\$ 3.00	\$ 1,807,308	\$ -			\$ -	\$ 1,807,308
Apr-22	-	-	-	-	\$ -	#DIV/0!	NA	\$ -	#DIV/0!	\$ -	\$ -			\$ -	\$ -
May-22	-	749,027	-	749,027	\$ -	#DIV/0!	\$ 3.66	\$ 2,741,099	\$ 3.66	\$ -	\$ 2,741,099			\$ 2,741,099	\$ -
Jun-22	749,027	724,865	-	1,473,891	\$ 2,741,099	\$ 3.66	\$ 3.67	\$ 2,662,881	\$ 3.67	\$ -	\$ 5,403,980			\$ 5,403,980	\$ -
Jul-22	1,473,891	-	-	1,473,891	\$ 5,403,980	\$ 3.67	NA	\$ -	\$ 3.67	\$ -	\$ 5,403,980			\$ 5,403,980	\$ -
Aug-22	1,473,891	293,283	-	1,767,175	\$ 5,403,980	\$ 3.67	\$ 3.68	\$ 1,078,004	\$ 3.67	\$ -	\$ 6,481,984			\$ 6,481,984	\$ -
Sep-22	1,767,175	724,865	-	2,492,039	\$ 6,481,984	\$ 3.67	\$ 3.66	\$ 2,656,322	\$ 3.67	\$ -	\$ 9,138,306			\$ 9,138,306	\$ -
Oct-22	2,492,039	749,027	-	3,241,066	\$ 9,138,306	\$ 3.67	\$ -	\$ 2,752,370	\$ 3.67	\$ -	\$ 11,890,676			\$ 11,890,676	\$ -

LNG Storage

Contains Confidential information

Month	Beginning Inventory Volume	Injections	Withdrawals	Ending Inventory Volume	Beginning Inventory Cost	Beginning Inventory Rate	Injection Rate	Injected Value	Withdrawal Rate	Withdrawn Value	Ending Inventory Value	Interest Rate	Carrying Costs	Ending Inventory Value Excluding Carrying Costs	Withdrawn Value plus Charges
Nov-21	12,000	-	1,794	10,206											
Dec-21	10,206	-	1,854	8,352											
Jan-22	8,352	-	1,854	6,498											
Feb-22	6,498	-	1,674	4,824											
Mar-22	4,824	1,830	1,854	4,800											
Apr-22	4,800	8,994	1,794	12,000											
May-22	12,000	1,860	1,860	12,000											
Jun-22	12,000	1,800	1,800	12,000											
Jul-22	12,000	-	1,860	10,140											
Aug-22	10,140	-	1,860	8,280											
Sep-22	8,280	5,520	1,800	12,000											
Oct-22	12,000	1,860	1,860	12,000											

ATTACHMENT NUI-CAK-10
FORM III
Schedule 1

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
SCHEDULE 1: SUMMARY OF ANNUAL BALANCE
August 2020 - October 2021

	AMOUNT	
Annual Beginning Balance	\$ (1,320,875)	FORM III SCHEDULE 2
Less: Reported Collections	\$ (28,156,245)	FORM III SCHEDULE 3
Add: Cost of Firm Gas Allowable	\$ 29,800,471	FORM III SCHEDULE 4
Add: Interest	\$ (86,346)	FORM III SCHEDULE 2
Annual Ending Balance	\$ 237,004	

Allocation of Reconciliation Balance to 2021 / 2022 Winter Season and 2022 Summer Season

Winter Season Sales (DTHs)	3,533,933	Attachment NUI-CAK-3
Summer Season Sales(DTHs)	890,703	Attachment NUI-CAK-3

Winter Season Sales Percentage	79.87%
Summer Season Sales Percentage	20.13%

Reconciliation Allocated to Winter Season	\$ 189,294
Reconciliation Allocated to Summer Season	\$ 47,710

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
SCHEDULE 2: ADJUSTMENTS TO REPORTED SUMMER, WINTER AND ANNUAL ACCOUNTS
August 2020 - October 2021
Acct 191

	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	<u>Nov-20</u>	<u>Dec-20</u>	<u>Jan-21</u>	<u>Feb-21</u>	<u>Mar-21</u>	<u>Apr-21</u>	<u>May-21</u>	<u>Jun-21</u>	<u>Jul-21</u>	-----Estimated-----			<u>Aug-21</u>	<u>Sep-21</u>	<u>Oct-21</u>	<u>Total</u>
Initial Account Beginning Balance	\$ (1,456,073)																		
Adjustment (1)	\$ 135,198																		
Adjusted Beginning Balance	\$ (1,320,875)	\$ (485,746)	\$ 339,439	\$ 1,191,118	\$ 526,216	\$ (611,235)	\$ (2,346,307)	\$ (4,200,362)	\$ (5,426,903)	\$ (5,377,699)	\$ (5,051,942)	\$ (3,950,322)	\$ (3,091,269)	\$ (2,005,967)	\$ (892,006)				
Plus: Cost of Firm Gas (Schedule 4)	\$ 952,706	\$ 1,122,305	\$ 1,339,833	\$ 2,199,518	\$ 3,098,711	\$ 3,453,314	\$ 2,894,144	\$ 2,832,065	\$ 2,250,229	\$ 1,380,129	\$ 1,396,231	\$ 1,434,047	\$ 1,578,420	\$ 1,647,240	\$ 2,221,580	\$ 29,800,471			
Less: Reported Collections (Schedule 3)	\$ (115,133)	\$ (296,923)	\$ (490,224)	\$ (2,866,742)	\$ (4,236,047)	\$ (5,184,385)	\$ (4,739,347)	\$ (4,045,586)	\$ (2,186,413)	\$ (1,040,267)	\$ (282,437)	\$ (565,472)	\$ (486,225)	\$ (529,360)	\$ (1,091,684)	\$ (28,156,245)			
Annual Account Ending Balance	\$ (483,303)	\$ 339,637	\$ 1,189,048	\$ 523,894	\$ (611,120)	\$ (2,342,307)	\$ (4,191,509)	\$ (5,413,884)	\$ (5,363,088)	\$ (5,037,838)	\$ (3,938,148)	\$ (3,081,746)	\$ (1,999,073)	\$ (888,087)	\$ 237,890				
Month's Average Balance	\$ (902,089)	\$ (73,054)	\$ 764,244	\$ 857,506	\$ (42,452)	\$ (1,476,771)	\$ (3,268,908)	\$ (4,807,123)	\$ (5,394,995)	\$ (5,207,768)	\$ (4,495,045)	\$ (3,516,034)	\$ (2,545,171)	\$ (1,447,027)	\$ (327,058)				
Interest Rate (Prime Rate)	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%				
Interest Applied	\$ (2,443)	\$ (198)	\$ 2,070	\$ 2,322	\$ (115)	\$ (4,000)	\$ (8,853)	\$ (13,019)	\$ (14,611)	\$ (14,104)	\$ (12,174)	\$ (9,523)	\$ (6,893)	\$ (3,919)	\$ (886)	\$ (86,346)			
						\$ (5,184,385)	\$ (4,739,347)	\$ (4,045,586)	\$ (2,186,413)	\$ (1,040,267)	\$ (282,437)	\$ (565,472)							
Annual Account Ending Balance w/int	\$ (485,746)	\$ 339,439	\$ 1,191,118	\$ 526,216	\$ (611,235)	\$ (2,346,307)	\$ (4,200,362)	\$ (5,426,903)	\$ (5,377,699)	\$ (5,051,942)	\$ (3,950,322)	\$ (3,091,269)	\$ (2,005,967)	\$ (892,006)	\$ 237,004				

(1) Reflects Fuel Tax Recovery Expense of \$10,540 plus ATV charges, plus interest, not included in 2019 - 2020 reconciliation.

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
SCHEDULE 3: REVENUE BACKUP TO REPORTED COLLECTIONS
August 2020 - October 2021

	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	<u>Nov-20</u>	<u>Dec-20</u>	<u>Jan-21</u>	<u>Feb-21</u>	<u>Mar-21</u>	<u>Apr-21</u>	<u>May-21</u>	<u>Jun-21</u>	<u>Jul-21</u>	----- Estimated ⁽¹⁾ -----	<u>Aug-21</u>	<u>Sep-21</u>	<u>Oct-21</u>	<u>Total</u>
Accrued Revenue	\$ 750	\$ 58,413	\$ 91,519	\$ 1,393,390	\$ 573,281	\$ 519,878	\$ (551,300)	\$ (920,779)	\$ (316,069)	\$ (377,411)	\$ (295,234)	\$ (9,813)					
Billed Revenue	\$ 114,383	\$ 238,510	\$ 398,705	\$ 1,473,353	\$ 3,662,766	\$ 4,664,508	\$ 5,290,646	\$ 4,966,366	\$ 2,502,482	\$ 1,417,678	\$ 577,671	\$ 575,285					
Calendarized Revenue	<u>\$ 115,133</u>	<u>\$ 296,923</u>	<u>\$ 490,224</u>	<u>\$ 2,866,742</u>	<u>\$ 4,236,047</u>	<u>\$ 5,184,385</u>	<u>\$ 4,739,347</u>	<u>\$ 4,045,586</u>	<u>\$ 2,186,413</u>	<u>\$ 1,040,267</u>	<u>\$ 282,437</u>	<u>\$ 565,472</u>	<u>\$ 486,225</u>	<u>\$ 529,360</u>	<u>\$ 1,091,684</u>	<u>\$ 28,156,245</u>	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS
August 2020 - October 2021

-----Estimated⁽¹⁾-----

Commodity Costs	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
Citadel Energy	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 520,615	\$ -	\$ 529,757	\$ -	\$ -	\$ -	\$ -				\$ 1,050,372
DTE Energy	\$ -	\$ -	\$ 4,127	\$ -	\$ 50,816	\$ 54,195	\$ -	\$ -	\$ -	\$ 40,041	\$ 46,569	\$ 46,489				\$ 242,236
Emera Energy Services Corp.	\$ 138,318	\$ 146,938	\$ -	\$ 357,389	\$ 459,390	\$ 537,322	\$ 1,213,306	\$ 851,263	\$ 769,661	\$ 598,860	\$ 392,823	\$ 111,700				\$ 5,576,969
Repsol	\$ -	\$ -	\$ 70,001	\$ 35,263	\$ 4,391	\$ 56,283	\$ 138,332	\$ 223,237	\$ 208,848	\$ 42,548	\$ 46,448	\$ 44,812				\$ 870,163
Shell	\$ 4,347	\$ -	\$ 20,756	\$ -	\$ 218,166	\$ 390,904	\$ 386,594	\$ 370,884	\$ 319,651	\$ -	\$ -	\$ -				\$ 1,711,302
Southwestern	\$ 20,228	\$ 24,699	\$ 39,336	\$ 31,237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ 115,499
Xpress	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,692				\$ 37,692
Subtotal - Commodity	\$ 162,893	\$ 171,636	\$ 134,219	\$ 423,889	\$ 732,763	\$ 1,559,319	\$ 1,738,232	\$ 1,975,140	\$ 1,298,160	\$ 681,449	\$ 485,840	\$ 240,692				\$ 9,604,231
Transportation																
Granite	\$ 74	\$ 126	\$ 202	\$ 199	\$ 418	\$ 537	\$ 418	\$ 344	\$ 239	\$ 167	\$ 77	\$ 98				\$ 2,898
Emera	\$ 69	\$ 88	\$ 105	\$ 230	\$ 310	\$ 470	\$ 677	\$ 619	\$ 354	\$ 534	\$ 308	\$ 58				\$ 3,822
Emera Energy Services	\$ -	\$ -	\$ -	\$ -	\$ 833	\$ 1,342	\$ 2,177	\$ 4,269	\$ 1,473	\$ 49	\$ 29					\$ 10,171
Maritimes	\$ -	\$ -	\$ 70	\$ 2,653	\$ 31,276	\$ 11,040	\$ 5,102	\$ 1,258	\$ -			\$ 170				\$ 51,569
Tennessee	\$ 2,104	\$ 1,951	\$ 2,097	\$ 2,115	\$ 2,322	\$ 2,491	\$ 2,587	\$ 2,303	\$ 1,844	\$ 2,098	\$ 2,128	\$ 2,054				\$ 26,094
Subtotal - Commodity Transportation	\$ 2,247	\$ 2,165	\$ 2,474	\$ 5,197	\$ 35,159	\$ 15,880	\$ 10,961	\$ 8,792	\$ 3,910	\$ 2,848	\$ 2,542	\$ 2,380				\$ 94,554
Commodity Cost Estimates	\$ 169,403	\$ 262,672	\$ 449,643	\$ 767,504	\$ 1,574,848	\$ 1,748,786	\$ 1,983,661	\$ 1,274,326	\$ 683,787	\$ 488,305	\$ 240,436	\$ 293,016				\$ 9,936,386
Commodity Cost Reversals	\$ (124,887)	\$ (169,403)	\$ (262,672)	\$ (449,643)	\$ (767,504)	\$ (1,574,848)	\$ (1,748,786)	\$ (1,983,661)	\$ (1,274,326)	\$ (683,787)	\$ (488,305)	\$ (240,436)				\$ (9,768,258)
Subtotal - Estimates	\$ 44,516	\$ 93,269	\$ 186,971	\$ 317,861	\$ 807,344	\$ 173,938	\$ 234,875	\$ (709,335)	\$ (590,539)	\$ (195,483)	\$ (247,869)	\$ 52,580				\$ 20,397,684
Subtotal - Supply	\$ 209,656	\$ 267,070	\$ 323,665	\$ 746,947	\$ 1,575,265	\$ 1,749,136	\$ 1,984,069	\$ 1,274,597	\$ 711,532	\$ 488,814	\$ 240,513	\$ 295,651				\$ 9,866,914
Withdrawal - Underground Storage	\$ 2,269	\$ 3,687	\$ (5,892)	\$ 234,557	\$ 359,574	\$ 642,651	\$ 604,645	\$ 208,998	\$ 685	\$ (529)	\$ (49)	\$ (131)				\$ 2,050,464
ATV Reconciliation Charges	\$ (3,132)	\$ (2,611)	\$ (7,580)	\$ (27,268)	\$ (74,639)	\$ (94,725)	\$ (24,705)	\$ 9,067	\$ 12,743	\$ -	\$ -	\$ -				\$ (212,850)
Off System Sales	\$ -	\$ -	\$ -	\$ -	\$ (2,936)	\$ -	\$ (205,410)	\$ (1,025,807)	\$ (22,267)	\$ -	\$ -	\$ (9,889)				\$ (1,266,309)
Net OBA Adjustment	\$ 184	\$ (588)	\$ 623	\$ 1,852	\$ (392)	\$ 791	\$ (2,621)	\$ (5,475)	\$ (7,362)	\$ (102)	\$ (24)	\$ (328)				\$ (13,442)
Company Managed	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (151,764)	\$ (200,336)	\$ -	\$ (87,953)	\$ -	\$ -				\$ (440,053)
LNG Withdrawal / Boiloff	\$ 2,841	\$ 3,146	\$ 2,017	\$ 1,161	\$ 2,132	\$ 8,966	\$ 32,062	\$ 16,943	\$ 2,069	\$ 1,772	\$ 1,498	\$ 1,916				\$ 76,523
Supplier Balancing	\$ (72,711)	\$ -	\$ (19,710)	\$ -	\$ (15,065)	\$ -	\$ 76,839	\$ 202,849	\$ -	\$ 1,841	\$ 8,024	\$ 48,543				\$ 230,610
Inventory Finance Charge	\$ 59	\$ 79	\$ 99	\$ 120	\$ 128	\$ 108	\$ 62	\$ 41	\$ 35	\$ 58	\$ 73	\$ 105				\$ 967
Subtotal - Other Commodity	\$ (70,490)	\$ 3,712	\$ (30,442)	\$ 210,421	\$ 268,802	\$ 557,792	\$ 329,109	\$ (793,719)	\$ (14,098)	\$ (84,912)	\$ 9,520	\$ 40,216				\$ 425,911
Sales for Resale Estimates	\$ -	\$ -	\$ -	\$ (72,377)	\$ (82,322)	\$ (300,945)	\$ (1,130,405)	\$ (109,591)	\$ -	\$ -	\$ (9,889)	\$ -				\$ (1,705,530)
Sales for Resale Reversals	\$ -	\$ -	\$ -	\$ -	\$ 72,377	\$ 82,322	\$ 300,945	\$ 1,130,405	\$ 109,591	\$ -	\$ -	\$ 9,889				\$ 1,705,530
Subtotal - Estimates	\$ -	\$ -	\$ -	\$ (72,377)	\$ (9,945)	\$ (218,622)	\$ (829,460)	\$ 1,020,814	\$ 109,591	\$ -	\$ (9,889)	\$ 9,889				\$ -
Total Commodity Costs	\$ 139,166	\$ 270,783	\$ 293,222	\$ 884,990	\$ 1,834,122	\$ 2,088,305	\$ 1,483,717	\$ 1,501,692	\$ 807,025	\$ 403,902	\$ 240,145	\$ 345,756	\$ 434,808	\$ 446,066	\$ 918,281	\$ 12,091,979

(1) Monthly estimates provided in Table 2 of Northern's August 2021 Monthly Cost of Gas Report, submitted in DG 20-154 on August 19, 2021. Estimates updated for September 7, 2021 NYMEX prices

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
SCHEDULE 4: PURCHASED GAS COSTS
August 2020 - October 2021

Demand Costs	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	-----Estimated ⁽¹⁾ -----			Total
Pipeline Reservation																
Alberta Northeast	\$ 3,705	\$ 5,577	\$ 3,761	\$ 4,174	\$ 3,542	\$ 3,633	\$ 3,850	\$ 3,290	\$ 3,632	\$ 3,518	\$ 3,977	\$ 4,983				\$ 47,641
Algonquin	\$ 14,212	\$ 14,212	\$ 36,001	\$ 19,388	\$ 19,186	\$ 19,185	\$ 19,172	\$ 147,029	\$ 189,691	\$ 189,784	\$ 189,784	\$ 189,784				\$ 1,047,432
Emera	\$ 275,583	\$ 289,367	\$ 258,980	\$ 256,915	\$ 316,636	\$ 349,666	\$ 428,894	\$ 429,584	\$ 414,581	\$ 447,016	\$ 439,044	\$ 429,653				\$ 4,335,918
Granite State	\$ 144,287	\$ 144,287	\$ 144,287	\$ 280,644	\$ 280,644	\$ 280,644	\$ 280,644	\$ 280,644	\$ 280,644	\$ 179,428	\$ 179,428	\$ 179,428				\$ 2,655,000
Iroquois	\$ 14,390	\$ 14,390	\$ 14,390	\$ 14,390	\$ 14,060	\$ 14,060	\$ 14,060	\$ 14,060	\$ 14,060	\$ 14,060	\$ 14,060	\$ 14,060				\$ 170,041
Maritimes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,769	\$ 41,033	\$ 41,033	\$ 41,033	\$ 41,033				\$ 41,033
Portland	\$ 305,455	\$ 305,455	\$ 305,455	\$ 305,455	\$ 390,426	\$ 393,492	\$ 393,492	\$ 384,294	\$ 393,492	\$ 390,426	\$ 393,492	\$ 390,426				\$ 4,351,363
Tennessee	\$ 137,938	\$ 137,938	\$ 137,938	\$ 137,938	\$ 132,065	\$ 132,065	\$ 132,065	\$ 132,065	\$ 132,065	\$ 132,065	\$ 132,065	\$ 132,065				\$ 1,608,270
Texas Eastern	\$ 2,865	\$ 2,879	\$ 2,879	\$ 2,879	\$ 2,813	\$ 2,821	\$ 2,821	\$ 2,787	\$ 2,787	\$ 2,787	\$ 2,787	\$ 2,787				\$ 33,894
Total Pipeline Reservation	\$ 898,435	\$ 914,105	\$ 903,690	\$ 1,021,782	\$ 1,159,373	\$ 1,195,566	\$ 1,274,999	\$ 1,424,523	\$ 1,471,985	\$ 1,400,118	\$ 1,395,671	\$ 1,384,220				\$ 14,444,467
Product Demand																
Excelon	\$ -	\$ -	\$ -	\$ -	\$ 121,618	\$ 121,618	\$ 121,618	\$ 121,618	\$ 121,618	\$ -	\$ -	\$ -				\$ 608,090
Repsol	\$ 335,475	\$ 335,475	\$ 335,475	\$ 335,475	\$ 327,778	\$ 327,778	\$ 327,778	\$ 327,778	\$ 327,778	\$ 327,778	\$ 327,778	\$ 327,778				\$ 3,964,127
Xpress	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,792	\$ -				\$ -
Total Product Demand	\$ 335,475	\$ 335,475	\$ 335,475	\$ 335,475	\$ 449,396	\$ 449,396	\$ 449,396	\$ 449,396	\$ 449,396	\$ 327,778	\$ 364,570	\$ 327,778				\$ 4,609,009
Storage Pipeline Transportation and Demand Reservation																
Emera	\$ 99,021	\$ 99,021	\$ 99,021	\$ 99,021	\$ 96,749	\$ 96,749	\$ 96,749	\$ 96,749	\$ 96,749	\$ 96,749	\$ 96,749	\$ 96,749				\$ 1,170,080
Tennessee	\$ 4,362	\$ 4,362	\$ 4,362	\$ 4,362	\$ 4,169	\$ 4,169	\$ 4,169	\$ 4,169	\$ 4,169	\$ 4,169	\$ 4,169	\$ 4,169				\$ 50,799
Total Storage & Demand Reservation	\$ 103,383	\$ 103,383	\$ 103,383	\$ 103,383	\$ 100,918	\$ 100,918	\$ 100,918	\$ 100,918	\$ 100,918	\$ 100,918	\$ 100,918	\$ 100,918				\$ 1,220,880
Demand Cost Estimates	\$ 1,189,356	\$ 1,194,664	\$ 1,194,681	\$ 1,448,580	\$ 1,458,596	\$ 1,535,362	\$ 1,685,240	\$ 1,751,889	\$ 1,736,554	\$ 1,646,063	\$ 1,639,529	\$ 1,631,891				\$ 18,112,405
Demand Cost Reversals	\$ (1,183,761)	\$ (1,189,356)	\$ (1,194,664)	\$ (1,194,681)	\$ (1,448,580)	\$ (1,458,596)	\$ (1,535,362)	\$ (1,685,240)	\$ (1,751,889)	\$ (1,736,554)	\$ (1,646,063)	\$ (1,639,529)				\$ (17,664,275)
Subtotal	\$ 5,595	\$ 5,308	\$ 17	\$ 253,899	\$ 10,016	\$ 76,766	\$ 149,878	\$ 66,649	\$ (15,335)	\$ (90,492)	\$ (6,534)	\$ (7,638)				\$ 448,130
Capacity Release ⁽²⁾	\$ (523,555)	\$ (525,520)	\$ (288,536)	\$ (510,673)	\$ (630,146)	\$ (586,224)	\$ (611,023)	\$ (615,486)	\$ (815,302)	\$ (720,196)	\$ (716,693)	\$ (710,715)				\$ (7,254,068)
Company Managed	\$ (21,182)	\$ -	\$ (21,333)	\$ -	\$ (29,506)	\$ -	\$ (103,270)	\$ (105,928)	\$ -	\$ (107,651)	\$ -	\$ (24,589)				\$ -
Other A&G Allowance	\$ 18,818	\$ 18,818	\$ 18,818	\$ 78,589	\$ 78,589	\$ 78,589	\$ 78,589	\$ 78,589	\$ 78,589	\$ 18,154	\$ 18,154	\$ 18,154				\$ 582,449
Local Production and Storage Allowance	\$ -	\$ -	\$ -	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ 79,351	\$ -	\$ -	\$ -				\$ 476,106
Conversion & Re-entry Fees	\$ (42)	\$ (47)	\$ (125)	\$ (86)	\$ (15)	\$ (20)	\$ (28)	\$ (29)	\$ (14)	\$ 828	\$ (1)	\$ (1)				\$ 420
Fuel Tax Recovery	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 578	\$ -	\$ 1,958	\$ 4,845	\$ -	\$ -				\$ 7,381
Outage Replacement Costs	\$ -	\$ -	\$ -	\$ 114,821	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ -
Total Indirect Demand Costs	\$ (525,961)	\$ (506,749)	\$ (291,176)	\$ (237,999)	\$ (501,727)	\$ (428,304)	\$ (555,803)	\$ (563,503)	\$ (655,418)	\$ (804,021)	\$ (698,540)	\$ (717,151)				\$ (6,486,351)
Estimates - Cap Release & Comp Managed	\$ (529,578)	\$ (529,578)	\$ (534,357)	\$ (696,371)	\$ (649,758)	\$ (679,092)	\$ (688,053)	\$ (835,663)	\$ (744,006)	\$ (702,081)	\$ (702,081)	\$ (701,918)				\$ (7,992,537)
Reversals - Cap Release & Comp Managed	\$ 526,190	\$ 529,578	\$ 529,578	\$ 534,357	\$ 696,371	\$ 649,758	\$ 679,092	\$ 688,053	\$ 835,663	\$ 744,006	\$ 702,081	\$ 702,081				\$ 7,816,809
Subtotal	\$ (3,388)	\$ -	\$ (4,779)	\$ (162,013)	\$ 46,613	\$ (29,334)	\$ (8,961)	\$ (147,610)	\$ 91,657	\$ 41,925	\$ -	\$ 164				\$ (175,728)
Annual Demand Costs	\$ 813,539	\$ 851,523	\$ 1,046,611	\$ 1,314,528	\$ 1,264,589	\$ 1,365,008	\$ 1,410,427	\$ 1,330,373	\$ 1,443,204	\$ 976,227	\$ 1,156,086	\$ 1,088,291	\$ 1,143,612	\$ 1,143,612	\$ 1,143,612	\$ 17,491,243
Total Gas Costs																
	\$ 952,706	\$ 1,122,305	\$ 1,339,833	\$ 2,199,518	\$ 3,098,711	\$ 3,453,314	\$ 2,894,144	\$ 2,832,065	\$ 2,250,229	\$ 1,380,129	\$ 1,396,231	\$ 1,434,047	\$ 1,578,420	\$ 1,589,679	\$ 2,061,893	\$ 29,583,223

(1) Monthly estimates provided in Table 2 of Northern 's August 2021 Monthly Cost of Gas Report, submitted in DG 20-154 on August 19, 2021. Estimates updated for September 7, 2021 NYMEX prices

(2) Includes Asset Management Agreement Revenue

REDACTED

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - UNITS
August 2020 - October 2021

Indicates Confidential Data

	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Total
	-----Estimated ⁽¹⁾ -----															
Commodity Volumes:																
Citadel Energy																0
DTE Energy																0
Emera Energy Services Corp.																0
Repsol																0
Shell																0
Southwestern																0
Xpress Energy																0
Subtotal - Commodity Supply																0
Granite																-
Emera																-
Emera Energy Services																-
Maritimes																-
Tennessee																-
Subtotal - Commodity Transportation																-
Commodity Volume Estimates																0
Commodity Volume Reversals																0
Subtotal - Estimates																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																0
Sales for Resale Estimates																-
Sales for Resale Reversals																-
Subtotal - Estimates																0
Total Commodity Volumes													102,888	104,952	212,494	420,334

(1) Monthly estimates provided in Table 2 of Northern 's August 2021 Monthly Cost of Gas Report, submitted in DG 20-154 on August 19, 2021. Estimates updated for September 7, 2021 NYMEX prices

REDACTED

FORM III
Schedule 4
Page 4 of 4

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
COST OF GAS ADJUSTMENT - FORM III, Schedule 4 - IN COST PER UNIT
August 2020 - October 2021

	Indicates Confidential Data												-----Estimated ⁽¹⁾ -----					
<u>Commodity Costs per Unit:</u>	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	<u>Nov-20</u>	<u>Dec-20</u>	<u>Jan-21</u>	<u>Feb-21</u>	<u>Mar-21</u>	<u>Apr-21</u>	<u>May-21</u>	<u>Jun-21</u>	<u>Jul-21</u>	<u>Aug-21</u>	<u>Sep-21</u>	<u>Oct-21</u>	<u>Total</u>		
Citadel																#DIV/0!		
DTE Energy																#DIV/0!		
Emera Energy Services Corp.													\$	-	\$	-	#DIV/0!	
Repsol																	#DIV/0!	
Shell																	#DIV/0!	
Southwestern																	#DIV/0!	
Xpress Energy																	#DIV/0!	
Subtotal - Commodity Supply													n/a	n/a	n/a		#DIV/0!	
Granite																	\$	-
Emera																	\$	-
Maritimes																	\$	-
Tennessee																	\$	-
Subtotal - Commodity Transportation													n/a	n/a	n/a		n/a	
Commodity Cost Estimates																		#DIV/0!
Commodity Cost Reversals																		#DIV/0!
Subtotal - Estimates													n/a	n/a	n/a		n/a	
Subtotal - Supply																		
Withdrawal - Underground Storage																		#DIV/0!
ATV Reconciliation Charges																		n/a
Off System Sales																		#DIV/0!
Net OBA Adjustment																		#DIV/0!
Company Managed																		#DIV/0!
LNG Withdrawal / Boiloff																		#DIV/0!
Supplier Balancing																	\$	-
Inventory Finance Charge																	\$	-
Subtotal - Other Commodity													n/a	n/a	n/a		n/a	
Off System Sales Estimates																		#DIV/0!
Off System Sales Reversals																		#DIV/0!
Subtotal - Estimates																		
Total Commodity Costs per unit													n/a	n/a	n/a		n/a	

(1) Monthly estimates provided in Table 2 of Northern 's August 2021 Monthly Cost of Gas Report, submitted in DG 20-154 on August 19, 2021. Estimates updated for September 7, 2021 NYMEX prices

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
2020-21 ANNUAL COG RECONCILIATION
SCHEDULE 5: PURCHASED AND MADE VOLUMES
August 2020 - July 2021

<i>New Hampshire</i>	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	<u>Nov-20</u>	<u>Dec-20</u>	<u>Jan-21</u>	<u>Feb-21</u>	<u>Mar-21</u>	<u>Apr-21</u>	<u>May-21</u>	<u>Jun-21</u>	<u>Jul-21</u>	<u>Total</u>
Throughput IN													
<i>BTU Factor</i>	1.03	1.028	1.029	1.033	1.033	1.041	1.04	1.033	1.029	1.028	1.028	1.028	
<i>GST Meter Throughput (MCF)</i>	329,115	373,060	543,616	699,749	991,072	1,094,702	1,015,270	886,697	617,597	457,671	342,785	359,580	7,710,914
<i>Salem Meter (MCF)</i>	12,467	14,692	26,192	40,744	67,618	77,841	71,623	55,666	34,687	20,149	13,965	14,528	450,172
<i>GST Meter Throughput (DTH)</i>	338,988	383,506	559,381	722,841	1,023,777	1,139,585	1,055,881	915,958	635,507	470,486	352,383	369,648	7,967,941
<i>Salem Meter (DTH)</i>	12,841	15,103	26,952	42,089	69,849	81,032	74,488	57,503	35,693	20,713	14,356	14,935	465,554
<i>LNG/Propane</i>													-
<i>Total Throughput</i>	351,829	398,609	586,332	764,929	1,093,627	1,220,617	1,130,369	973,461	671,200	491,199	366,739	384,583	8,433,495
Throughput OUT													
<i>Residential Gas</i>													
Charged	31,451	40,551	56,652	129,223	233,549	305,880	342,819	325,375	164,754	108,962	51,370	37,613	1,828,199
Uncharged Current	19,467	18,890	30,360	106,076	160,391	208,113	168,985	100,904	76,526	61,569	25,108	18,971	995,360
Uncharged Prior	(19,236)	(19,467)	(18,890)	(30,360)	(106,076)	(160,391)	(208,113)	(168,985)	(100,904)	(76,526)	(61,569)	(25,108)	(995,625)
Total Residential Gas	31,682	39,974	68,122	204,939	287,864	353,602	303,691	257,294	140,376	94,005	14,909	31,476	1,827,934
Interruptible				-	-	-	-	-	-	-	-	-	-
<i>Commercial/Industrial Gas</i>													
Charged	46,120	63,063	75,428	160,876	270,849	335,203	384,200	357,677	180,780	121,546	65,434	76,744	2,137,920
Uncharged Current	28,546	29,377	40,422	117,409	176,223	221,298	192,828	120,773	87,490	68,679	31,981	38,707	1,153,733
Uncharged Prior	(26,280)	(28,546)	(29,377)	(40,422)	(117,409)	(176,223)	(221,298)	(192,828)	(120,773)	(87,490)	(68,679)	(31,981)	(1,141,306)
Total C/I Gas	48,386	63,894	86,473	237,863	329,663	380,278	355,730	285,622	147,497	102,735	28,736	83,470	2,150,347
<i>Transportation</i>													
Charged	253,143	283,307	320,339	359,833	424,328	475,023	471,219	481,163	375,026	344,405	279,262	285,167	4,352,215
Uncharged Current	100,616	88,390	115,685	170,836	200,965	230,672	193,612	146,957	142,266	132,821	88,819	93,246	1,704,885
Uncharged Prior	(84,128)	(100,616)	(88,390)	(115,685)	(170,836)	(200,965)	(230,672)	(193,612)	(146,957)	(142,266)	(132,821)	(88,819)	(1,695,767)
Total Transportation	269,631	271,081	347,634	414,984	454,457	504,730	434,159	434,508	370,335	334,960	235,260	289,594	4,361,333
Company Use	89	118	61	98	171	263	328	327	162	99	78	99	1,894
Total Throughput OUT	349,788	375,067	502,290	857,884	1,072,155	1,238,873	1,093,908	977,751	658,370	531,799	278,983	404,639	8,341,508
Total Throughput IN	351,829	398,609	586,332	764,929	1,093,627	1,220,617	1,130,369	973,461	671,200	491,199	366,739	384,583	8,433,495
Difference IN/OUT	2,041	23,542	84,043	(92,955)	21,472	(18,256)	36,461	(4,290)	12,831	(40,600)	87,756	(20,056)	91,987
%													1.09%

Attachment A

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
DEFERRED WORKING CAPITAL ALLOWANCE ON PURCHASED GAS COSTS
August 2020 - October 2021

ANNUAL BALANCE SEASON - Acct 173

	<u>BEGINNING BALANCE</u>	<u>WORKING CAP ALLOWANCE (1)</u>	<u>WORKING CAP PERCENTAGE</u>	<u>WORKING CAP COLLECTIONS</u>	<u>WORKING CAP DEFERRED</u>	<u>ENDING BALANCE</u>	<u>AVE MONTHLY BALANCE</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>ENDING BAL W/ INTEREST</u>
	A	B	C	D	E = B + D	F = A + E	G = (A + F) / 2	H	I = G * (H / 12)	K = F + I + J
August 2020	\$ (44,484)									
Adjustment	\$ 197									
August 2020	\$ (44,287)	850	0.0892%	48	898	(43,389)	(43,838)	3.25%	(119)	(43,508)
September	\$ (43,508)	1,001	0.0892%	64	1,065	(42,442)	(42,975)	3.25%	(116)	(42,559)
October	\$ (42,559)	1,195	0.0892%	120	1,315	(41,244)	(41,901)	3.25%	(113)	(41,358)
November	\$ (41,358)	1,962	0.0892%	1,469	3,431	(37,927)	(39,642)	3.25%	(107)	(38,034)
December	\$ (38,034)	2,764	0.0892%	2,330	5,095	(32,940)	(35,487)	3.25%	(96)	(33,036)
January 2021	\$ (33,036)	3,080	0.0892%	2,854	5,935	(27,101)	(30,068)	3.25%	(81)	(27,182)
February	\$ (27,182)	2,582	0.0892%	2,609	5,191	(21,992)	(24,587)	3.25%	(67)	(22,058)
March	\$ (22,058)	2,526	0.0892%	2,228	4,754	(17,304)	(19,681)	3.25%	(53)	(17,357)
April	\$ (17,357)	2,007	0.0892%	1,204	3,211	(14,146)	(15,752)	3.25%	(43)	(14,189)
May	\$ (14,189)	1,231	0.0892%	1,467	2,698	(11,491)	(12,840)	3.25%	(35)	(11,526)
June	\$ (11,526)	1,245	0.0892%	411	1,657	(9,869)	(10,697)	3.25%	(29)	(9,898)
July	\$ (9,898)	1,279	0.0892%	761	2,040	(7,858)	(8,878)	3.25%	(24)	(7,882)
Estimated August	\$ (7,882)	725	0.0892%	(500)	225	(7,656)	(7,769)	3.25%	(21)	(7,677)
Estimated September	\$ (7,677)	733	0.0892%	(500)	233	(7,445)	(7,561)	3.25%	(20)	(7,465)
Estimated October	\$ (7,465)	1,030	0.0892%	(850)	180	(7,285)	(7,375)	3.25%	(20)	(7,305)

(1) Working Capital Allowance calculated by taking monthly Total Gas Costs from Schedule 4, Page 2, and multiplying by (10.02/365)* prime interest rate.

Winter Season Sales Percentage 79.87%
Summer Season Sales Percentage 20.13%

Reconciliation Allocated to Winter Season \$ (5,834)
Reconciliation Allocated to Summer Season \$ (1,470)

Attachment B

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
BAD DEBT EXPENSE - CALCULATION OF COLLECTION ALLOWANCE
August 2020 - October 2021

ANNUAL BALANCE- Acct 173

	<u>BEGINNING BALANCE</u>	<u>ACUTAL BAD DEBT</u>	<u>BAD DEBT COLLECTIONS</u>	<u>DEFERRED BALANCE</u>	<u>ENDING BALANCE</u>	<u>AVE MO BALANCE</u>	<u>INTEREST RATE</u>	<u>INTEREST</u>	<u>END BAL W/ INTEREST</u>
	A	B	C	D = B + C	E = A + D	F = (A + E) / 2	G	H = (F * G) / 12	J = E + H + I
August 2020	(\$24,891)	6,359	(1,232)	5,127	(19,764)	(22,328)	3.25%	(60)	(19,825)
September	(\$19,825)	12,905	(1,677)	11,229	(8,596)	(14,210)	3.25%	(38)	(8,635)
October	(\$8,635)	3,830	(2,582)	1,248	(7,386)	(8,010)	3.25%	(22)	(7,408)
November	(\$7,408)	4,903	(17,172)	(12,269)	(19,677)	(13,543)	3.25%	(37)	(19,714)
December	(\$19,714)	10,407	(25,638)	(15,231)	(34,945)	(27,329)	3.25%	(74)	(35,019)
January 2021	(\$35,019)	12,015	(31,354)	(19,339)	(54,358)	(44,688)	3.25%	(121)	(54,479)
February	(\$54,479)	2,685	(28,673)	(25,988)	(80,467)	(67,473)	3.25%	(183)	(80,649)
March	(\$80,649)	5,854	(24,514)	(18,660)	(99,310)	(89,980)	3.25%	(244)	(99,554)
April	(\$99,554)	4,358	(13,290)	(8,932)	(108,486)	(104,020)	3.25%	(282)	(108,768)
May	(\$108,768)	734	(3,422)	(2,688)	(111,456)	(110,112)	3.25%	(298)	(111,754)
June	(\$111,754)	9,403	(995)	8,408	(103,346)	(107,550)	3.25%	(291)	(103,637)
July	(\$103,637)	9,523	(2,268)	7,255	(96,382)	(100,010)	3.25%	(271)	(96,653)
Estimated August	(\$96,653)	10,000	(850)	9,150	(87,503)	(92,078)	3.25%	(249)	(87,753)
Estimated September	(\$87,753)	10,000	(875)	9,125	(78,628)	(83,190)	3.25%	(225)	(78,853)
Estimated October	(\$78,853)	2,000	(500)	1,500	(77,353)	(78,103)	3.25%	(212)	(77,564)

Winter Season Sales Percentage 79.87%
Summer Season Sales Percentage 20.13%

Reconciliation Allocated to Winter Season \$ (61,950)
Reconciliation Allocated to Summer Season \$ (15,614)

Attachment C

Northern Utilities, Inc. - New Hampshire Division
Environmental Response Costs
May 2020 - October 2021

		Beginning Balance	Firm Sales and Transportation (therms)	ERC Rate Recoveries /Passback	Current ERC Recoveries/ Passbacks	Ending Balance
May 2020	(act)	\$ 130,988	4,861,662	\$ 0.0057	\$ 27,710	\$ 103,277.64
June 2020	(act)	\$ 103,278	3,038,865	\$ 0.0057	\$ 17,331	\$ 85,947.07
July 2020	(act)	\$ 85,947	2,540,626	\$ 0.0057	\$ 14,489	\$ 71,457.96
August 2020	(act)	\$ 71,458	2,401,297	\$ 0.0057	\$ 13,698	\$ 57,759.86
September 2020	(act)	\$ 57,760	2,933,578	\$ 0.0057	\$ 16,730	\$ 41,029.68
October 2020	(act)	\$ 41,030	3,479,470	\$ 0.0057	\$ 19,863	\$ 21,166.39
November 2020	(act)	\$ 439,696 ⁽¹⁾	5,519,681	\$ 0.0059 ⁽²⁾	\$ 32,902	\$ 406,794.08
December 2020	(act)	\$ 406,794	8,367,336	\$ 0.0061	\$ 51,043	\$ 355,750.77
January 2021	(act)	\$ 355,751	10,114,055	\$ 0.0061	\$ 61,701	\$ 294,050.20
February 2021	(act)	\$ 294,050	11,010,433	\$ 0.0061	\$ 67,167	\$ 226,883.46
March 2021	(act)	\$ 226,883	10,551,678	\$ 0.0061	\$ 64,367	\$ 162,516.12
April 2021	(act)	\$ 162,516	6,201,510	\$ 0.0061	\$ 37,834	\$ 124,682.50
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	(est)	\$ 59,784	2,728,710	\$ 0.0061	\$ 16,645	\$ 43,139
September 2021	(est)	\$ 43,139	2,821,820	\$ 0.0061	\$ 17,213	\$ 25,926
October 2021	(est)	\$ 25,926	3,685,223	\$ 0.0061	\$ 22,480	\$ 3,446

(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 \$0.0057 and actual Firm Sales and Transportation (therms) at \$0.0060.

Attachment D

NORTHERN UTILITIES
NEW HAMPSHIRE DIVISION
RLIARA Reconciliation
May 2020 - October 2021

		<u>Beginning Balance</u>	<u>Program Costs</u>	<u>Regulatory Assessments</u>	<u>RLIARA Recoveries</u>	<u>Ending Balance</u>	<u>Average Monthly Balance</u>	<u>Interest Rate</u>	<u>Interest</u>	<u>Ending Balance w/Interest</u>
		A	B	C	D	E = A+B+C-D	F = (A+E)/2	G	H = F*(G/12)	I = E+H
May 2020	Actual	\$ (86,723)	\$ 24,284	\$ 6,013	\$ 17,501	\$ (73,928)	\$ (80,326)	4.75%	\$ (318)	\$ (74,246)
June 2020	Actual	\$ (74,246)	\$ 18,438	\$ 6,013	\$ 10,934	\$ (60,729)	\$ (67,487)	4.75%	\$ (267)	\$ (60,996)
July 2020	Actual	\$ (60,996)	\$ 12,176	\$ 6,013	\$ 9,142	\$ (51,948)	\$ (56,472)	3.25%	\$ (153)	\$ (52,101)
August 2020	Actual	\$ (52,101)	\$ 11,381	\$ 6,013	\$ 8,638	\$ (43,345)	\$ (47,723)	3.25%	\$ (129)	\$ (43,474)
September 2020	Actual	\$ (43,474)	\$ 11,506	\$ (10,558)	\$ 10,555	\$ (53,081)	\$ (48,278)	3.25%	\$ (131)	\$ (53,212)
October 2020	Actual	\$ (53,212)	\$ 12,912	\$ 6,893	\$ 12,568	\$ (45,975)	\$ (49,594)	3.25%	\$ (134)	\$ (46,110)
November 2020	Actual	\$ (46,110)	\$ 21,680	\$ 6,893	\$ 22,745	\$ (40,282)	\$ (43,196)	3.25%	\$ (117)	\$ (40,399)
December 2020	Actual	\$ (40,399)	\$ 39,553	\$ 6,893	\$ 36,817	\$ (30,770)	\$ (35,585)	3.25%	\$ (96)	\$ (30,867)
January 2021	Actual	\$ (30,867)	\$ 48,032	\$ 6,893	\$ 44,508	\$ (20,449)	\$ (25,658)	3.25%	\$ (69)	\$ (20,518)
February 2021	Actual	\$ (20,518)	\$ 57,968	\$ 6,893	\$ 48,446	\$ (4,103)	\$ (12,311)	3.25%	\$ (33)	\$ (4,136)
March 2021	Actual	\$ (4,136)	\$ 70,145	\$ 6,893	\$ 46,428	\$ 26,474	\$ 11,169	3.25%	\$ 30	\$ 26,505
April 2021	Actual	\$ 26,505	\$ 40,179	\$ 6,893	\$ 27,287	\$ 46,289	\$ 36,397	3.25%	\$ 99	\$ 46,388
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	Est.	\$ 37,744	\$ -	\$ 5,292	\$ 12,006	\$ 31,029	\$ 34,386	3.25%	\$ 93	\$ 31,122
September 2021	Est.	\$ 31,122	\$ -	\$ 5,292	\$ 12,416	\$ 23,999	\$ 27,561	3.25%	\$ 75	\$ 24,073
October 2021	Est.	\$ 24,073	\$ -	\$ 5,292	\$ 16,215	\$ 13,150	\$ 18,612	3.25%	\$ 50	\$ 13,201

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

	<u>Aug-20</u>	<u>Sep-20</u>	<u>Oct-20</u>	<u>Nov-20</u>	<u>Dec-20</u>	<u>Jan-21</u>	<u>Feb-21</u>	<u>Mar-21</u>	<u>Apr-21</u>	<u>May-21</u>	<u>Jun-21</u>	<u>Jul-21</u>	<u>TOTAL</u>
Forecast Bill Month Sales	104,573	107,393	132,485	294,521	541,934	702,409	817,468	680,722	452,687	265,253	148,939	102,281	4,350,666
Actual Sales	77,571	103,615	132,079	290,099	504,398	641,083	727,019	683,052	345,533	230,509	116,804	114,357	3,966,118
Difference	(27,002)	(3,779)	(406)	(4,422)	(37,536)	(61,326)	13,698	2,330	(107,154)	(34,745)	(32,135)	12,075	(384,548)
Normal Bill Month Actual Sales	77,571	103,615	132,079	332,383	546,059	701,880	777,437	599,273	410,072	230,509	116,804	114,357	4,142,038
Actual Sales	77,571	103,615	132,079	290,099	504,398	641,083	727,019	683,052	345,533	230,509	116,804	114,357	3,966,118
Weather Variance	-	-	-	42,284	41,662	60,797	50,418	(83,780)	64,539	-	-	-	175,920
Total Variance Excluding Weather (excl weather effect)	(27,002)	(3,779)	(406)	37,862	4,125	(529)	64,116	(81,449)	(42,615)	(34,745)	(32,135)	12,075	(208,628)
Variance-difference due to meter count -difference in load pattern													3,044 (447,801)
Total Sales Variance													(444,757)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION
SALES VARIANCE ANALYSIS
August 2019 - July 2020

	<u>NORMAL MMBtu</u>			<u>METERS</u>		
	2020-21 Forecast	2020-21 Actual	Difference	2020-21 Forecast	2020-21 Actual	Difference
Res Heat	1,995,194	1,804,018	(191,176)	315,704	322,386	6,682
Res General	23,534	24,182	648	15,048	15,724	676
Total Res	2,018,728	1,828,199	(190,528)	330,752	338,110	7,358
G-40	960,465	862,510	(97,956)	54,544	55,858	1,314
G-50	170,442	134,879	(35,562)	8,901	9,071	170
G-41	721,741	692,124	(29,617)	5,089	4,883	(206)
G-51	239,930	229,440	(10,490)	1,897	1,747	(150)
G-42	106,561	141,129	34,568	125	126	1
G-52	193,009	77,838	(115,171)	30	27	(3)
Total C & I	2,392,148	2,137,919	(254,229)	70,586	71,712	1,126
Total Company	4,410,875	3,966,119	(444,757)	401,338	409,822	8,484

	<u>NORMAL AVERAGE USE</u>			<u>Change in Sales Due to Change In:</u>		<u>Total Chg MMBtu</u>	<u>% Difference</u>
	2020-21 Forecast	2020-21 Actual	Difference	<u>Meter Count</u>	<u>Load Pattern</u>		
Res Heat	6.32	5.60	(0.72)	42,229	(233,405)	(191,176)	-9.58%
Res General	1.56	1.54	(0.03)	1,057	(409)	648	2.75%
Total Res	7.88	7.13	(0.75)	43,286	(233,815)	(190,528)	-9.44%
G-40	17.61	15.44	(2.17)	23,138	(121,094)	(97,956)	-10.20%
G-50	19.15	14.87	(4.28)	3,255	(38,818)	(35,562)	-20.86%
G-41	141.82	141.74	(0.08)	(29,216)	(402)	(29,617)	-4.10%
G-51	126.48	131.33	4.85	(18,972)	8,481	(10,490)	-4.37%
G-42	852.48	1,120.07	267.59	852	33,716	34,568	32.44%
G-52	6,433.65	2,882.89	(3,550.76)	(19,301)	(95,870)	(115,171)	-59.67%
Total C & I	33.89	29.81	(4.08)	(40,242)	(213,986)	(254,229)	-10.63%
Total Company	10.99	9.68	(1.31)	3,044	(447,801)	(444,757)	-10.08%

Northern Utilities, Inc.
New Hampshire Division
Attachment NUI-CAK-15

Formula for Supplier Balancing Charge

Balancing Resources

Line	NU Storage Capacity Costs (Fixed)		NU Storage Space (Dth)		Reference
1	\$	122,375	TGP	259,337	Attachment NUI-FXW-4, Page 4
2	\$	<u>2,840,000</u>	Union	<u>4,000,000</u>	Attachment NUI-FXW-4, Page 4
3	\$	2,962,375	TOTAL	4,259,337	LN 1 + LN 2
4	Weighted Average Capacity Cost		\$ 0.6955	per Dth	LN 3 Cost / LN3 Space
NU Storage Commodity Costs (Variable)					
5	TGP FS-MA	Withdraw/Inject	\$	0.0174	Attachment NUI-FXW-9, PG 12, LN 10 * 2
6	Union	Withdraw/Inject	\$	0.0120	Attachment NUI-FXW-9, PG 13, LN 10 * 2
7	Weighted Average Commodity Cost		\$ 0.0123	per Dth	LN 5, LN 6 (weighted)
8	Supplier Balancing Charge		\$ 0.71	per Dth	LN 4 + LN 7