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	$ 4,046,161
3	Storage	$ 13,452,779
4	Peaking	$ 2,286,161
5	Total Gross Demand Cost	$ 19,785,101
6		
7	Capacity Assignment Demand Revenue Estimate	$ 2,772,295
8	NH Total Pipeline, Storage & Peaking Demand Cost	$ 19,785,101
9	Capacity Assignment as % of Total Gross Demand Cost	14.01%
10		
11	NH Non-Grandfathered Transportation Allocated Capacity Assignment Costs	
12		**Costs**
13	Pipeline & Product Demand	$ 566,949
14	Storage	$ 1,885,008
15	Peaking	$ 320,338
16	Total Capacity Assignment Credit	$ 2,772,295
17		
18	NH Net Annual Demand Cost (Less Capacity Assignment)	
19		**Costs**
20	Pipeline & Product Demand	$ 3,479,211
21	Storage	$ 11,567,771
22	Peaking	$ 1,965,823
23	Total Net Demand Cost (Less Capacity Assignment)	$ 17,012,806
24		
25	**DEVELOPMENT OF BASE AND REMAINING PIPELINE DEMAND COSTS**	
26		MMBtu/day
27	Pipeline MDQ	18,356
28	Less 14.01% NH Transp. Capacity Assignment	(2,572)
29	Net Pipeline MDQ	15,784
30		
31	Net Pipeline MDQ	15,784
32	Less: Firm Sales Base Use	3,028
33	Remaining Pipeline MDQ	12,756
34		
35		**Unit Cost**
36	Pipeline Unit Cost	$220.42
37		
38		**Costs**
39	Pipeline & Product Demand	$ 3,479,211
40	Less: Base Pipeline Use	$ 667,465
41	Remaining Pipeline Use	$ 2,811,747

1	**Resource**	
2	Pipeline & Product Demand	Schedule 21, LN 84 + Schedule 21, LN 87
3	Storage	Schedule 21, LN 85
4	Peaking	Schedule 21, LN 86
5	Total Gross Demand Cost	Sum (LN 2 : LN 4)
6		
7	Capacity Assignment Demand Revenue Estimate	2013-2014 Winter Period Filing, Schedule 5B, 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	NH Non-Grandfathered Transportation Allocated Capacity Assignment Costs	
12		
13	Pipeline & Product Demand	LN 2 * LN 9
14	Storage	LN 3 * LN 9
15	Peaking	LN 4 * LN 9
16	Total Capacity Assignment Credit	Sum (LN 13 : LN 15)
17		
18	NH Net Annual Demand Cost (Less Capacity Assignment)	
19		
20	Pipeline & Product Demand	LN 2 - LN 13
21	Storage	LN 3 - LN 14
22	Peaking	LN 4 - LN 15
23	Total Net Demand Cost (Less Capacity Assignment)	LN 5 - LN 16
24		
25	**DEVELOPMENT OF BASE AND REMAINING PIPELINE DEMAND C**	
26		
27	Pipeline MDQ	Company Analysis
28	Less 14.01% NH Transp. Capacity Assignment	-(LN 27) * LN 9
29	Net Pipeline MDQ	Sum (LN 27 : LN 28)
30		
31	Net Pipeline MDQ	LN 29
32	Less: Firm Sales Base Use	Schedule 10B, LN 48 / 10
33	Remaining Pipeline MDQ	LN 31 - LN 32
34		
35		
36	Pipeline Unit Cost	LN 20 / LN 31
37		
38		
39	Pipeline & Product Demand	LN 20
40	Less: Base Pipeline Use	LN 36 * LN 32
41	Remaining Pipeline Use	LN 39 - LN 40

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

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

All Months	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**
Remaining Load for All Months	3,230,488	5,158,546	6,758,729	5,587,047	4,021,984	2,015,147
Rank	5	3	1	2	4	6
% Max Month	47.80%	76.32%	100.00%	82.66%	59.51%	29.82%
PR	3.60%	5.61%	17.34%	3.17%	2.93%	2.45%
CumPR	8.00%	16.54%	37.04%	19.71%	10.93%	4.41%

Peak Months Only	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**
Remaining Load for Peak Months Only	3,230,488	5,158,546	6,758,729	5,587,047	4,021,984	2,015,147
Rank	5	3	1	2	4	6
% Max Month	47.80%	76.32%	100.00%	82.66%	59.51%	29.82%
PR	3.60%	5.61%	17.34%	3.17%	2.93%	4.97%
CumPR	8.57%	17.10%	37.60%	20.27%	11.49%	4.97%

DEMAND COST PR ALLOCATORS

	Nov	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**
Pipeline - Base	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%
Pipeline - Remaining	8.00%	16.54%	37.04%	19.71%	10.93%	4.41%
Storage & Peaking	8.00%	16.54%	37.04%	19.71%	10.93%	4.41%
Capacity Release	8.57%	17.10%	37.60%	20.27%	11.49%	4.97%
Interr. Margins & Off Sys Sales	8.57%	17.10%	37.60%	20.27%	11.49%	4.97%

DEMAND COSTS ALLOCATED TO MONTHS

	Nov	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**
Pipeline - Base	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 55,622
Pipeline - Remaining	$ 225,030	$ 464,959	$ 1,041,530	$ 554,091	$ 307,349	$ 123,910
Total Pipeline	$ 280,652	$ 520,581	$ 1,097,152	$ 609,713	$ 362,971	$ 179,532
Storage & Peaking	$ 1,083,123	$ 2,237,956	$ 5,013,129	$ 2,666,969	$ 1,479,344	$ 596,407
Less Credits to Demand Cost						
Cap Rel Margins & Asset Mgt Credit	$ 367,325	$ 733,256	$ 1,612,622	$ 869,197	$ 492,875	$ 213,100
Interruptible Margins	$ -	$ -	$ -	$ -	$ -	$ -
Re-Entry Fee Credits	$ -	$ -	$ -	$ -	$ -	$ -
PNGTS Refund - Winter Only Contract	$ 216,730	$ 447,809	$ 1,003,113	$ 533,653	$ 296,013	$ 119,339
PNGTS Refund - Year-round Contract	$ 8,984	$ 8,984	$ 8,984	$ 8,984	$ 8,984	$ 8,984
Total Direct Demand Costs	$ 770,737	$ 1,568,489	$ 3,485,563	$ 1,864,849	$ 1,044,444	$ 434,516

Indirect Demand Costs/(Credits)
Miscellaneous Overhead
Local Production & Storage
Subtotal

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

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

All Months	**May**	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Annual**	**Winter**	**Summer**
Remaining Load for All Months	582,716	105,033	0	18,192	139,110	1,022,278	28,639,269	26,771,941	1,867,328
Rank	8	10	12	11	9	7			
% Max Month	8.62%	1.55%	0.00%	0.27%	2.06%	15.13%			
PR	0.82%	0.13%	0.00%	0.02%	0.06%	0.93%	37.04%		
CumPR	1.03%	0.15%	0.00%	0.02%	0.21%	1.96%	100.00%	96.63%	3.37%

Peak Months Only	**Annual**	**Winter**	**Summer**
Remaining Load for Peak Months Only	26,771,941	26,771,941	
Rank			
% Max Month			
PR	37.60%		
CumPR	100.00%	100.00%	0.00%

DEMAND COST PR ALLOCATORS

	May	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Annual**	**Winter**	**Summer**
Pipeline - Base	8.33%	8.33%	8.33%	8.33%	8.33%	8.33%	100.00%	50.00%	50.00%
Pipeline - Remaining	1.03%	0.15%	0.00%	0.02%	0.21%	1.96%	100.00%	96.63%	3.37%
Storage & Peaking	1.03%	0.15%	0.00%	0.02%	0.21%	1.96%	100.00%	96.63%	3.37%
Capacity Release	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%
Interr. Margins & Off Sys Sales	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100.00%	0.00%

DEMAND COSTS ALLOCATED TO MONTHS

	May	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Annual**	**Winter**	**Summer**	**Winter**	**Summer**
Pipeline - Base	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 667,465	$ 333,732	$ 333,732	50.00%	50.00%
Pipeline - Remaining	$ 28,944	$ 4,301	$ -	$ 688	$ 5,876	$ 55,068	$ 2,811,747	$ 2,716,870	$ 94,877	96.63%	3.37%
Total Pipeline	$ 84,566	$ 59,923	$ 55,622	$ 56,310	$ 61,498	$ 110,690	$ 3,479,211	$ 3,050,602	$ 428,609	87.68%	12.32%
Storage & Peaking	$ 139,316	$ 20,700	$ -	$ 3,312	$ 28,282	$ 265,055	$ 13,533,594	$ 13,076,929	$ 456,665	96.63%	3.37%
Less Credits to Demand Cost											
Cap Rel Margins & Asset Mgt Credit	$ -	$ -	$ -	$ -	$ -	$ -	$4,288,375	$ 4,288,375	$ -	100.00%	0.00%
Interruptible Margins	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		
Re-Entry Fee Credits	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -		
PNGTS Refund - Winter Only Contract	$ 27,877	$ 4,142	$ -	$ 663	$ 5,659	$ 53,037	$ 2,708,035	$ 2,616,657	$ 91,377	96.63%	3.37%
PNGTS Refund - Year-round Contract	$ 8,984	$ 8,984	$ 8,984	$ 8,984	$ 8,984	$ 8,984	$ 107,803	$ 53,902	$ 53,902	50.00%	50.00%
Total Direct Demand Costs	$ 187,022	$ 67,498	$ 46,638	$ 49,975	$ 75,137	$ 313,725	$ 9,908,593	$ 9,168,597	$ 739,996	92.53%	7.47%

Indirect Demand Costs/(Credits)					
Miscellaneous Overhead	$ 512,686	$ 416,811	$ 95,875	81.30%	18.70%
Local Production & Storage	$ 420,658	$ 420,658	$ -	100.00%	0.00%
Subtotal	$ 933,344	$ 837,469	$ 95,875	89.73%	10.27%

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

LN		
42	**NH DIVISION MONTHLY PROPORTIONAL RESPONSIBILITY (PR / ALLOCATORS)**	
43	(Based on NH Firm Sales Sendout for Remaining Temperature Sensitive Load)	
44		
45	**All Months**	
46	Remaining Load for All Months	Schedule 10B, LN 80
47	Rank	Rank LN 46
48	% Max Month	LN 46 / MAX Month LN 46
49	PR	The difference between LN 48 for the month and LN 48 for next highest rank
50	CumPR	Cumulative Values, LN 49
51		
52	**Peak Months Only**	
53	Remaining Load for Peak Months Only	LN 46
54	Rank	Rank LN 53
55	% Max Month	LN 53 / MAX Month LN 53
56	PR	The difference between LN 55 for the month and LN 55 for next highest rank
57	CumPR	Cumulative Values, LN 56
58		
59	**DEMAND COST PR ALLOCATORS**	
60		
61	Pipeline - Base	1/12
62	Pipeline - Remaining	LN 50
63	Storage & Peaking	LN 50
64	Capacity Release	LN 57
65	Interr. Margins & Off Sys Sales	LN 57
66		
67	**DEMAND COSTS ALLOCATED TO MONTHS**	
68		
69	Pipeline - Base	LN 40 * LN 61
70	Pipeline - Remaining	LN 41 * LN 62
71	Total Pipeline	LN 69 + LN 70
72		
73	Storage & Peaking	LN 63 * (Sum LN 21 : LN 22)
74		
75	Less Credits to Demand Cost	
76	Cap Rel Margins & Asset Mgt Credit	Schedule 1A, Page 6, Line 6
77	Interruptible Margins	
78	Re-Entry Fee Credits	
79	PNGTS Refund - Winter Only Contract	
80	PNGTS Refund - Year-round Contract	
81	Total Direct Demand Costs	LN 71 + LN 73 - (Sum LN 76 : LN 78)
82		
83	Indirect Demand Costs/(Credits)	
84	Miscellaneous Overhead	Company Analysis
85	Local Production & Storage	Company Analysis
86	Subtotal	LN 84 + LN 85

New Hampshire PNGTS Refund, Litigation Costs and Asset Management

		A Total	B Capacity Assigned	C Sales	D Total	E Capacity Assigned	F Sales
1	Asset Management	($4,877,104)	($658,933)	($4,218,171)	Schedule 21, Line 89	Schedule 5B, Page 5*	A - B
2	Capacity Release Revenues	($70,204)	$0	($70,204)	Schedule 21, Line 88		A - B
3	PNGTS Litigation	$0	$0	$0	Schedule 5B, Page 6*		A - B
4	Total NH Cap Rel and Asset Management	($4,947,308)	($658,933)	($4,288,375)			Sum (LN1 + LN 2 + LN 5)
5	PNGTS Refund - Winter Service	$ (3,349,870)	$ (641,835)	$ (2,708,035)	Schedule 25	Company Estimate	A - B
6	PNGTS Refund - Annual Service	$ (133,354)	$ (25,551)	$ (107,803)	Schedule 25	Company Estimate	A - B

*: Provided in the 2013-2014 Winter Period Filing

Northern Utilities - NEW HAMPSHIRE DIVISION
COMMODITY COSTS

		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	Summer
	Supply Volumes - Therms								
1	New Hampshire Sales Pipeline	1,512,378	1,004,776	911,679	947,788	1,038,901	1,951,800	32,217,211	7,367,322
2	New Hampshire Sales Storage	0	0	0	0	0	0	6,953,982	0
3	New Hampshire Sales Peaking	8,637	8,184	8,331	8,570	8,147	8,825	983,397	50,693
4	Total New Hampshire Firm Sales Sendout	1,521,015	1,012,960	920,009	956,358	1,047,048	1,960,624	40,154,590	7,418,015
5									
6	New Hampshire Interruptible Sendout (Pipeline)	0	0	0	0	0	0	0	0
7									
8	Total Firm Sendout	1,521,015	1,012,960	920,009	956,358	1,047,048	1,960,624	40,154,590	7,418,015
9	Total Firm Sales	1,511,370	1,006,619	914,279	950,425	1,040,489	1,948,123	39,417,643	7,371,305
10	Difference (LAUF & Company Use)	9,645	6,341	5,730	5,933	6,560	12,501	736,947	46,710
11	Percent Difference	0.63%	0.63%	0.62%	0.62%	0.63%	0.64%	1.84%	0.63%
12									
13	**Variable Costs**								
14	New Hampshire Sales Pipeline Commodity	$ 318,269	$ 238,538	$ 228,188	$ 239,661	$ 237,104	$ 527,571	$ 22,270,220	$ 1,789,330
15	New Hampshire Hedging (Gains) Losses	$ -	$ -	$ -	$ -	$ -	$ -	$ 27,935	$ -
16	New Hampshire Total Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,075,461	$ -
17	New Hampshire Total Peaking	$ 11,978	$ 11,131	$ 11,057	$ 11,096	$ 10,283	$ 10,932	$ 1,946,011	$ 66,477
18	New Hampshire Inventory Finance Charge	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,889	$ -
19	Total New Hampshire Sales Variable Costs	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,325,516	$ 1,855,808
20	Total New Hampshire Sales Variable Costs Excld Hedges	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,297,581	$ 1,855,808
21								$ -	$ -
22	New Hampshire Interruptible Commodity Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ (415,675)	$ -
23	Total New Hampshire Commodity Costs	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,325,516	$ 1,855,808
24									
25	**Supply Cost/Therm**								
26	New Hampshire Sales Pipeline Commodity Excld Hedges	$ 0.2104	$ 0.2374	$ 0.2503	$ 0.2529	$ 0.2282	$ 0.2703	$ 0.6913	$ 0.2429
27	New Hampshire Hedging (Gains) Losses	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0009	$ -
28	New Hampshire Storage Excld Inventory Finance Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.4423	$ -
29	New Hampshire Peaking Excld Inventory Finance Costs	$ 1.3869	$ 1.3602	$ 1.3272	$ 1.2947	$ 1.2621	$ 1.2389	$ 1.9789	$ 1.3114
30	New Hampshire Inventory Finance Costs per Dth Stor and Peak	$ -	$ -	$ -	$ -	$ -	$ -	$ 0.0007	$ -
31	Weighted Average Cost per Dth Sendout	$ 0.2171	$ 0.2465	$ 0.2600	$ 0.2622	$ 0.2363	$ 0.2747	$ 0.6805	$ 0.2502
32									
33	New Hampshire Interruptible Cost / Therm	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
34									
35	**Commodity Costs**								
36	Base Commodity, therms	938,709	908,429	920,518	938,709	908,429	938,709	11,034,355	5,553,503
37	Base Commodity Cost Excld Hedging	$ 197,545	$ 215,664	$ 230,401	$ 237,365	$ 207,327	$ 253,733	$ 5,732,736	$ 1,342,034
38	Base Hedging Commodity Cost	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,818	$ -
39	Remaining Commodity Excld Hedging	$ 132,703	$ 34,005	$ 8,844	$ 13,391	$ 40,060	$ 284,770	$ 21,564,845	$ 513,774
40	Remaining Hedging Commodity	$ -	$ -	$ -	$ -	$ -	$ -	$ 22,117	$ -
41	Total Commodity Excld Hedging	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,297,581	$ 1,855,808
42	Total Hedging	$ -	$ -	$ -	$ -	$ -	$ -	$ 27,935	$ -
43	Total Commodity (Incl Hedging)	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,325,516	$ 1,855,808

Northern Utilities - NEW HAMPSHIRE DIVISION
COMMODITY COSTS

	Supply Volumes - Therms	
1	New Hampshire Sales Pipeline	Schedule 22, LN 10 * LN 59 * 10
2	New Hampshire Sales Storage	Schedule 22, LN 3 * LN 59 * 10
3	New Hampshire Sales Peaking	Schedule 22, LN 4 * LN 59 * 10
4	Total New Hampshire Firm Sales Sendout	Sum LN 1 : LN 3
5		
6	New Hampshire Interruptible Sendout (Pipeline)	Schedule 22, LN 8 * 10
7		
8	Total Firm Sendout	LN 4
9	Total Firm Sales	Schedule 10B, LN 11
10	Difference (LAUF & Company Use)	LN 8 - LN 9
11	Percent Difference	LN 10 / LN 8
12		
13	**Variable Costs**	
14	New Hampshire Sales Pipeline Commodity	Schedule 22, LN 73
15	New Hampshire Hedging (Gains) Losses	Schedule 22, LN 74
16	New Hampshire Total Storage	Schedule 22, LN 75
17	New Hampshire Total Peaking	Schedule 22, LN 76
18	New Hampshire Inventory Finance Charge	Schedule 22, LN 79
19	Total New Hampshire Sales Variable Costs	Sum LN 14 : LN 18
20	Total New Hampshire Sales Variable Costs Excld Hedges	LN 19 - LN 15
21		
22	New Hampshire Interruptible Commodity Costs	Schedule 22, LN 77
23	Total New Hampshire Commodity Costs	LN 19
24		
25	**Supply Cost/Therm**	
26	New Hampshire Sales Pipeline Commodity Excld Hedges	LN 14 / LN 1
27	New Hampshire Hedging (Gains) Losses	LN 15 / LN 1
28	New Hampshire Storage Excld Inventory Finance Costs	LN 16 / LN 2
29	New Hampshire Peaking Excld Inventory Finance Costs	LN 17 / LN 3
30	New Hampshire Inventory Finance Costs per Dth Stor and Peak	LN 18 / Sum (LN 2 : LN 3)
31	Weighted Average Cost per Dth Sendout	LN 19 / LN 8
32		
33	New Hampshire Interruptible Cost / Therm	LN 22 / LN 6
34		
35	**Commodity Costs**	
36	Base Commodity, therms	Schedule 10B, LN 64
37	Base Commodity Cost Excld Hedging	Min (LN 26 * LN 36), LN 19
38	Base Hedging Commodity Cost	Min (LN 27 * LN 36), (LN 19 - LN 37)
39	Remaining Commodity Excld Hedging	LN 20 - LN 37
40	Remaining Hedging Commodity	LN 15 - LN 38
41	Total Commodity Excld Hedging	LN 37 + LN 39
42	Total Hedging	LN 38 + LN 40
43	Total Commodity (Incl Hedging)	LN 41 + LN 42

REDACTED

Estimated Delivered City-Gate Commodity Costs and Volumes May 2015 through October 2015			
Denotes Confidential Information			
Supply Source	Delivered City-Gate Costs	Delivered City-Gate Volumes	Delivered Cost per Dth
Tenn Zone 4 Spot	[redacted]	260,039	[redacted]
TGP Zone 6	[redacted]	110,580	[redacted]
Tennessee Production	[redacted]	707,161	[redacted]
PNGTS Receipts	[redacted]	183,356	[redacted]
PNGTS Delivered	[redacted]	491,576	[redacted]
Niagara	[redacted]	48,309	[redacted]
Maritimes Delivered	[redacted]	62,000	[redacted]
LNG	[redacted]	12,880	[redacted]
Total Delivered Commodity Cost	$4,649,612	1,875,901	$2.479

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

			Winter						Summer						
	Sales Revenues								(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	
1	Volumes	Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Total
2	Residential Heat & Non Heat								678,440	451,862	410,412	426,637	467,066	874,495	3,308,911
3	Sales HLF Classes								313,239	208,627	189,489	196,980	215,647	403,758	1,527,740
4	Sales LLF Classes								519,691	346,130	314,379	326,808	357,776	669,870	2,534,654
5	Total								1,511,370	1,006,619	914,279	950,425	1,040,489	1,948,123	7,371,305
6	Rates														
7	Residential Heat & Non Heat CGA								$0.3238	$0.3238	$0.3238	$0.3238	$0.3238	$0.3238	
8	Sales HLF Classes CGA								$0.2612	$0.2612	$0.2612	$0.2612	$0.2612	$0.2612	
9	Sales LLF Classes CGA								$0.3297	$0.3297	$0.3297	$0.3297	$0.3297	$0.3297	
10	Revenues														
11	Residential Heat & Non Heat								$ (219,679)	$ (146,313)	$ (132,891)	$ (138,145)	$ (151,236)	$ (283,161)	$ (1,071,425)
12	Sales HLF Classes								$ (81,818)	$ (54,493)	$ (49,495)	$ (51,451)	$ (56,327)	$ (105,462)	$ (399,046)
13	Sales LLF Classes								$ (171,342)	$ (114,119)	$ (103,651)	$ (107,748)	$ (117,959)	$ (220,856)	$ (835,675)
14	Total Sales								$ (472,839)	$ (314,925)	$ (286,036)	$ (297,345)	$ (325,522)	$ (609,479)	$ (2,306,146)
15															

16			Winter						Summer						
17	**Gas Costs and Credits**								(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	
18		Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Total
19	Net Demand Costs (Net of Injection Fees & Cap. Assign.)														
20	Pipeline								$ 71,435	$ 71,435	$ 71,435	$ 71,435	$ 71,435	$ 71,435	$ 428,609
21	Storage								$ 65,042	$ 65,042	$ 65,042	$ 65,042	$ 65,042	$ 65,042	$ 390,251
22	Peaking								$ 11,069	$ 11,069	$ 11,069	$ 11,069	$ 11,069	$ 11,069	$ 66,415
23	Total Demand Costs		$ -	$ -	$ -	$ -	$ -	$ -	$ 147,546	$ 147,546	$ 147,546	$ 147,546	$ 147,546	$ 147,546	$ 885,275
24	NUI Commodity Costs														
25	NUI Total Pipeline Volumes								379,995	257,838	237,478	239,984	267,775	479,951	1,863,021
26	Pipeline Costs Modeled in Sendout™								$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 4,521,452
27	NYMEX Price Used for Forecast								$ 2.6050	$ 2.6540	$ 2.7140	$ 2.7470	$ 2.7540	$ 2.7830	
28	NYMEX Price Used for Update								$ 2.6050	$ 2.6540	$ 2.7140	$ 2.7470	$ 2.7540	$ 2.7830	
29	Increase/(Decrease) NYMEX Price														
30	Increase/(Decrease) in Pipeline Costs								$ -	$ -	$ -	$ -	$ -	$ -	
31	Updated Pipeline Costs								$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	
32	Interruptible Volumes - NH								0	0	0	0	0	0	
33	Average Supply Cost ($/MMBtu)								$ 2.10	$ 2.37	$ 2.50	$ 2.53	$ 2.28	$ 2.70	
34	Interruptible Cost - NH								$ -	$ -	$ -	$ -	$ -	$ -	
35	Total Updated Pipeline Costs								$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	
36	New Hampshire Allocated Percentage								39.80%	38.97%	38.39%	39.49%	38.80%	40.67%	
37	NH Updated Pipeline Costs								$ 318,269	$ 238,538	$ 228,188	$ 239,661	$ 237,104	$ 527,571	$ 1,789,330
38	NYNMEX Options Contracts														
39									0	0	0	0	0	0	
40	Number of Contracts								$ -	$ -	$ -	$ -	$ -	$ -	
41	Option Contract Price								$ -	$ -	$ -	$ -	$ -	$ -	
42	Hedging Expenses								$ -	$ -	$ -	$ -	$ -	$ -	
43	NYMEX Option Strike Price								-	-	-	-	-	-	
44	NYMEX Price Used for Forecast								$ -	$ -	$ -	$ -	$ -	$ -	$ -
45	New Hampshire Allocated Percentage								$ -	$ -	$ -	$ -	$ -	$ -	
46	NH Futures Hedging (Gain)/Loss								$ -	$ -	$ -	$ -	$ -	$ -	$ -
47	NH Commodity Costs														
48	Pipeline Excl Hedging								$ 318,269	$ 238,538	$ 228,188	$ 239,661	$ 237,104	$ 527,571	$ 1,789,330
49	Hedging (Gain)/Loss Estimate								$ -	$ -	$ -	$ -	$ -	$ -	$ -
50	Storage								$ -	$ -	$ -	$ -	$ -	$ -	$ -
51	Peaking								$ 11,978	$ 11,131	$ 11,057	$ 11,096	$ 10,283	$ 10,932	$ 66,477
52	Total Commodity Costs								$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 1,855,808

Northern Utilities

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

53	Inventory Finance Charge														$ -
54	Asset Management and Capacity Release														
55	NUI AMA Revenue														$ -
56	PNGTS Litigation Cost														$ -
57	NUI Capacity Release														$ -
58	NUI AMA Rev & Cap. Release Subtotal														$ -
59	NH AMA Revenue														$ -
60	NH Capacity Release														$ -
61	NH Total Asset Management and Capacity Release		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
62															
63	**Total Anticipated Direct Cost of Gas**		$ -	$ -	$ -	$ -	$ -	$ -	$ 477,793	$ 397,215	$ 386,791	$ 398,302	$ 394,933	$ 686,049	$ 2,741,083
64			Winter						Summer						
65									(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	(Forecast)	
66		Oct-14	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	Total
67	Working Capital														
68	Total Anticipated Direct Cost of Gas		$ -	$ -	$ -	$ -	$ -	$ -	$ 477,793	$ 397,215	$ 386,791	$ 398,302	$ 394,933	$ 686,049	$ 2,741,083
69	Working Capital Percentage		0.0824%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	0.08%	
70	Working Capital Allowance		$ -	$ -	$ -	$ -	$ -	$ -	$ 394	$ 327	$ 319	$ 328	$ 325	$ 565	$ 2,258
71	Beginning Period Working Capital Balance		$ (387)	$ (388)	$ (389)	$ (390)	$ (391)	$ (392)	$ (393)	$ (0)	$ 327	$ 647	$ 977	$ 1,306	
72	End of Period Working Capital Allowance		$ (387)	$ (388)	$ (389)	$ (390)	$ (391)	$ (392)	$ 0	$ 327	$ 646	$ 975	$ 1,303	$ 1,871	
73	Interest		$ (1)	$ (1)	$ (1)	$ (1)	$ (1)	$ (1)	$ (1)	$ 0	$ 1	$ 2	$ 3	$ 4	$ 4
74	End of period with Interest	$ (387)	$ (388)	$ (389)	$ (390)	$ (391)	$ (392)	$ (393)	$ (0)	$ 327	$ 647	$ 977	$ 1,306	$ 1,875	
75	Bad Debt														
76	Projected Bad Debt	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,889	$ 4,889	$ 4,889	$ 4,889	$ 4,889	$ 4,889	$ 29,333
77	Beginning Period Bad Debt Balance		$ 921	$ 923	$ 926	$ 929	$ 931	$ 934	$ 936	$ 5,834	$ 10,745	$ 15,670	$ 20,608	$ 25,559	
78	End of Period Bad Debt Balance		***$ 921***	***$ 923***	***$ 926***	***$ 929***	***$ 931***	***$ 934***	***$ 5,825***	***$ 10,723***	***$ 15,634***	***$ 20,559***	***$ 25,497***	***$ 30,448***	
79	Interest		$ 2	$ 3	$ 3	$ 3	$ 3	$ 3	$ 9	$ 22	$ 36	$ 49	$ 62	$ 76	$ 270
80	End of Period Bad Debt Balance with Interest	$ 921	$ 923	$ 926	$ 929	$ 931	$ 934	$ 936	$ 5,834	$ 10,745	$ 15,670	$ 20,608	$ 25,559	$ 30,524	
81	Local Production and Storage Capacity								$ -	$ -	$ -	$ -	$ -	$ -	$ -
82			$ -	$ -	$ -										$ -
83	Miscellaneous Overhead								$ 15,979	$ 15,979	$ 15,979	$ 15,979	$ 15,979	$ 15,979	$ 95,875
84															
85	Supplier Refund	$ (105,725)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (105,725)
86	Gas Cost Other than Bad Debt and Working Capital Over/Under Collection														
87	Beginning Balance Over/Under Collection		$ (470,799)	$ (473,260)	$ (475,200)	$ (476,454)	$ (477,744)	$ (479,038)	$ (480,335)	$ (460,675)	$ (363,521)	$ (247,613)	$ (131,189)	$ (46,039)	$ (4,581,867)
88	Net Costs - Revenues		$ (1,184)	$ (658)	$ 33	$ -	$ -	$ -	$ 20,933	$ 98,268	$ 116,734	$ 116,936	$ 85,390	$ 92,549	$ 529,003
89	Ending Balance before Interest		$ (471,983)	$ (473,917)	$ (475,167)	$ (476,454)	$ (477,744)	$ (479,038)	$ (459,402)	$ (362,406)	$ (246,787)	$ (130,677)	$ (45,799)	$ 46,510	$ (4,052,865)
90	Average Balance		$ (471,391)	$ (473,589)	$ (475,183)	$ (476,454)	$ (477,744)	$ (479,038)	$ (469,869)	$ (411,540)	$ (305,154)	$ (189,145)	$ (88,494)	$ 236	$ (4,317,366)
91	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%	
92	Interest Expense		$ (1,277)	$ (1,283)	$ (1,287)	$ (1,290)	$ (1,294)	$ (1,297)	$ (1,273)	$ (1,115)	$ (826)	$ (512)	$ (240)	$ 1	$ (11,693)
93	Ending Balance Incl Interest Expense	$ (470,799)	$ (473,260)	$ (475,200)	$ (476,454)	$ (477,744)	$ (479,038)	$ (480,335)	$ (460,675)	$ (363,521)	$ (247,613)	$ (131,189)	$ (46,039)	$ 46,511	
94	**Total Over/Under Collection Ending Balance**	$ (470,265)	$ (472,724)	$ (474,663)	$ (475,915)	$ (477,204)	$ (478,497)	$ (479,793)	$ (454,841)	$ (352,448)	$ (231,296)	$ (109,604)	$ (19,174)	$ 78,910	
95															
96	**Total Indirect Cost of Gas**	$ (575,990)	$ (1,275)	$ (1,281)	$ (1,286)	$ (1,289)	$ (1,292)	$ (1,296)	$ 19,998	$ 20,103	$ 20,397	$ 20,735	$ 21,019	$ 21,514	$ (459,943)
97															
98	**Total Cost of Gas**	$ (575,990)	$ (1,275)	$ (1,281)	$ (1,286)	$ (1,289)	$ (1,292)	$ (1,296)	$ 497,791	$ 417,318	$ 407,188	$ 419,037	$ 415,952	$ 707,563	$ 2,281,140
99															
100	**Total Interest**	$ -	$ (1,275)	$ (1,281)	$ (1,286)	$ (1,289)	$ (1,292)	$ (1,296)	$ (1,264)	$ (1,092)	$ (789)	$ (461)	$ (174)	$ 81	$ (11,419)

Northern Utilities, Inc.
Estimated Gas Supply Demand Costs
November 1, 2014 through October 31, 2015

Line	Description	Revised Estimate	Prior Estimate	Change	Reference
1.	Pipeline Demand Costs	$ 8,782,311	$ 9,039,940	$ (257,629)	Schedule 5A, Page 3 - Pipeline Allocated Cost
2.	Storage Allocated Pipeline Demand Costs	$ 24,944,603	$ 27,667,462	$ (2,722,859)	Schedule 5A, Page 3 - Storage Allocated Cost
3.	Storage Demand Costs	$ 3,036,846	$ 3,036,846	$ -	Schedule 5A, Page 4 - Annual Fixed Charges
4.	Peaking Allocated Pipeline Demand Costs	$ 1,490,461	$ 1,490,461	$ -	Schedule 5A, Page 3 - Peaking Allocated Cost
5.	Peaking Contract Costs	$ 3,271,550	$ 3,271,550	$ -	Schedule 5A, Page 5, Annual Fixed Charges
6.	Asset Management and Capacity Release Revenue	$ (10,393,056)	$ (11,345,672)	$ 952,616	Schedule 5A, Page 6 - Total Asset Management and Capacity Release Revenue
7.	Total Demand Costs	$ 31,132,715	$ 33,160,587	$ (2,027,873)	Sum Lines 1 through 6.

Northern Utilities, Inc.
Pipeline Contract Demand Cost Estimates
November 1, 2014 through October 31, 2015

Pipeline	Contract ID	Rate	Negotiated Rate	MDQ (Dth)	Receipt Zone	Delivery Zone	Demand Rate ($/MDQ)	Months Per Year	Support for Demand Rate	Monthly Demand	Annual Demand
Algonquin	93002F	AFT-1 (AFT-2)	No	4,211	Mendon, MA	Brockton, MA	$ 6.1138	12	Line 1 of Page 2, Att to Sch 5A	$ 25,745	$ 308,943
Algonquin	93201A1C	AFT-1 (F-2/F-3)	No	1,251	Centerville, NJ	Taunton, MA	$ 6.5734	12	Line 2 of Page 2, Att to Sch 5A	$ 8,223	$ 98,680
Granite	14-001-FT-NN	FT-NN	No	100,000	NA	NA	$ 3.8633	12	Line 3 of Page 2, Att to Sch 5A	$ 386,330	$ 4,635,960
Iroquois	R181001	RTS-1	No	6,569	Zone 1	Zone 1	$ 6.5971	12	Line 4 of Page 2, Att to Sch 5A	$ 43,336	$ 520,036
PNGTS	1997-003	FT	No	1,100	Pittsburgh	GSGT	$ 40.2456	3	Line 5 of Page 2, Att to Sch 5A	$ 44,270	$ 132,810
PNGTS	1997-003	FT	No	1,100	Pittsburgh	GSGT	$ 25.9843	9	Line 5 of Page 2, Att to Sch 5A	$ 28,583	$ 257,245
PNGTS	1997-004	FT	Yes	33,000	Pittsburgh	GSGT	$ 76.4666	3	Line 6 of Page 2, Att to Sch 5A	$ 2,523,398	$ 7,570,193
PNGTS	1997-004	FT	Yes	33,000	Pittsburgh	GSGT	$ 49.3701	2	Line 6 of Page 2, Att to Sch 5A	$ 1,629,213	$ 3,258,427
Tennessee	5083	FT-A	No	4,605	Zone 0	Zone 6	$ 23.9133	12	Line 7 of Page 2, Att to Sch 5A	$ 110,121	$ 1,321,449
Tennessee	5083	FT-A	No	8,550	Zone L	Zone 6	$ 21.2245	12	Line 8 of Page 2, Att to Sch 5A	$ 181,469	$ 2,177,634
Tennessee	5265	FT-A	No	2,653	Zone 4	Zone 6	$ 8.3778	12	Line 9 of Page 2, Att to Sch 5A	$ 22,226	$ 266,716
Tennessee	5292	FT-A	No	1,406	Zone 5	Zone 6	$ 7.3560	12	Line 10 of Page 2, Att to Sch 5A	$ 10,343	$ 124,110
Tennessee	31861	FT-A	No	2,226	Zone 5	Zone 6	$ 7.3560	12	Line 10 of Page 2, Att to Sch 5A	$ 16,374	$ 196,493
Tennessee	39735	FT-A	No	929	Zone 5	Zone 6	$ 7.3560	12	Line 10 of Page 2, Att to Sch 5A	$ 6,834	$ 82,005
Tennessee	41099	FT-A	No	4,267	Zone 5	Zone 6	$ 7.3560	12	Line 10 of Page 2, Att to Sch 5A	$ 31,388	$ 376,657
Texas Eastern	800384	FT-1	No	965	M3	M3	$ 5.4980	12	Line 11 of Page 2, Att to Sch 5A	$ 5,306	$ 63,667
TransCanada	33322	FT	No	34,000	Dawn	E. Hereford	$ 18.9336	2	Line 12 of Page 2, Att to Sch 5A	$ 643,742	$ 1,287,485
TransCanada	33322	FT	No	34,000	Dawn	E. Hereford	$ 26.3469	10	Line 12 of Page 2, Att to Sch 5A	$ 895,795	$ 8,957,946
TransCanada	29594	FT	No	5,937	Parkway	Iroquois	$ 9.3777	2	Line 13 of Page 2, Att to Sch 5A	$ 55,675	$ 111,351
TransCanada	29594	FT	No	5,937	Parkway	Iroquois	$ 13.0670	10	Line 13 of Page 2, Att to Sch 5A	$ 77,579	$ 775,788
Union	M12205	M12	No	6,003	Dawn	Parkway	$ 1.9816	12	Line 14 of Page 2, Att to Sch 5A	$ 11,896	$ 142,747
Vector	CRL-NUI-0725	FT-1	Yes	17,172	Alliance	Dawn	$ 7.6042	12	Line 15 of Page 2, Att to Sch 5A	$ 130,579	$ 1,566,952
Vector	CRL-NUI-0727	FT-1	Yes	17,086	W-10	Dawn	$ 4.5625	5	Line 16 of Page 2, Att to Sch 5A	$ 77,955	$ 389,774
Vector	FT-1-NUI-0122	FT-1	Yes	6,070	Alliance	St. Clair	$ 7.7745	12	Line 17 of Page 2, Att to Sch 5A	$ 47,191	$ 566,295
Vector	FT-1-NUI-C0122	FT-1	Yes	6,070	St. Clair	Dawn	$ 0.3846	12	Line 18 of Page 2, Att to Sch 5A	$ 2,335	$ 28,014

Total Annual Demand Costs $ 35,217,375

Northern Utilities, Inc.

Pipeline Contract Demand Cost Allocations

November 1, 2014 through October 31, 2015

Pipeline	Contract ID	MDQ	Pipeline MDQ	Storage MDQ	Peaking MDQ	Pipeline %	Storage %	Peaking %	Annual Demand	Annual Pipeline Allocated Cost	Annual Storage Allocated Cost	Annual Peaking Allocated Cost
Algonquin	93002F	4,211	4,211			100%	0%	0%	$ 308,943	$ 308,943	$ -	$ -
Algonquin	93201A1C	1,251	1,251			100%	0%	0%	$ 98,680	$ 98,680	$ -	$ -
Granite	14-001-FT-NN	100,000	32,321	35,529	32,150	32%	36%	32%	$ 4,635,960	$ 1,498,389	$ 1,647,110	$ 1,490,461
Iroquois	R181001	6,569	6,569			100%	0%	0%	$ 520,036	$ 520,036	$ -	$ -
PNGTS	1997-003	1,100	1,100			100%	0%	0%	$ 132,810	$ 132,810	$ -	$ -
PNGTS	1997-003	1,100	1,100			100%	0%	0%	$ 257,245	$ 257,245	$ -	$ -
PNGTS	1997-004	33,000		33,000		0%	100%	0%	$ 7,570,193	$ -	$ 7,570,193	$ -
PNGTS	1997-004	33,000		33,000		0%	100%	0%	$ 3,258,427	$ -	$ 3,258,427	$ -
Tennessee	5083	4,605	4,605			100%	0%	0%	$ 1,321,449	$ 1,321,449	$ -	$ -
Tennessee	5083	8,550	8,550			100%	0%	0%	$ 2,177,634	$ 2,177,634	$ -	$ -
Tennessee	5265	2,653		2,653		0%	100%	0%	$ 266,716	$ -	$ 266,716	$ -
Tennessee	5292	1,406	1,406	-		100%	0%	0%	$ 124,110	$ 124,110	$ -	$ -
Tennessee	31861	2,226	2,226			100%	0%	0%	$ 196,493	$ 196,493	$ -	$ -
Tennessee	39735	929	929	-		100%	0%	0%	$ 82,005	$ 82,005	$ -	$ -
Tennessee	41099	4,267	4,267	-		100%	0%	0%	$ 376,657	$ 376,657	$ -	$ -
Texas Eastern	800384	965	965	-		100%	0%	0%	$ 63,667	$ 63,667	$ -	$ -
TransCanada	33322	34,000		34,000		0%	100%	0%	$ 1,287,485	$ -	$ 1,287,485	$ -
TransCanada	33322	34,000		34,000		0%	100%	0%	$ 8,957,946	$ -	$ 8,957,946	$ -
TransCanada	29594	5,937	5,937	-		100%	0%	0%	$ 111,351	$ 111,351	$ -	$ -
TransCanada	29594	5,937	5,937	-		100%	0%	0%	$ 775,788	$ 775,788	$ -	$ -
Union	M12205	6,003	6,003	-		100%	0%	0%	$ 142,747	$ 142,747	$ -	$ -
Vector	CRL-NUI-0725	17,172		17,172		0%	100%	0%	$ 1,566,952	$ -	$ 1,566,952	$ -
Vector	CRL-NUI-0727	17,086		17,086		0%	100%	0%	$ 389,774	$ -	$ 389,774	$ -
Vector	FT-1-NUI-0122	6,070	6,070	-		100%	0%	0%	$ 566,295	$ 566,295	$ -	$ -
Vector	FT-1-NUI-C0122	6,070	6,070	-		100%	0%	0%	$ 28,014	$ 28,014	$ -	$ -
Annual Total Demand Costs									$ 35,217,375	$ 8,782,311	$ 24,944,603	$ 1,490,461

Northern Utilities, Inc.
Storage Contract Demand Cost Estimates
November 1, 2014 through October 31, 2015

Vendor	Contract ID	Rate	Negotiated	MSQ	Space Charge Billing Determinant	MDWQ	Space Rate	Demand Rate	Months Per Year	Support for Demand Rates	Annual Space Charge	Annual Demand Charge	Annual Fixed Charges
Tennessee	5195	FS-MA	No	259,337	259,337	4,243	$ 0.0211	$ 1.5400	12	Line 1 of Page 3, Att to Sch 5A	$ 65,664	$ 78,411	$ 144,075
Texas Eastern	400513	FSS-1	No	3,840	320	64	$ 0.1293	$ 0.8950	12	Line 2 of Page 3, Att to Sch 5A	$ 497	$ 687	$ 1,184
Texas Eastern	400215	SS-1	No	1,470	122	21	$ 0.1293	$ 5.5480	12	Line 2 of Page 3, Att to Sch 5A	$ 189	$ 1,398	$ 1,587
W-10	01052	Storage	Yes	3,400,000		34,000			12	Line 3 of Page 3, Att to Sch 5A	$ -	$ -	$ 2,890,000

Total Annual Fixed Charges $ 3,036,846

MSQ = Maximum Space Quantity
MDWQ = Maximum Daily Withdrawal Quantity

Northern Utilities, Inc.

Peaking Contract Demand Cost Estimates

November 1, 2014 through October 31, 2015

Resource	Supplier	Contract Quantity	Maximum Daily Quantity	Months Per Year	Monthly Fixed Charges	Annual Fixed Charges
LNG Contract	[redacted]	75,000	2,000	5	[redacted]	
Peaking Contract 1		300,000	20,000	5		
Peaking Contract 2		300,000	20,000	5		
Total Peaking Supply Contract Demand Costs						$ 3,271,550

Northern Utilities, Inc.

Asset Management and Capacity Release Revenue Projections

November 1, 2014 through October 31, 2015

Asset Management Agreeement Revenue	
Resources	Projected Revenue
Chicago via Vector, TCPL, Iroquois, TGP, Algonquin	[redacted]
Algonquin Contract #93201A1C (1,251 Dth)	
Wash 10 via Vector, TCPL, PNGTS	
Tennessee Niagara	
Tennessee Long-Haul	
Total Asset Management	$ (10,245,440)

Capacity Release Revenue	
Resources	Projected Revenue
Texas Eastern Contract 800384	[redacted]
Tennessee 5265	
Total Capacity Release	$ (147,616)

Total Asset Management and Capacity Release Revenue	$ (10,393,056)

REDACTED

Northern Utilities, Inc.
Natural Gas Commodity Price Forecast
Based upon NYMEX Settlement for April 1, 2015

		Estimated Adders to NYMEX Last Day Settlement					
Line	Supply Source	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
2	Chicago	[redacted]					
3	Iroquois Receipts						
4	PNGTS Delivered						
5	PNGTS Baseload						
6	Maritimes Delivered						
7	Niagara						
8	Tennessee Production (Zone 0)						
9	Tennessee Production (Zone L)						
10	Tennessee Production (Zone 4)						
11	Tenessee Zone 4 Spot						
12	Peaking Supply 1						
13	Peaking Supply 2						
14	LNG						
15	W10 Supply (Injection)						
16	TGP FS Supply (Injection)						
17	W10 AMA Spot Tier I						
18	W10 AMA Spot Tier II						
19	W10 AMA Spot						
20	AGT Receipts						
21	NYMEX Forecast	$2.605	$2.654	$2.714	$2.747	$2.754	$2.783

Northern Utilities, Inc.
Transportation Contract Rates
November 2014 through October 2015

Fixed Demand Rates

Line	Pipeline	Rate Schedule	Receipt	Delivery	Notes	Demand Rate Support	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
1	Algonquin	AFT-1 (AFT-2)	N/A	N/A		Page 5	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138	$ 6.1138
2	Algonquin	AFT-1 (F-2/F-3)	N/A	N/A		Page 5	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734	$ 6.5734
3	Granite	FT-NN	N/A	N/A		Page 7	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633	$ 3.8633
4	Iroquois	RTS-1	Zone 1	Zone 1		Page 9	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971	$ 6.5971
5	PNGTS	FT	N/A	N/A		Page 17	$ 40.2456	$ 40.2456	$ 40.2456	$ 25.9843	$ 25.9843	$ 25.9843	$ 25.9843	$ 25.9843	$ 25.9843	$ 25.9843	$ 25.9843	$ 25.9843
6	PNGTS	FT (Seasonal)	N/A	N/A		Page 17	$ 76.4666	$ 76.4666	$ 76.4666	$ 49.3701	$ 49.3701							
7	Tennessee	FT-A	Zone 0	Zone 6		Page 19	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133	$ 23.9133
8	Tennessee	FT-A	Zone L	Zone 6		Page 19	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245	$ 21.2245
9	Tennessee	FT-A	Zone 4	Zone 6		Page 19	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778	$ 8.3778
10	Tennessee	FT-A	Zone 5	Zone 6		Page 19	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560	$ 7.3560
11	Texas Eastern	FT-1/FTS	M3	M3	1	Pages 23, 24	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980	$ 5.4980
12	TransCanada	FT	Dawn	E. Hereford		Page 26	$ 16.2538	$ 16.2538	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469	$ 26.3469
13	TransCanada	FT	Parkway	Iroquois		Page 26	$ 8.0504	$ 8.0504	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670	$ 13.0670
14	Union	M12	Dawn	Parkway		Page 26	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816	$ 1.9816
15	Vector	FT-1	Alliance	Dawn		Page 39	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042	$ 7.6042
16	Vector	FT-1	W-10 Storage	Dawn		Page 40	$ 4.5625	$ 4.5625	$ 4.5625	$ 4.5625	$ 4.5625							
17	Vector	FT-1	Alliance	St. Clair	2	Pages 36, 37	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745	$ 7.7745
18	Vector Canada	FT-1	St. Clair	Dawn		Page 26	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846	$ 0.3846

Variable Transportation Commodity Rates

Line	Pipeline	Rate Schedule	Receipt	Delivery	Notes	Commodity Rate Support	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
19	Algonquin	AFT-1 (AFT-2)	N/A	N/A	3	Page 5, 46	$ 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	Algonquin	AFT-1 (F-2/F-3)	N/A	N/A	3	Page 5, 46	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124	$ 0.0124
21	Granite	FT-NN	N/A	N/A	3	Page 7, 46	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
22	Iroquois	RTS-1	Zone 1	Zone 1	3	Pages 9, 46	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042	$ 0.0042
23	LNG Trucking		Everett, MA	LNG Plant		Page 13	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100	$ 1.2100
24	PNGTS	FT	N/A	N/A	3	Page 17, 46	$ 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	Tennessee	FT-A	Zone 0	Zone 4	3, 4	Page 20, 21, 46	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926	$ 0.2926
26	Tennessee	FT-A	Zone 0	Zone 6	3, 4	Page 20, 21, 46	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359	$ 0.3359
27	Tennessee	FT-A	Zone L	Zone 4	3, 4	Page 20, 21, 46	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488	$ 0.2488
28	Tennessee	FT-A	Zone L	Zone 6	3, 4	Page 20, 21, 46	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927	$ 0.2927
29	Tennessee	FT-A	Zone 4	Zone 6	3, 4	Page 20, 21, 46	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140
30	Tennessee	FT-A	Zone 5	Zone 6	3, 4	Page 20, 21, 46	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861	$ 0.0861
31	TransCanada	FT	Dawn	E. Hereford		Page 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
32	TransCanada	FT	Parkway	Iroquois		Page 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
33	Union	M12	Dawn	Parkway		Page 35	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
34	Vector	FT-1	Alliance	W-10		Page 37, 46	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
35	Vector	FT-1	Alliance	Dawn		Page 37, 46	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
36	Vector	FT-1	W-10 Storage	Dawn		Page 37, 46	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012

Transportation Fuel Rates

Line	Pipeline	Rate Schedule	Receipt	Delivery	Notes	Fuel Rate Support	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15
37	Algonquin	AFT-1 (AFT-2)	N/A	N/A		Page 6	0.81%	0.91%	0.91%	0.91%	0.91%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
38	Algonquin	AFT-1 (F-2/F-3)	N/A	N/A		Page 6	0.81%	0.91%	0.91%	0.91%	0.91%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%	0.81%
39	Granite	FT-NN	N/A	N/A		Page 7	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
40	Iroquois	RTS-1	Zone 1	Zone 1	5	Page 12	0.40%	0.40%	0.40%	0.40%	0.40%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%	0.19%
41	PNGTS	FT	N/A	N/A	5	Page 18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
42	Tennessee	FT-A	Zone 0	Zone 4		Page 21	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%
43	Tennessee	FT-A	Zone 0	Zone 6		Page 21	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%	4.63%
44	Tennessee	FT-A	Zone L	Zone 4		Page 21	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%	2.99%
45	Tennessee	FT-A	Zone L	Zone 6		Page 21	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%	4.06%
46	Tennessee	FT-A	Zone 4	Zone 6		Page 21	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%
47	Tennessee	FT-A	Zone 5	Zone 6		Page 21	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%	1.05%
48	TransCanada	FT	Dawn	E. Hereford	5	Page 38	2.15%	2.15%	2.15%	2.15%	2.15%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%	0.93%
49	TransCanada	FT	Parkway	Iroquois	5	Page 38	1.10%	1.10%	1.10%	1.10%	1.10%	0.53%	0.53%	0.53%	0.53%	0.53%	0.53%	0.53%
50	Union	M12	Dawn	Parkway		Page 35	0.98%	0.98%	0.98%	0.98%	0.98%	0.53%	0.53%	0.53%	0.53%	0.53%	0.53%	0.53%
51	Vector	FT-1	Alliance	W-10	5	Page 42	0.88%	0.88%	0.88%	0.88%	0.88%	1.20%	1.20%	1.20%	1.20%	1.20%	1.20%	1.20%
52	Vector	FT-1	Alliance	Dawn	5	Page 42	0.88%	0.88%	0.88%	0.88%	0.88%	1.20%	1.20%	1.20%	1.20%	1.20%	1.20%	1.20%
53	Vector	FT-1	W-10 Storage	Dawn	5	Page 42	0.33%	0.33%	0.33%	0.33%	0.33%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%	0.41%

Note 1 FT-1 Demand Rate = $4.838 plus FT-1 / FTS Rate = $0.66, totals to $5.498.
Note 2 Negotiated Rate Agreement = $8.0908 per Dth (Page 36), which is higher than Maximum Reservation Rate (Page 37), so Maximum Reservation Rate prevails.
Note 3 Variable Rate includes ACA Charge on Page 46.
Note 4 Tennessee Variable Transportation Commodity Rates are calculated by adding the Maximum Commodity Rates found on Page 20 to the applicable EPCR found on page 21.
Note 5 Fuel Rates Estimated based on 12 months historic data.
Reference pages are provided in 2014-2015 Winter Period Filing (DG 14-239).

Northern Utilities, Inc.
Underground Storage Contract Rates
November 2014 through October 2015

Line	Storage	Rate Schedule	Notes	Reference	Space Rate	Demand Rate	Withdrawal Rate	Withdrawal Fuel Loss	Injection Rate	Injection Fuel Loss
1	Tennessee	FS-MA		Page 22	$ 0.0211	$ 1.5400	$ 0.0087	0.00%	$ 0.0087	1.07%
2	Texas Eastern	SS-1		Page 24	$ 0.1293	$ 5.3400				
3	W-10	Storage	1	Pages 43, 44, 45			$ -	0.40%	$ -	0.90%

Note 1 The demand charge for W-10 Storage shall be $240,833.34 per month.

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Northern Utilities, Inc. Commodity Cost by Supply Source May 2015 through October 2015							
Description	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Season
Pipeline Supplies							
Tenn Zone 4 Spot	[redacted]						
Tennessee Production							
Chicago							
Algonquin Receipts							
TGP Zone 6							
Niagara							
Iroquois Receipts							
PNGTS Receipts							
PNGTS Delivered							
Maritimes Delivered							
Total Pipeline	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 4,521,452
Company Managed Pipeline	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Net Pipeline	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 4,521,452
Underground Storage							
Tennessee Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Washington 10 Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Total Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Company Managed Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Net Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Peaking Supplies							
Peaking Contract 1	[redacted]						
Peaking Contract 2							
LNG							
Total Peaking	$ 21,065	$ 20,571	$ 21,614	$ 21,769	$ 21,127	$ 22,014	$ 128,160
Company Managed Peaking	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Net Peaking	$ 21,065	$ 20,571	$ 21,614	$ 21,769	$ 21,127	$ 22,014	$ 128,160
Total NUI Commodity	$ 820,737	$ 632,687	$ 616,009	$ 628,600	$ 632,258	$ 1,319,321	$ 4,649,612
Company-Managed (NH & ME)	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Sales Service (NH & ME)	$ 820,737	$ 632,687	$ 616,009	$ 628,600	$ 632,258	$ 1,319,321	$ 4,649,612
Sales Service Commodity	$ 820,737	$ 632,687	$ 616,009	$ 628,600	$ 632,258	$ 1,319,321	$ 4,649,612
Off-System Sales	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Net Sales Service	$ 820,737	$ 632,687	$ 616,009	$ 628,600	$ 632,258	$ 1,319,321	$ 4,649,612

Northern Utilities, Inc. Commodity Volumes by Supply Source (Dth) May 2015 through October 2015							
Description	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Season
Pipeline Supplies							
Tenn Zone 4 Spot	65,463	38,978	13,473	15,979	60,394	65,753	260,039
Tennessee Production	106,617	103,178	106,617	106,617	103,178	180,953	707,161
Chicago	0	0	0	0	0	0	0
Algonquin Receipts	0	0	0	0	0	0	0
TGP Zone 6	93,383	2,081	0	0	7,879	7,238	110,580
Niagara	0	0	0	0	0	48,309	48,309
Iroquois Receipts	0	0	0	0	0	0	0
PNGTS Receipts	30,892	29,895	30,892	30,892	29,895	30,892	183,356
PNGTS Delivered	83,640	83,706	86,496	86,496	66,429	84,808	491,576
Maritimes Delivered	0	0	0	0	0	62,000	62,000
Total Pipeline	379,995	257,838	237,478	239,984	267,775	479,951	1,863,021
Company Managed Pipeline	0	0	0	0	0	0	0
Net Pipeline	379,995	257,838	237,478	239,984	267,775	479,951	1,863,021
Underground Storage							
Tennessee Storage	0	0	0	0	0	0	0
Washington 10 Storage	0	0	0	0	0	0	0
Total Storage	0	0	0	0	0	0	0
Company Managed Storage	0	0	0	0	0	0	0
Net Storage	0	0	0	0	0	0	0
Peaking Supplies							
Peaking Contract 1	0	0	0	0	0	0	0
Peaking Contract 2	0	0	0	0	0	0	0
LNG	2,170	2,100	2,170	2,170	2,100	2,170	12,880
Total Peaking	2,170	2,100	2,170	2,170	2,100	2,170	12,880
Company Managed Peaking	0	0	0	0	0	0	0
Net Peaking	2,170	2,100	2,170	2,170	2,100	2,170	12,880
Total NUI Commodity	382,165	259,938	239,648	242,154	269,875	482,121	1,875,901
Company-Managed (NH & ME)	0	0	0	0	0	0	0
Sales Service (NH & ME)	382,165	259,938	239,648	242,154	269,875	482,121	1,875,901
Sales Service Commodity	382,165	259,938	239,648	242,154	269,875	482,121	1,875,901
Off-System Sales	0	0	0	0	0	0	0
Net Sales Service	382,165	259,938	239,648	242,154	269,875	482,121	1,875,901

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Northern Utilities, Inc. Commodity Volumes by Supply Source (Dth) May 2015 through October 2015							
Description	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Season
Pipeline Supplies							
Tenn Zone 4 Spot	[redacted]						
Tennessee Production							
Chicago							
Algonquin Receipts							
TGP Zone 6							
Niagara							
Iroquois Receipts							
PNGTS Receipts							
PNGTS Delivered							
Maritimes Delivered							
Total Pipeline	$ 2.104	$ 2.374	$ 2.503	$ 2.529	$ 2.282	$ 2.703	$ 2.427
Company Managed Pipeline							
Net Pipeline	$ 2.104	$ 2.374	$ 2.503	$ 2.529	$ 2.282	$ 2.703	$ 2.427
Underground Storage							
Tennessee Storage							
Washington 10 Storage							
Total Storage							
Company Managed Storage							
Net Storage							
Peaking Supplies							
Peaking Contract 1	[redacted]						
Peaking Contract 2							
LNG							
Total Peaking	$ 9.707	$ 9.796	$ 9.960	$ 10.032	$ 10.060	$ 10.145	$ 9.950
Company Managed Peaking							
Net Peaking	$ 9.707	$ 9.796	$ 9.960	$ 10.032	$ 10.060	$ 10.145	$ 9.950
Total NUI Commodity	$ 2.148	$ 2.434	$ 2.570	$ 2.596	$ 2.343	$ 2.736	$ 2.479
Company-Managed (NH & ME)							
Sales Service (NH & ME)	$ 2.148	$ 2.434	$ 2.570	$ 2.596	$ 2.343	$ 2.736	$ 2.479
Sales Service Commodity	$ 2.148	$ 2.434	$ 2.570	$ 2.596	$ 2.343	$ 2.736	$ 2.479
Off-System Sales							
Net Sales Service	$ 2.148	$ 2.434	$ 2.570	$ 2.596	$ 2.343	$ 2.736	$ 2.479

Source of Supply: Tennessee Zone 4
Delivered to Northern via Tennessee and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	66,619	39,666	13,711	16,261	61,460	66,914	264,631
2	City Gate Delivered Volume	Line 37	65,463	38,978	13,473	15,979	60,394	65,753	260,039
3	Total Purchase Cost	Line 15	[redacted]						
4	Variable Transportation Costs	Sum Lines 29 and 39							
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	66,619	39,666	13,711	16,261	61,460	66,914	264,631
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page 1	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.706
11	NYMEX Cost	Line 9 times Line 10	$ 173,542	$ 105,274	$ 37,211	$ 44,669	$ 169,261	$ 186,221	$ 716,179
12	NYMEX Basis Price	Attach to Sched 5A, Line 10 of Page 1	[redacted]						
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	Transportation Segment 2								
19	Tennessee Gas Pipeline (Contract 5265)								
20	Receipt Point: Tennessee FS-MA 300 Leg								
21	Delivery Point: Pleasant St. (Interconnection with Granite)								
22	Total Contract Recevied Volume	Sendout Optimization	66,619	39,666	13,711	16,261	61,460	66,914	264,631
23	Received Volume	Line 14							
24	Percentage Allocated	Line 23 divided by Line 22	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
25	Received Volume	Line 9	66,619	39,666	13,711	16,261	61,460	66,914	264,631
26	Fuel Loss Rate	Attach to Sched 5A, Line 46 of Page 2	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%
27	Delivered Volume	Line 25 times (1 - Line 26)	65,693	39,115	13,520	16,035	60,606	65,984	260,953
28	Variable Transportation Rate	Attach to Sched 5A, Line 29 of Page 2	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140
29	Variable Transportation Costs	Line 27 times Line 28	$ 7,489	$ 4,459	$ 1,541	$ 1,828	$ 6,909	$ 7,522	$ 29,749
30									
31	Transportation Segment 3								
32	Granite State Gas Transmission (Contract 14-001-FT-NN)								
33	Receipt Point: Pleasant St.								
34	Delivery Point: Northern City Gates								
35	Received Volume	Line 27	65,693	39,115	13,520	16,035	60,606	65,984	260,953
36	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
37	City Gate Delivered Volume	Line 35 times (1 - Line 36)	65,463	38,978	13,473	15,979	60,394	65,753	260,039
38	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
39	Variable Transportation Costs	Line 37 times Line 38	$ 79	$ 47	$ 16	$ 19	$ 72	$ 79	$ 312

Source of Supply: Tennessee Production
Delivered to Northern via Tennessee and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
2	City Gate Volumes - Z0	Line 2 of Page 5	-	-	-	-	-	191	191
3	City Gate Volumes - Z1	Line 2 of Page 6	-	-	-	-	-	74,144	74,144
4	City Gate Volumes - Z4	Line 2 of Page 7	106,617	103,178	106,617	106,617	103,178	106,617	632,826
5	Total City Gate Volumes	Sum Lines 1 through 3	106,617	103,178	106,617	106,617	103,178	180,953	707,161
6	City Gate Delivered Costs - Z0	Line 6 of Page 5	[redacted]						
7	City Gate Delivered Costs - Z1	Line 6 of Page 6							
8	City Gate Delivered Costs - Z4	Line 5 of Page 7							
9	Total City Gate Delivered Costs	Sum Lines 5 through 7							
10	Average Delivered Price	Line 8 divided by Line 4							

Source of Supply: Tennessee Zone 4 200 Leg Pool
Delivered to Northern via Tennessee and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	108,500	105,000	108,500	108,500	105,000	108,500	644,000
2	City Gate Delivered Volume	Line 34	106,617	103,178	106,617	106,617	103,178	106,617	632,826
3	Total Purchase Cost	Line 15	[redacted]						
4	Variable Transportation Costs	Sum Lines 26 and 36	$ 12,325	$ 11,927	$ 12,325	$ 12,325	$ 11,927	$ 12,325	$ 73,155
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]						
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Tennessee Zone 4 Supply Costs								
9	Purchased Volumes	Sendout Optimization	108,500	105,000	108,500	108,500	105,000	108,500	644,000
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.710
11	NYMEX Cost	Line 9 times Line 10	$ 282,643	$ 278,670	$ 294,469	$ 298,050	$ 289,170	$ 301,956	$ 1,744,957
12	NYMEX Basis Price	Attach to Sched 5A, Line 9 of Page 1	[redacted]						
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	Transportation Segment 2								
19	Tennessee Gas Pipeline (Contract 5083)								
20	Receipt Point: Tennessee Zone 4 200 Leg Pool								
21	Delivery Point: Pleasant St. (Interconnection with Granite)								
22	Received Volume	Line 15	108,500	105,000	108,500	108,500	105,000	108,500	644,000
23	Fuel Loss Rate	Attach to Sched 5A, Line 46 of Page	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%	1.39%
24	Delivered Volume	Line 22 times (1 - Line 23)	106,992	103,540	106,992	106,992	103,540	106,992	635,048
25	Variable Transportation Rate	Attach to Sched 5A, Line 29 of Page	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140	$ 0.1140
26	Variable Transportation Costs	Line 24 times Line 25	$ 12,197	$ 11,804	$ 12,197	$ 12,197	$ 11,804	$ 12,197	$ 72,396
27									
28	Transportation Segment 3								
29	Granite State Gas Transmission (Contract 14-001-FT-NN)								
30	Receipt Point: Pleasant St.								
31	Delivery Point: Northern City Gates								
32	Received Volume	Line 24	106,992	103,540	106,992	106,992	103,540	106,992	635,048
33	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
34	City Gate Delivered Volume	Line 32 times (1 - Line 33)	106,617	103,178	106,617	106,617	103,178	106,617	632,826
35	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
36	Variable Transportation Costs	Line 34 times Line 35	$ 128	$ 124	$ 128	$ 128	$ 124	$ 128	$ 759

REDACTED

Source of Supply: Tennessee Zone 0
Delivered to Northern via Tennessee and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 23	-	-	-	-	-	201	201
2	City Gate Delivered Volume	Line 35	-	-	-	-	-	191	191
3	Total Purchase Price	Line 15	[redacted]						
4	Total Purchase Cost	Line 2 times Line 3							
5	Variable Transportation Costs	Sum Lines 27 and 37	$ -	$ -	$ -	$ -	$ -	$ 65	$ 65
6	Total City Gate Delivered Costs	Sum Lines 4 and 5	[redacted]						
7	Average Delivered Price	Line 6 divided by Line 2							
8									
9	Tennessee Zone 0 Supply Costs								
10	Purchased Volumes	Sendout Optimization	-	-	-	-	-	201	201
11	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.783
12	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ 560	$ 560
13	NYMEX Basis Price	Attach to Sched 5A, Line 7 of Page 1	[redacted]						
14	NYMEX Basis Costs	Line 9 times Line 12							
15	Total Purchase Price	Line 10 plus Line 12							
16	Total Purchase Cost	Line 11 plus Line 13							
17									
18	Transportation Fuel Losses and Variable Charges								
19	Transportation Segment 1A								
20	Tennessee Gas Pipeline (Contract 5083)								
21	Receipt Point: Tennessee Zone 0								
22	Delivery Point: Pleasant St. (Interconnection with Granite)								
23	Received Volume	Line 10	-	-	-	-	-	201	201
24	Fuel Loss Rate	Attach to Sched 5A, Line 43 of Page						4.63%	4.63%
25	Delivered Volume	Line 23 times (1 - Line 24)	-	-	-	-	-	192	192
26	Variable Transportation Rate	Attach to Sched 5A, Line 26 of Page						$ 0.3359	$ 0.3359
27	Variable Transportation Costs	Line 25 times Line 26	$ -	$ -	$ -	$ -	$ -	$ 64	$ 64
28									
29	Transportation Segment 2A								
30	Granite State Gas Transmission (Contract 14-001-FT-NN)								
31	Receipt Point: Pleasant St.								
32	Delivery Point: Northern City Gates								
33	Received Volume	Line 25	-	-	-	-	-	192	192
34	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page	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)	-	-	-	-	-	191	191
36	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
37	Variable Transportation Costs	Line 35 times Line 36	$ -	$ -	$ -	$ -	$ -	$ 0	$ 0

Source of Supply: Tennessee Zone L
Delivered to Northern via Tennessee and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 23	-	-	-	-	-	77,553	77,553
2	City Gate Delivered Volume	Line 35	-	-	-	-	-	74,144	74,144
3	Total Purchase Price	Line 15	[redacted]						
4	Total Purchase Cost	Line 2 times Line 3							
5	Variable Transportation Costs	Sum Lines 27 and 37	$ -	$ -	$ -	$ -	$ -	$ 21,867	$ 21,867
6	Total City Gate Delivered Costs	Sum Lines 4 and 5	[redacted]						
7	Average Delivered Price	Line 6 divided by Line 2							
8									
9	Tennessee Zone L Supply Costs								
10	Purchased Volumes	Sendout Optimization	-	-	-	-	-	77,553	77,553
11	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.783
12	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ 215,830	$ 215,830
13	NYMEX Basis Price	Attach to Sched 5A, Line 8 of Page 1	[redacted]						
14	NYMEX Basis Costs	Line 9 times Line 12							
15	Total Purchase Price	Line 10 plus Line 12							
16	Total Purchase Cost	Line 11 plus Line 13							
17									
18	Transportation Fuel Losses and Variable Charges								
19	Transportation Segment 1B								
20	Tennessee Gas Pipeline (Contract 5083)								
21	Receipt Point: Tennessee Zone L								
22	Delivery Point: Pleasant St. (Interconnection with Granite)								
23	Received Volume	Line 10	-	-	-	-	-	77,553	77,553
24	Fuel Loss Rate	Attach to Sched 5A, Line 45 of Page						4.06%	4.06%
25	Delivered Volume	Line 23 times (1 - Line 24)	-	-	-	-	-	74,404	74,404
26	Variable Transportation Rate	Attach to Sched 5A, Line 28 of Page						$ 0.2927	$ 0.2927
27	Variable Transportation Costs	Line 25 times Line 26	$ -	$ -	$ -	$ -	$ -	$ 21,778	$ 21,778
28									
29	Transportation Segment 2B								
30	Granite State Gas Transmission (Contract 14-001-FT-NN)								
31	Receipt Point: Pleasant St.								
32	Delivery Point: Northern City Gates								
33	Received Volume	Line 25	-	-	-	-	-	74,404	74,404
34	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page	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)	-	-	-	-	-	74,144	74,144
36	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
37	Variable Transportation Costs	Line 35 times Line 36	$ -	$ -	$ -	$ -	$ -	$ 89	$ 89

Source of Supply: Chicago (Interconnect of Alliance and Vector Pipelines)
Delivered to Northern via Vector, Union, TransCanada, Iroquois, Tennessee and Granite Pipelines
Delivered to Northern via Vector, Union, TransCanada, Iroquois, Tennessee, Algonquin Pipelines and Bay State Exchange Agreement

Line	City Gate Delivered Costs	Reference	2014-2015 Peak May-15	2014-2015 Peak Jun-15	2014-2015 Peak Jul-15	2014-2015 Peak Aug-15	2014-2015 Peak Sep-15	2014-2015 Peak Oct-15	Summer 2015 2014-2015 Peak
2	Purchased Volumes	Line 9	-	-	-	-	-	-	-
3	City Gate Delivered Volume	Sum Lines 68, 88 and 108	-	-	-	-	-	-	-
4	Total Purchase Cost	Line 15	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Variable Transportation Costs	Sum Lines 27, 47, 60, 70, 80, 90, 100 and 110	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Total City Gate Delivered Costs	Sum Lines 3 and 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	Average Delivered Price	Line 5 divided by Line 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8									
9	Chicago Supply Costs								
10	Purchased Volumes	Sendout Optimization	-	-	-	-	-	-	-
11	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page 1	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	
12	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	NYMEX Basis Price	Attach to Sched 5A, Line 1 of Page 1	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	NYMEX Basis Costs	Line 9 times Line 12	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15	Total Purchase Price	Line 10 plus Line 12	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Total Purchase Cost	Line 11 plus Line 13	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17									
18	Transportation Fuel Losses and Variable Charges								
19	Transportation Segment 1&2								
20	Vector Pipeline (Contracts FT-1-NUI-0122 and FT-1-NUI-C0122)								
21	Receipt Point: Alliance								
22	Delivery Point: Dawn (Interconnects with Union)								
23	Received Volume	Line 10	-	-	-	-	-	-	-
24	Fuel Loss Rate	Attach to Sched 5A, Line 52 of Page 2							
25	Delivered Volume	Line 23 times (1 - Line 24)	-	-	-	-	-	-	-
26	Variable Transportation Rate	Attach to Sched 5A, Line 35 of Page 2							
27	Variable Transportation Costs	Line 25 times Line 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -
28									
29	Transportation Segment 3								
30	Union Pipeline (Contract M12205)								
31	Receipt Point: Dawn								
32	Delivery Point: Parkway (Interconnects with TransCanada)								
33	Received Volume	Line 25	-	-	-	-	-	-	-
34	Fuel Loss Rate	Attach to Sched 5A, Line 50 of Page 2							
35	Delivered Volume	Line 33 times (1 - Line 34)	-	-	-	-	-	-	-
36	Variable Transportation Rate	Attach to Sched 5A, Line 33 of Page 2							
37	Variable Transportation Costs	Line 35 times Line 36	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38									
39	Transportation Segment 4								
40	TransCanada Pipeline (Contract 41235)								
41	Receipt Point: Parkway								
42	Delivery Point: Iroquois								
43	Received Volume	Line 35	-	-	-	-	-	-	-
44	Fuel Loss Rate	Attach to Sched 5A, Line 49 of Page 2							
45	Delivered Volume	Line 43 times (1 - Line 44)	-	-	-	-	-	-	-
46	Variable Transportation Rate	Attach to Sched 5A, Line 32 of Page 2							
47	Variable Transportation Costs	Line 45 times Line 46	$ -	$ -	$ -	$ -	$ -	$ -	$ -
48									
49	Transportation Segment 5								
50	Iroquois Pipeline (Contract R181001)								
51	Receipt Point: Waddington								
52	Delivery Point: Wright (Interconnection with Tennessee)								
53	Total Contract Recevied Volume	Sendout Optimization	-	-	-	-	-	-	-
54	Received Volume	Line 45	-	-	-	-	-	-	-
55	Percentage Allocated	Line 54 divided by Line 53	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
56	Received Volume	Line 45	-	-	-	-	-	-	-
57	Fuel Loss Rate	Attach to Sched 5A, Line 40 of Page 2							
58	Delivered Volume	Line 56 times (1 - Line 57)	-	-	-	-	-	-	-
59	Variable Transportation Rate	Attach to Sched 5A, Line 22 of Page 2							
60	Variable Transportation Costs	Line 58 times Line 59	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61									
62	Transporation Segment 6A								
63	Tennessee Gas Pipeline (Contract 95196)								
64	Receipt Point: Wright								
65	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)								
66	Received Volume	Line 58	-	-	-	-	-	-	-
67	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page 2							
68	City Gate Delivered Volume	Line 66 times (1 - Line 67)	-	-	-	-	-	-	-
69	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page 2							
70	Variable Transportation Costs	Line 68 times Line 69	$ -	$ -	$ -	$ -	$ -	$ -	$ -
71									
72	Transportation Segment 6B								
73	Tennessee Gas Pipeline (Contract 95196)								
74	Receipt Point: Wright								
75	Delivery Point: Pleasant St. (Interconnection with Granite)								
76	Received Volume	Line 68	-	-	-	-	-	-	-
77	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page 2							
78	Delivered Volume	Line 76 times (1 - Line 77)	-	-	-	-	-	-	-
79	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page 2							
80	Variable Transportation Costs	Line 78 times Line 79	$ -	$ -	$ -	$ -	$ -	$ -	$ -
81									
82	Transportation Segment 7B								
83	Granite State Gas Transmission (Contract 14-001-FT-NN)								
84	Receipt Point: Pleasant St.								
85	Delivery Point: Northern City Gates								
86	Received Volume	Line 78	-	-	-	-	-	-	-
87	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
88	City Gate Delivered Volume	Line 86 times (1 - Line 87)	-	-	-	-	-	-	-
89	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
90	Variable Transportation Costs	Line 88 times Line 89	$ -	$ -	$ -	$ -	$ -	$ -	$ -
91									
92	Transportation Segment 6C								
93	Tennessee Gas Pipeline (Contract 41099)								
94	Receipt Point: Wright								
95	Delivery Point: Mendon (Interconnection with Algonquin)								
96	Received Volume	Line 58	-	-	-	-	-	-	-
97	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page 2							
98	Delivered Volume	Line 96 times (1 - Line 97)	-	-	-	-	-	-	-
99	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page 2							
100	Variable Transportation Costs	Line 98 times Line 99	$ -	$ -	$ -	$ -	$ -	$ -	$ -
101									
102	Transportation Segment 7C								
103	Algonquin Gas Transmission (Contract 93200F)								
104	Receipt Point: Mendon								
105	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)								
106	Received Volume	Line 98	-	-	-	-	-	-	-
107	Fuel Loss Rate	Attach to Sched 5A, Line 37 of Page 2							
108	City Gate Delivered Volume	Line 106 times (1 - Line 107)	-	-	-	-	-	-	-
109	Variable Transportation Rate	Attach to Sched 5A, Line 19 of Page 2							
110	Variable Transportation Costs	Line 108 times Line 109	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: Algonquin Receipts
Delivered to Northern via Algonquin Pipeline and Bay State Exchange

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	-	-	-	-	-	-	-
2	City Gate Delivered Volume	Sum Lines 24	-	-	-	-	-	-	-
3	Total Purchase Cost	Line 15	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Variable Transportation Costs	Sum Lines 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Average Delivered Price	Line 5 divided by Line 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7									
8	<u>Algonquin Receipts Supply Costs</u>								
9	Purchased Volumes	Sendout Optimization	-	-	-	-	-	-	-
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	
11	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	NYMEX Basis Price	Attach to Sched 5A, Line 19 of Page	$ -	$ -	$ -	$ -	$ -	$ -	$ -
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	Transportation Segment 1								
19	Algonquin Pipeline (Contract 93201A1C)								
20	Receipt Point: Algonquin Receipt Points								
21	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)								
22	Received Volume	Line 15	-	-	-	-	-	-	-
23	Fuel Loss Rate	Attach to Sched 5A, Line 38 of Page							1.20%
24	City Gate Delivered Volume	Line 22 times (1 - Line 23)	-	-	-	-	-	-	-
25	Variable Transportation Rate	Attach to Sched 5A, Line 20 of Page							
26	Variable Transportation Costs	Line 24 times Line 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: Tennessee Gas Pipeline Zone 6 Spot Purchases
Delivered to Northern via Granite Pipeline

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	93,711	2,088	-	-	7,907	7,263	110,969
2	City Gate Delivered Volume	Line 24	93,383	2,081	-	-	7,879	7,238	110,580
3	Total Purchase Cost	Line 15	[redacted]						
4	Variable Transportation Costs	Line 26	$ 112	$ 2	$ -	$ -	$ 9	$ 9	$ 133
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]						
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Tennessee Zone 6 Supply								
9	Purchased Volumes	Sendout Optimization	93,711	2,088	-	-	7,907	7,263	110,969
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Pag	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.628
11	NYMEX Cost	Line 9 times Line 10	$ 244,117	$ 5,542	$ -	$ -	$ 21,775	$ 20,213	$ 291,647
12	NYMEX Basis Price	Attach to Sched 5A, Line 18 of Pag	[redacted]						
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	Transportation Segment 1								
19	Granite State Gas Transmission (Contract 14-001-FT-NN)								
20	Receipt Point: Newington or Westbrook								
21	Delivery Point: Northern City Gates								
22	Received Volume	Line 9	93,711	2,088	-	-	7,907	7,263	110,969
23	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Pag	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)	93,383	2,081	-	-	7,879	7,238	110,580
25	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Pag	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
26	Variable Transportation Costs	Line 24 times Line 25	$ 112	$ 2	$ -	$ -	$ 9	$ 9	$ 133

Source of Supply: Niagara (Interconnect of TransCanada and Tennessee Pipelines)
Delivered to Northern via Tennessee and Granite Pipelines
Delivered to Northern via Tennessee and Bay State Exhange Agreement

Line	City Gate Delivered Costs	Reference	2014-2015 Peak May-15	2014-2015 Peak Jun-15	2014-2015 Peak Jul-15	2014-2015 Peak Aug-15	2014-2015 Peak Sep-15	2014-2015 Peak Oct-15	Summer 2015 2014-2015 Peak
2	Purchased Volumes	Line 9	-	-	-	-	-	48,993	48,993
3	City Gate Delivered Volume	Line 45	-	-	-	-	-	48,309	48,309
4	Total Purchase Cost	Line 15	[redacted]						
5	Variable Transportation Costs	Sum Lines 27, 37 and 47	$ -	$ -	$ -	$ -	$ -	$ 4,232	$ 4,232
6	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]						
7	Average Delivered Price	Line 5 divided by Line 2	[redacted]						
8									
9	Niagara Supply Costs								
10	Purchased Volumes	Sendout Optimization	-	-	-	-	-	48,993	48,993
11	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.783
12	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ 136,347	$ 136,347
13	NYMEX Basis Price	Attach to Sched 5A, Line 6 of Page 1	[redacted]						
14	NYMEX Basis Costs	Line 9 times Line 12	[redacted]						
15	Total Purchase Price	Line 10 plus Line 12	[redacted]						
16	Total Purchase Cost	Line 11 plus Line 13	[redacted]						
17									
18	Transportation Fuel Losses and Variable Charges								
19	Transportation Segment 1A								
20	Tennessee Gas Pipeline (Contract 5292)								
21	Receipt Point: Niagara								
22	Delivery Point: Pleasant St. (Interconnection with Granite)								
23	Received Volume	Line 9	-	-	-	-	-	26,876	26,876
24	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page						1.05%	1.05%
25	Delivered Volume	Line 23 times (1 - Line 24)	-	-	-	-	-	26,594	26,594
26	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page						$ 0.0861	$ 0.0861
27	Variable Transportation Costs	Line 25 times Line 26	$ -	$ -	$ -	$ -	$ -	$ 2,290	$ 2,290
28									
29	Transportation Segment 1B								
30	Tennessee Gas Pipeline (Contract 39375)								
31	Receipt Point: Niagara								
32	Delivery Point: Pleasant St. (Interconnection with Granite)								
33	Received Volume	Line 9	-	-	-	-	-	22,117	22,117
34	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page						1.05%	1.05%
35	Delivered Volume	Line 33 times (1 - Line 34)	-	-	-	-	-	21,884	21,884
36	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page						$ 0.0861	$ 0.0861
37	Variable Transportation Costs	Line 35 times Line 36	$ -	$ -	$ -	$ -	$ -	$ 1,884	$ 1,884
38									
39	Transportation Segment 2B								
40	Granite State Gas Transmission (Contract 14-001-FT-NN)								
41	Receipt Point: Pleasant St.								
42	Delivery Point: Northern City Gates								
43	Received Volume	Line 35	-	-	-	-	-	48,478	48,478
44	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
45	City Gate Delivered Volume	Line 43 times (1 - Line 44)	-	-	-	-	-	48,309	48,309
46	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
47	Variable Transportation Costs	Line 45 times Line 46	$ -	$ -	$ -	$ -	$ -	$ 58	$ 58

Source of Supply: Iroquois Receipts (Interconnect of TransCanada and Iroquoios Pipelines)
Delivered to Northern via Iroquois, Tennessee and Granite Pipelines
Delivered to Northern via Iroquois, Tennessee, Algonquin Pipelines and Bay State Exchange Agreement

Line	City Gate Delivered Costs	Reference	2014-2015 Peak May-15	2014-2015 Peak Jun-15	2014-2015 Peak Jul-15	2014-2015 Peak Aug-15	2014-2015 Peak Sep-15	2014-2015 Peak Oct-15	Summer 2015 2014-2015 Peak
2	Purchased Volumes	Line 9	-	-	-	-	-	-	-
3	City Gate Delivered Volume	Line 38	-	-	-	-	-	-	-
4	Total Purchase Cost	Line 15	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Variable Transportation Costs	Sum Lines 30, 40, 50, 60, 70 and 80	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Total City Gate Delivered Costs	Sum Lines 3 and 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7	Average Delivered Price	Line 5 divided by Line 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -
8									
9	Irqoquois Receipts Supply Costs								
10	Purchased Volumes	Sendout Optimization	-	-	-	-	-	-	-
11	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page 1	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	
12	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
13	NYMEX Basis Price	Attach to Sched 5A, Line 2 of Page 1	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	NYMEX Basis Costs	Line 9 times Line 12	$ -	$ -	$ -	$ -	$ -	$ -	$ -
15	Total Purchase Price	Line 10 plus Line 12	$ -	$ -	$ -	$ -	$ -	$ -	$ -
16	Total Purchase Cost	Line 11 plus Line 13	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17									
18	Transportation Fuel Losses and Variable Charges								
19	Transportation Segment 5								
20	Iroquois Pipeline (Contract R181001)								
21	Receipt Point: Waddington								
22	Delivery Point: Wright (Interconnection with Tennessee)								
23	Total Contract Recevied Volume	Sendout Optimization	-	-	-	-	-	-	-
24	Received Volume	Line 10	-	-	-	-	-	-	-
25	Percentage Allocated	Line 24 divided by Line 23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
26	Received Volume	Line 15	-	-	-	-	-	-	-
27	Fuel Loss Rate	Attach to Sched 5A, Line 40 of Page 2							
28	Delivered Volume	Line 26 times (1 - Line 27)	-	-	-	-	-	-	-
29	Variable Transportation Rate	Attach to Sched 5A, Line 22 of Page 2							
30	Variable Transportation Costs	Line 28 times Line 29	$ -	$ -	$ -	$ -	$ -	$ -	$ -
31									
32	Transporation Segment 6A								
33	Tennessee Gas Pipeline (Contract 95196)								
34	Receipt Point: Wright								
35	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)								
36	Received Volume	Line 28	-	-	-	-	-	-	-
37	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page 2							
38	City Gate Delivered Volume	Line 36 times (1 - Line 37)	-	-	-	-	-	-	-
39	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page 2							
40	Variable Transportation Costs	Line 38 times Line 39	$ -	$ -	$ -	$ -	$ -	$ -	$ -
41									
42	Transportation Segment 6B								
43	Tennessee Gas Pipeline (Contract 95196)								
44	Receipt Point: Wright								
45	Delivery Point: Pleasant St. (Interconnection with Granite)								
46	Received Volume	Line 38	-	-	-	-	-	-	-
47	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page 2							
48	Delivered Volume	Line 46 times (1 - Line 47)	-	-	-	-	-	-	-
49	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page 2							
50	Variable Transportation Costs	Line 48 times Line 49	$ -	$ -	$ -	$ -	$ -	$ -	$ -
51									
52	Transportation Segment 7B								
53	Granite State Gas Transmission (Contract 14-001-FT-NN)								
54	Receipt Point: Pleasant St.								
55	Delivery Point: Northern City Gates								
56	Received Volume	Line 48	-	-	-	-	-	-	-
57	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
58	City Gate Delivered Volume	Line 56 times (1 - Line 57)	-	-	-	-	-	-	-
59	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
60	Variable Transportation Costs	Line 58 times Line 59	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61									
62	Transportation Segment 6C								
63	Tennessee Gas Pipeline (Contract 41099)								
64	Receipt Point: Wright								
65	Delivery Point: Mendon (Interconnection with Algonquin)								
66	Received Volume	Line 28	-	-	-	-	-	-	-
67	Fuel Loss Rate	Attach to Sched 5A, Line 47 of Page 2							
68	Delivered Volume	Line 66 times (1 - Line 67)	-	-	-	-	-	-	-
69	Variable Transportation Rate	Attach to Sched 5A, Line 30 of Page 2							
70	Variable Transportation Costs	Line 68 times Line 69	$ -	$ -	$ -	$ -	$ -	$ -	$ -
71									
72	Transportation Segment 7C								
73	Algonquin Gas Transmission (Contract 93200F)								
74	Receipt Point: Mendon								
75	Delivery Point: Bay State City Gate (Delivered to Northern via Exchange Agreement)								
76	Received Volume	Line 68	-	-	-	-	-	-	-
77	Fuel Loss Rate	Attach to Sched 5A, Line 37 of Page 2							
78	City Gate Delivered Volume	Line 76 times (1 - Line 77)	-	-	-	-	-	-	-
79	Variable Transportation Rate	Attach to Sched 5A, Line 19 of Page 2							
80	Variable Transportation Costs	Line 78 times Line 79	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: PNGTS (Pittsburg, NH)
Delivered to Northern via PNGTS and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	31,000	30,000	31,000	31,000	30,000	31,000	184,000
2	City Gate Delivered Volume	Line 34	30,892	29,895	30,892	30,892	29,895	30,892	183,356
3	Total Purchase Cost	Line 15	[redacted]						
4	Variable Transportation Costs	Sum Lines 26 and 36	$ 74	$ 72	$ 74	$ 74	$ 72	$ 74	$ 441
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]						
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Portland Supply Costs								
9	Purchased Volumes	Sendout Optimization	31,000	30,000	31,000	31,000	30,000	31,000	184,000
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Pag	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.710
11	NYMEX Cost	Line 9 times Line 10	$ 80,755	$ 79,620	$ 84,134	$ 85,157	$ 82,620	$ 86,273	$ 498,559
12	NYMEX Basis Price	Attach to Sched 5A, Line 4 of Page	[redacted]						
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	Transportation Segment 1								
19	PNGTS (Contract 1997-003)								
20	Receipt Point: Pittsburgh, NH (Interconnects with TransCanada at E. Hereford)								
21	Delivery Point: Granite (Westbrook)								
22	Received Volume	Line 9	31,000	30,000	31,000	31,000	30,000	31,000	184,000
23	Fuel Loss Rate	Attach to Sched 5A, Line 41 of Pag	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
24	Delivered Volume	Line 22 times (1 - Line 23)	31,000	30,000	31,000	31,000	30,000	31,000	184,000
25	Variable Transportation Rate	Attach to Sched 5A, Line 24 of Pag	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
26	Variable Transportation Costs	Line 24 times Line 25	$ 37	$ 36	$ 37	$ 37	$ 36	$ 37	$ 221
27									
28	Transportation Segment 2								
29	Granite State Gas Transmission (Contract 14-001-FT-NN)								
30	Receipt Point: Granite (Westbrook)								
31	Delivery Point: Northern City Gates								
32	Received Volume	Line 24	31,000	30,000	31,000	31,000	30,000	31,000	184,000
33	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Pag	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%
34	City Gate Delivered Volume	Line 32 times (1 - Line 33)	30,892	29,895	30,892	30,892	29,895	30,892	183,356
35	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Pag	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
36	Variable Transportation Costs	Line 34 times Line 35	$ 37	$ 36	$ 37	$ 37	$ 36	$ 37	$ 220

REDACTED

Source of Supply: Maritimes Baseload Supply
City-Gate Delivered Supply

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	-	-	-	-	-	62,000	62,000
2	City Gate Delivered Volume	Line 1	-	-	-	-	-	62,000	62,000
3	Total Purchase Cost	Line 15	[redacted]						
4	Variable Transportation Costs	N/A	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]						
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Maritimes Supply Costs								
9	Purchased Volumes	Sendout Optimization	-	-	-	-	-	62,000	62,000
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Pag	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.783
11	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ 172,546	$ 172,546
12	NYMEX Basis Price	Attach to Sched 5A, Line 5 of Page	[redacted]						
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							

Source of Supply: PNGTS (Westbrook, ME)
Delivered to Northern via Granite Pipeline

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	83,934	84,000	86,800	86,800	66,663	85,106	493,302
2	City Gate Delivered Volume	Line 24	83,640	83,706	86,496	86,496	66,429	84,808	491,576
3	Total Purchase Cost	Line 15	[redacted]						
4	Variable Transportation Costs	Line 26	$ 100	$ 100	$ 104	$ 104	$ 80	$ 102	$ 590
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	[redacted]						
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Portland Supply Costs								
9	Purchased Volumes	Sendout Optimization	83,934	84,000	86,800	86,800	66,663	85,106	493,302
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Pag	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.708
11	NYMEX Cost	Line 9 times Line 10	$ 218,648	$ 222,936	$ 235,575	$ 238,440	$ 183,589	$ 236,849	$ 1,336,037
12	NYMEX Basis Price	Attach to Sched 5A, Line 3 of Page	[redacted]						
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	Transportation Segment 1								
19	Granite State Gas Transmission (Contract 14-001-FT-NN)								
20	Receipt Point: Granite (Westbrook)								
21	Delivery Point: Northern City Gates								
22	Received Volume	Line 9	83,934	84,000	86,800	86,800	66,663	85,106	493,302
23	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Pag	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)	83,640	83,706	86,496	86,496	66,429	84,808	491,576
25	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Pag	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012
26	Variable Transportation Costs	Line 24 times Line 25	$ 100	$ 100	$ 104	$ 104	$ 80	$ 102	$ 590

Source of Supply: Washington 10 Inventory
Delivered to Northern via TransCanada, PNGTS and Granite Pipelines

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Gross Withdrawn Volume	Line 9	-	-	-	-	-	-	-
2	City Gate Delivered Volume	Line 68	-	-	-	-	-	-	-
3	Total Withdrawal Costs	Line 16	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Variable Transportation Costs	Sum Lines 27, 37, 47, 60 and 70	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Line 3 plus Line 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Washington 10 Withdrawn Inventory (Segment 1)								
9	Gross Withdrawn Volume	Sendout Optimization	-	-	-	-	-	-	-
10	Withdrawal Rate	Attach to Sched 5A, Line 3 of Page 3							
11	Withdrawal Charges	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Inventory Rate	FXW-8							
13	Withdrawn Inventory Value	Line 9 times Line 12	$ -	$ -	$ -	$ -	$ -	$ -	$ -
14	Withdrawal Fuel Losses	Attach to Sched 5A, Line 3 of Page 3 times	-	-	-	-	-	-	-
15	Net Withdrawn Volume	Line 9 minus Line 14	-	-	-	-	-	-	-
16	Total Withdrawal Costs	Line 11 plus Line 13	$ -	$ -	$ -	$ -	$ -	$ -	$ -
17									
18	Transportation Fuel Losses and Variable Charges								
19	Transportation Segment 2A								
20	Vector Pipeline (Contract CRL-NUI-0725)								
21	Receipt Point: Washington 10 Withdrawal Meter								
22	Delivery Point: Dawn (Interconnects with TransCanada)								
23	Received Volume	Line 15	-	-	-	-	-	-	-
24	Fuel Loss Rate	Attach to Sched 5A, Line 53 of Page 2							
25	Delivered Volume	Line 23 times (1 - Line 24)	-	-	-	-	-	-	-
26	Variable Transportation Rate	Attach to Sched 5A, Line 36 of Page 2							
27	Variable Transportation Costs	Line 25 times Line 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -
28									
29	Transportation Segment 2B								
30	Vector Pipeline (Contract CRL-NUI-0727)								
31	Receipt Point: Washington 10 Withdrawal Meter								
32	Delivery Point: Union Dawn (Interconnects with TransCanada)								
33	Received Volume	Line 25	-	-	-	-	-	-	-
34	Fuel Loss Rate	Attach to Sched 5A, Line 53 of Page 2							
35	Delivered Volume	Line 33 times (1 - Line 34)	-	-	-	-	-	-	-
36	Variable Transportation Rate	Attach to Sched 5A, Line 36 of Page 2							
37	Variable Transportation Costs	Line 35 times Line 36	$ -	$ -	$ -	$ -	$ -	$ -	$ -
38									
39	Transportation Segment 3								
40	TransCanada Pipeline (Contract 33322)								
41	Receipt Point: Union Dawn								
42	Delivery Point: E. Hereford (Interconnects with PNGTS at Pittsburgh)								
43	Received Volume	Line 35	-	-	-	-	-	-	-
44	Fuel Loss Rate	Attach to Sched 5A, Line 48 of Page 2							
45	Delivered Volume	Line 43 times (1 - Line 44)	-	-	-	-	-	-	-
46	Variable Transportation Rate	Attach to Sched 5A, Line 31 of Page 2							
47	Variable Transportation Costs	Line 45 times Line 46	$ -	$ -	$ -	$ -	$ -	$ -	$ -
48									
49	Transportation Segment 4								
50	PNGTS (Contract 1997-004)								
51	Receipt Point: Pittsburgh, NH (Interconnects with TransCanada at E. Hereford)								
52	Delivery Point: Granite (Westbrook, Newington, Eliot)								
53	Total Contract Recevied Volume	Sendout Optimization	-	-	-	-	-	-	-
54	Received Volume	Line 45	-	-	-	-	-	-	
55	Percentage Allocated	Line 54 divided by Line 53	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
56	Total Contract Recevied Volume	Sendout Optimization							
57	Fuel Loss Rate	Attach to Sched 5A, Line 41 of Page 2							
58	Delivered Volume	Line 56 times (1 - Line 57)	-	-	-	-	-	-	-
59	Variable Transportation Rate	Attach to Sched 5A, Line 24 of Page 2							
60	Variable Transportation Costs	Line 58 times Line 59	$ -	$ -	$ -	$ -	$ -	$ -	$ -
61									
62	Transportation Segment 5								
63	Granite State Gas Transmission (Contract 14-001-FT-NN)								
64	Receipt Point: Westbrook, Newington, Eliot								
65	Delivery Point: Northern City Gates								
66	Received Volume	Line 58	-	-	-	-	-	-	-
67	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
68	City Gate Delivered Volume	Line 66 times (1 - Line 67)	-	-	-	-	-	-	-
69	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
70	Variable Transportation Costs	Line 68 times Line 69	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: Tennessee FS-MA Inventory
Delivered to Northern via Tennessee and Granite Pipelines

	Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
	1	Gross Withdrawn Volume	Line 9	-	-	-	-	-	-	-
	2	City Gate Delivered Volume	Line 38	-	-	-	-	-	-	-
	3	Total Withdrawal Costs	Line 16	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	4	Variable Transportation Costs	Sum Lines 30 and 40	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	5	Total City Gate Delivered Costs	Line 3 plus Line 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	6	Average Delivered Price	Line 5 divided by Line 2							
	7									
	8	Tennessee FS-MA Withdrawn Inventory (Segment 1)								
TGP FS	9	Gross Withdrawn Volume	Sendout Optimization	-	-	-	-	-	-	-
TGP FS	10	Withdrawal Rate	Attach to Sched 5A, Line 1 of Page 3							
TGP FS	11	Withdrawal Charges	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TGP FS	12	Inventory Rate	FXW-8							
TGP FS	13	Withdrawn Inventory Value	Line 9 times Line 12	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TGP FS	14	Withdrawal Fuel Losses	Attach to Sched 5A, Line 1 of Page 3 time	-	-	-	-	-	-	-
TGP FS	15	Net Withdrawn Volume	Line 9 minus Line 14	-	-	-	-	-	-	-
TGP FS	16	Total Withdrawal Costs	Line 11 plus Line 13	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	17									
	18	Transportation Fuel Losses and Variable Charges								
	19	Transportation Segment 2								
	20	Tennessee Gas Pipeline (Contract 5265)								
	21	Receipt Point: Tennessee FS-MA Withdrawal Meter								
	22	Delivery Point: Pleasant St. (Interconnection with Granite)								
P2 TGP FT WD	23	Total Contract Recevied Volume	Sendout Optimization							
P2 TGP FT WD	24	Received Volume	Line 15	-	-	-	-	-	-	-
P2 TGP FT WD	25	Percentage Allocated	Line 24 divided by Line 23	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
P2 TGP FT WD	26	Received Volume	Line 10	-	-	-	-	-	-	-
P2 TGP FT WD	27	Fuel Loss Rate	Attach to Sched 5A, Line 46 of Page 2							
P2 TGP FT WD	28	Delivered Volume	Line 26 times (1 - Line 27)	-	-	-	-	-	-	-
P2 TGP FT WD	29	Variable Transportation Rate	Attach to Sched 5A, Line 29 of Page 2							
P2 TGP FT WD	30	Variable Transportation Costs	Line 28 times Line 29	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	31									
	32	Transportation Segment 3								
	33	Granite State Gas Transmission (Contract 14-001-FT-NN)								
	34	Receipt Point: Pleasant St.								
	35	Delivery Point: Northern City Gates								
GSGT FLOW	36	Received Volume	Line 28	-	-	-	-	-	-	-
GSGT FLOW	37	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
GSGT FLOW	38	City Gate Delivered Volume	Line 36 times (1 - Line 37)	-	-	-	-	-	-	-
GSGT FLOW	39	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
GSGT FLOW	40	Variable Transportation Costs	Line 38 times Line 39	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: Peaking Contract 1
Delivered to Northern via Granite Pipeline

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	-	-	-	-	-	-	-
2	City Gate Delivered Volume	Line 24	-	-	-	-	-	-	-
3	Total Purchase Cost	Line 15	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Variable Transportation Costs	Line 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Average Delivered Price	Line 5 divided by Line 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7									
8	Peaking Contract 1 Costs								
9	Purchased Volumes	Sendout Optimization	-	-	-	-	-	-	-
10	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page 1	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	
11	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	NYMEX Basis Price	Attach to Sched 5A, Line 11 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	Transportation Segment 1								
19	Granite State Gas Transmission (Contract 14-001-FT-NN)								
20	Receipt Point: Pleasant St.								
21	Delivery Point: Northern City Gates								
22	Received Volume	Line 9	-	-	-	-	-	-	-
23	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
24	City Gate Delivered Volume	Line 22 times (1 - Line 23)	-	-	-	-	-	-	-
25	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
26	Variable Transportation Costs	Line 24 times Line 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: Peaking Supply 2
Delivered to Northern via Granite Pipeline

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 9	-	-	-	-	-	-	-
2	City Gate Delivered Volume	Line 24	-	-	-	-	-	-	-
3	Total Purchase Cost	Line 15	$ -	$ -	$ -	$ -	$ -	$ -	$ -
4	Variable Transportation Costs	Line 26	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Sum Lines 3 and 4	$ -	$ -	$ -	$ -	$ -	$ -	$ -
6	Average Delivered Price	Line 5 divided by Line 2	$ -	$ -	$ -	$ -	$ -	$ -	$ -
7									
8	Peaking Supply 2 Costs								
9	Purchased Volumes	Sendout Optimization	-	-	-	-	-	-	-
10	Monthly Commodity Price	Attach to Sched 5A, Line 21 of Page 1	$ 21.670	$ 21.670	$ 21.670	$ 21.670	$ 21.670		
11	NYMEX Cost	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	NYMEX Basis Price	Attach to Sched 5A, Line 12 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	Transportation Segment 1								
19	Granite State Gas Transmission (Contract 14-001-FT-NN)								
20	Receipt Point: Newington or Westbrook								
21	Delivery Point: Northern City Gates								
22	Received Volume	Line 9	-	-	-	-	-	-	-
23	Fuel Loss Rate	Attach to Sched 5A, Line 39 of Page 2	0.35%	0.35%	0.35%	0.35%	0.35%	0.35%	
24	City Gate Delivered Volume	Line 22 times (1 - Line 23)	-	-	-	-	-	-	-
25	Variable Transportation Rate	Attach to Sched 5A, Line 21 of Page 2	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	$ 0.0012	
26	Variable Transportation Costs	Line 24 times Line 25	$ -	$ -	$ -	$ -	$ -	$ -	$ -

Source of Supply: Northern LNG Inventory
On-System Storage

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Gross Withdrawn Volume	Line 9	2,170	2,100	2,170	2,170	2,100	2,170	12,880
2	City Gate Delivered Volume	Line 15	2,170	2,100	2,170	2,170	2,100	2,170	12,880
3	Total Withdrawal Costs	Line 16	[redacted]						
4	Variable Transportation Costs	N/A	$ -	$ -	$ -	$ -	$ -	$ -	$ -
5	Total City Gate Delivered Costs	Line 3 plus Line 4	[redacted]						
6	Average Delivered Price	Line 5 divided by Line 2							
7									
8	Northern LNG Withdrawn Inventory								
9	Gross Withdrawn Volume	Sendout Optimization	2,170	2,100	2,170	2,170	2,100	2,170	12,880
10	Withdrawal Rate	N/A	$ -	$ -	$ -	$ -	$ -	$ -	$ -
11	Withdrawal Charges	Line 9 times Line 10	$ -	$ -	$ -	$ -	$ -	$ -	$ -
12	Inventory Rate	FXW-8	[redacted]						
13	Withdrawn Inventory Value	Line 9 times Line 12							
14	Withdrawal Fuel Losses	N/A	-	-	-	-	-	-	-
15	Net Withdrawn Volume	Line 9 minus Line 14	2,170	2,100	2,170	2,170	2,100	2,170	12,880
16	Total Withdrawal Costs	Line 11 plus Line 13	[redacted]						

Source of Supply: LNG Supply
Delivered to Northern via LNG Trucking Contract

Line	City Gate Delivered Costs	Reference	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Summer 2015
1	Purchased Volumes	Line 22	4,256	1,600	2,170	2,170	2,100	2,170	14,466
2	Storage Delivered Volume	Line 24	4,256	1,600	2,170	2,170	2,100	2,170	14,466
3	Total Purchase Price	Line 15	[redacted]						
4	Total Purchase Cost	Line 10 times Line 12							
5	Variable Transportation Costs	Line 26							
6	Total Storage Delivered Costs	Line 13 plus Line 14							
7	Average Delivered Price	Line 15 divided by Line 11							
8									
9	LNG Supply Costs								
10	Purchased Volumes	Sendout Optimization	4,256	1,600	2,170	2,170	2,100	2,170	14,466
11	Monthly NYMEX Price	Attach to Sched 5A, Line 21 of Page 1	$ 2.605	$ 2.654	$ 2.714	$ 2.747	$ 2.754	$ 2.783	$ 2.696
12	NYMEX Costs	Line 9 times Line 10	$ 11,088	$ 4,245	$ 5,889	$ 5,961	$ 5,783	$ 6,039	$ 39,006
13	NYMEX Basis Price	Attach to Sched 5A, Line 14 of Page 1	[redacted]						
14	NYMEX Basis Costs	Line 9 times Line 12							
15	Total Purchase Price	Line 10 plus Line 12							
16	Total Purchase Cost	Line 11 plus Line 13							
17									
18	Transportation Segment 3								
19	Trucking Contract								
20	Receipt Point: Distrigas Terminal								
21	Delivery Point: Northern LNG Facility (Lewiston, ME)								
22	Received Volume	Line 19 minus Line 31	4,256	1,600	2,170	2,170	2,100	2,170	14,466
23	Fuel Loss Rate	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
24	Storage Delivered Volume	Line 22 times (1 - Line 23)	4,256	1,600	2,170	2,170	2,100	2,170	14,466
25	Variable Transportation Rate	Attach to Sched 5A, Line 29 of Page 2	[redacted]						
26	Variable Transportation Costs	Line 24 times Line 25							

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical Residential Heating Bill - 837 therms/year

Comparison of Summer 2015 vs. Summer 2014

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)		58	109	149	148	134	96	694	49	24	16	14	15	25	143	837
Winter 2014- 2015																
Customer Charge units @	$20.01	$20.01	$20.01	$20.01	$20.01	$20.01	$20.01	$120.06								
First 50 units @	$0.5844	$29.22	$29.22	$29.22	$29.22	$29.22	$29.22	$175.32								
Over 50 units @	$0.4780	$3.82	$28.20	$47.32	$46.84	$40.15	$21.99	$188.33								
COG 1	$1.0574	$61.33						$61.33								
COG 2	$0.9644		$105.12					$105.12								
COG 3	$0.9644			$143.70				$143.70								
COG 4	$0.9644				$142.73			$142.73								
COG 5	$0.9644					$129.23		$129.23								
COG 6	$0.9644						$92.58	$92.58								
Winter Period 2014-2015 Avg. COG	$0.9722 *															
LDAC	$0.0649	$3.76	$7.07	$9.67	$9.61	$8.70	$6.23	$45.04								
Summer 2015																
Customer Charge units @	$21.36 (2)								$21.36	$21.36	$21.36	$21.36	$21.36	$21.36	$128.16	
First 50 units @	$0.5449 (2)								$26.70	$13.08	$8.72	$7.63	$8.17	$13.62	$77.92	
Over 50 units @	$0.5449 (2)								$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
COG 1	$0.3238								$15.87						$15.87	
COG 2	$0.3238									$7.77					$7.77	
COG 3	$0.3238										$5.18				$5.18	
COG 4	$0.3238											$4.53			$4.53	
COG 5	$0.3238												$4.86		$4.86	
COG 6	$0.3238													$8.10	$8.10	
Summer Period 2015 Avg. COG	$0.3238 *															
LDAC	$0.0446								$2.19	$1.07	$0.71	$0.62	$0.67	$1.12	$6.38	
TOTAL		$118.15	$189.63	$249.92	$248.41	$227.31	$170.03	$1,203.44	$66.11	$43.28	$35.97	$34.15	$35.06	$44.19	**$258.76**	$1,462.20

		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms (1)		58	109	149	148	134	96	694	49	24	16	14	15	25	143	837
Winter 2013 - 2014																
Customer Charge units @	$20.01	$20.01	$20.01	$20.01	$20.01	$20.01	$20.01	$120.06								
First 50 units @	$0.5844	$29.22	$29.22	$29.22	$29.22	$29.22	$29.22	$175.32								
Over 50 units @	$0.4780	$3.82	$28.20	$47.32	$46.84	$40.15	$21.99	$188.33								
COG 1	$1.1069	$64.20						$64.20								
COG 2	$1.1069		$120.65					$120.65								
COG 3	$1.0574			$157.55				$157.55								
COG 4	$1.0574				$156.50			$156.50								
COG 5	$1.0574					$141.69		$141.69								
COG 6	$1.0574						$101.51	$101.51								
Winter Period 2013-2014 Avg. COG	$1.0693 *															
LDAC	$0.0649	$3.76	$7.07	$9.67	$9.61	$8.70	$6.23	$45.04								
Summer 2014																
Customer Charge units @	$20.01								$20.01	$20.01	$20.01	$20.01	$20.01	$20.01	$120.06	
First 50 units @	$0.5104								$25.01	$12.25	$8.17	$7.15	$7.66	$12.76	$72.99	
Over 50 units @	$0.5104								$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	
COG 1	$0.6833								$33.48						$33.48	
COG 2	$0.6833									$16.40					$16.40	
COG 3	$0.6153										$9.84				$9.84	
COG 4	$0.6153											$8.61			$8.61	
COG 5	$0.6153												$9.23		$9.23	
COG 6	$0.6153													$15.38	$15.38	
Summer Period 2014 Avg. COG	$0.6500 *															
LDAC	$0.0692								$3.39	$1.66	$1.11	$0.97	$1.04	$1.73	$9.90	
TOTAL		$121.02	$205.16	$263.77	$262.17	$239.77	$178.96	$1,270.85	$81.89	$50.32	$39.13	$36.74	$37.93	$49.88	**$295.89**	$1,566.75
Change		-$2.87	-$15.53	-$13.86	-$13.76	-$12.46	-$8.93	-$67.41	-$15.78	-$7.04	-$3.16	-$2.59	-$2.87	-$5.69	**-$37.13**	($104.55)
% Chg		-2.37%	-7.57%	-5.25%	-5.25%	-5.20%	-4.99%	-5.30%	-19.27%	-13.99%	-8.06%	-7.06%	-7.58%	-11.41%	**-12.55%**	-6.67%

*-Note- Weighted by usage.
(1) Actual Weather Normalized Usage from November 2013 to October 2014
(2) Includes the 2015 Step 2 Adjustment

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-40 Commercial & Industrial Bill - 2,199 therms/year

Comparison of Summer 2015 vs. Summer 2014

	Rate	Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)		142	295	423	423	384	242	1,909	112	48	29	25	28	48	290	2,199
Winter 2014- 2015																
Customer Charge units @	$63.18	$63.18	$63.18	$63.18	$63.18	$63.18	$63.18	$379.08								
First 75 units @	$0.1513	$11.35	$11.35	$11.35	$11.35	$11.35	$11.35	$68.09								
Over 75 units @	$0.1513	$10.14	$33.29	$52.65	$52.65	$46.75	$25.27	$220.75								
COG 1	$1.1217	$159.28						$159.28								
COG 2	$0.9792		$288.86					$288.86								
COG 3	$0.9792			$414.20				$414.20								
COG 4	$0.9792				$414.20			$414.20								
COG 5	$0.9792					$376.01		$376.01								
COG 6	$0.9792						$236.97	$236.97								
Winter Period 2014-2015 Avg. COG	$0.9898 *															
LDAC	$0.0437	$6.21	$12.89	$18.49	$18.49	$16.78	$10.58	$83.42								
Summer 2015																
Customer Charge units @	$67.45 (2)								$67.45	$67.45	$67.45	$67.45	$67.45	$67.45	$404.70	
First 75 units @	$0.1615 (2)								$12.11	$7.75	$4.68	$4.04	$4.52	$7.75	$40.86	
Over 75 units @	$0.1615 (2)								$5.98	$0.00	$0.00	$0.00	$0.00	$0.00	$5.98	
COG 1	$0.3297								$36.93						$36.93	
COG 2	$0.3297									$15.83					$15.83	
COG 3	$0.3297										$9.56				$9.56	
COG 4	$0.3297											$8.24			$8.24	
COG 5	$0.3297												$9.23		$9.23	
COG 6	$0.3297													$15.83	$15.83	
Summer Period 2015 Avg. COG	$0.3297 *															
LDAC	$0.0234								$2.62	$1.12	$0.68	$0.59	$0.66	$1.12	$6.79	
TOTAL		$250.15	$409.57	$559.87	$559.87	$514.07	$347.34	$2,640.86	$125.09	$92.15	$82.37	$80.32	$81.86	$92.15	$553.93	$3,194.80

	Rate	Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)		142	295	423	423	384	242	1,909	112	48	29	25	28	48	290	2,199
Winter 2013 - 2014																
Customer Charge units @	$31.40	$31.40	$31.40	$31.40	$31.40	$31.40	$31.40	$188.40								
First 75 units @	$0.3122	$23.42	$23.42	$23.42	$23.42	$23.42	$23.42	$140.49								
Over 75 units @	$0.2647	$17.73	$58.23	$92.12	$92.12	$81.79	$44.20	$386.20								
COG 1	$0.8664	$123.03						$123.03								
COG 2	$0.8664		$255.59					$255.59								
COG 3	$0.9703			$410.44				$410.44								
COG 4	$0.9703				$410.44			$410.44								
COG 5	$0.9703					$372.60		$372.60								
COG 6	$0.7330						$177.39	$177.39								
Winter Period 2013-2014 Avg. COG	$0.9164 *															
LDAC	$0.0227	$3.22	$6.70	$9.60	$9.60	$8.72	$5.49	$43.33								
Summer 2014																
Customer Charge units @	$63.18								$63.18	$63.18	$63.18	$63.18	$63.18	$63.18	$379.08	
First 75 units @	$0.1513								$11.35	$7.26	$4.39	$3.78	$4.24	$7.26	$38.28	
Over 75 units @	$0.1513								$5.60	$0.00	$0.00	$0.00	$0.00	$0.00	$5.60	
COG 1	$0.7209								$80.74						$80.74	
COG 2	$0.7209									$34.60					$34.60	
COG 3	$0.6529										$18.93				$18.93	
COG 4	$0.6529											$16.32			$16.32	
COG 5	$0.6529												$18.28		$18.28	
COG 6	$0.6529													$31.34	$31.34	
Summer Period 2014 Avg. COG	$0.6904 *															
LDAC	$0.0430								$4.82	$2.06	$1.25	$1.08	$1.20	$2.06	$12.47	
TOTAL		$198.80	$375.33	$566.97	$566.97	$517.92	$281.90	$2,507.89	$165.68	$107.11	$87.75	$84.36	$86.90	$103.85	$635.65	$3,143.54
Change		$51.35	$34.24	-$7.10	-$7.10	-$3.85	$65.44	$132.97	-$40.60	-$14.96	-$5.38	-$4.05	-$5.04	-$11.69	-$81.71	$51.26
% Chg		25.83%	9.12%	-1.25%	-1.25%	-0.74%	23.21%	5.30%	-24.50%	-13.97%	-6.13%	-4.79%	-5.80%	-11.26%	-12.86%	1.63%

*-Note- Weighted by usage.
(1) Actual Weather Normalized Usage from November 2013 to October 2014
(2) Includes the 2015 Step 2 Adjustment

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-41 Commercial & Industrial Bill - 24,028 therms/year

Comparison of Summer 2015 vs. Summer 2014

			Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)			1,779	3,104	4,476	4,168	3,985	2,663	20,175	1,392	671	410	336	389	655	**3,853**	**24,028**
Winter 2014- 2015																	
Customer Charge	units @	$184.26	$184.26	$184.26	$184.26	$184.26	$184.26	$184.26	$1,105.56								
All	units @	$0.1965	$349.57	$609.94	$879.53	$819.01	$783.05	$523.28	$3,964.39								
	COG 1	$1.1217	$1,995.50						$1,995.50								
	COG 2	$1.0722		$3,328.11					$3,328.11								
	COG 3	$1.0722			$4,799.17				$4,799.17								
	COG 4	$1.0722				$4,468.93			$4,468.93								
	COG 5	$1.0722					$4,272.72		$4,272.72								
	COG 6	$1.0722						$2,855.27	$2,855.27								
Winter Period 2014-2015 Avg. COG		$1.0766 *															
	LDAC	$0.0437	$77.74	$135.64	$195.60	$182.14	$174.14	$116.37	$881.65								
Summer 2015																	
Customer Charge	units @	$196.73 (2)								$196.73	$196.73	$196.73	$196.73	$196.73	$196.73	$1,180.38	
All	units @	$0.1622 (2)								$225.78	$108.84	$66.50	$54.50	$63.10	$106.24	$624.96	
	COG 1	$0.3297								$458.94						$458.94	
	COG 2	$0.3297									$221.23					$221.23	
	COG 3	$0.3297										$135.18				$135.18	
	COG 4	$0.3297											$110.78			$110.78	
	COG 5	$0.3297												$128.25		$128.25	
	COG 6	$0.3297													$215.95	$215.95	
Summer Period 2015 Avg. COG		$0.3297 *															
	LDAC	$0.0234								$32.57	$15.70	$9.59	$7.86	$9.10	$15.33	$90.16	
	TOTAL		$2,607.08	$4,257.95	$6,058.56	$5,654.34	$5,414.17	$3,679.18	$27,671.29	$914.03	$542.50	$408.00	$369.87	$397.18	$534.25	**$3,165.83**	**$30,837.12**

			Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)			1,779	3,104	4,476	4,168	3,985	2,663	20,175	1,392	671	410	336	389	655	**3,853**	24,028
Winter 2013 - 2014																	
Customer Charge	units @	$94.21	$94.21	$94.21	$94.21	$94.21	$94.21	$94.21	$565.26								
All	units @	$0.2437	$433.54	$756.44	$1,090.80	$1,015.74	$971.14	$648.97	$4,916.65								
	COG 1	$0.8664	$1,541.33						$1,541.33								
	COG 2	$0.8664		$2,689.31					$2,689.31								
	COG 3	$0.9703			$4,343.06				$4,343.06								
	COG 4	$0.9703				$4,044.21			$4,044.21								
	COG 5	$0.9703					$3,866.65		$3,866.65								
	COG 6	$0.7330						$1,951.98	$1,951.98								
Winter Period 2013-2014 Avg. COG		$0.9138 *															
	LDAC	$0.0227	$40.38	$70.46	$101.61	$94.61	$90.46	$60.45	$457.97								
Summer 2014																	
Customer Charge	units @	$184.26								$184.26	$184.26	$184.26	$184.26	$184.26	$184.26	$1,105.56	
All	units @	$0.1519								$211.44	$101.92	$62.28	$51.04	$59.09	$99.49	$585.27	
	COG 1	$0.7209								$1,003.49						$1,003.49	
	COG 2	$0.7209									$483.72					$483.72	
	COG 3	$0.6529										$267.69				$267.69	
	COG 4	$0.6529											$219.37			$219.37	
	COG 5	$0.6529												$253.98		$253.98	
	COG 6	$0.6529													$427.65	$427.65	
Summer Period 2014 Avg. COG		$0.6893 *															
	LDAC	$0.0430								$59.86	$28.85	$17.63	$14.45	$16.73	$28.17	$165.68	
	TOTAL		$2,109.46	$3,610.42	$5,629.68	$5,248.78	$5,022.46	$2,755.61	$24,376.41	$1,459.05	$798.76	$531.86	$469.12	$514.05	$739.57	**$4,512.42**	**$28,888.83**
	Change		$497.62	$647.53	$428.88	$405.57	$391.71	$923.57	$3,294.88	-$545.03	-$256.27	-$123.86	-$99.25	-$116.87	-$205.32	**-$1,346.59**	**$1,948.30**
	% Chg		23.59%	17.93%	7.62%	7.73%	7.80%	33.52%	13.52%	-37.35%	-32.08%	-23.29%	-21.16%	-22.74%	-27.76%	**-29.84%**	**6.74%**

*-Note- Weighted by usage.

(1) Actual Weather Normalized Usage from November 2013 to October 2014

(2) Includes the 2015 Step 2 Adjustment

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION

Typical G-51 Commercial & Industrial Bill - 20,534 therms/year

Comparison of Summer 2015 vs. Summer 2014

	Rate		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)			1,661	1,902	2,344	2,367	2,248	1,832	12,354	1,591	1,351	1,291	1,270	1,263	1,414	8,180	20,534
Winter 2014- 2015																	
Customer Charge units @	$184.26		$184.26	$184.26	$184.26	$184.26	$184.26	$184.26	$1,105.56								
First 1,300 units @	$0.1424		$185.12	$185.12	$185.12	$185.12	$185.12	$185.12	$1,110.72								
Over 1,300 units @	$0.1160		$41.88	$69.83	$121.10	$123.77	$109.97	$61.71	$528.26								
COG 1	$1.0063		$1,671.46						$1,671.46								
COG 2	$0.9568			$1,819.83					$1,819.83								
COG 3	$0.9568				$2,242.74				$2,242.74								
COG 4	$0.9568					$2,264.75			$2,264.75								
COG 5	$0.9568						$2,150.89		$2,150.89								
COG 6	$0.9568							$1,752.86	$1,752.86								
Winter Period 2014-2015 Avg. COG	$0.9635	*															
LDAC	$0.0437		$72.59	$83.12	$102.43	$103.44	$98.24	$80.06	$539.87								
Summer 2015																	
Customer Charge units @	$196.73	(2)								$196.73	$196.73	$196.73	$196.73	$196.73	$196.73	$1,180.38	
First 1,000 units @	$0.1183	(2)								$118.30	$118.30	$118.30	$118.30	$118.30	$118.30	$709.80	
Over 1,000 units @	$0.0958									$56.62	$33.63	$27.88	$25.87	$25.20	$39.66	$208.84	
COG 1	$0.2612									$415.57						$415.57	
COG 2	$0.2612										$352.88					$352.88	
COG 3	$0.2612											$337.21				$337.21	
COG 4	$0.2612												$331.72			$331.72	
COG 5	$0.2612													$329.90		$329.90	
COG 6	$0.2612														$369.34	$369.34	
Summer Period 2015 Avg. COG	$0.2612	*															
LDAC	$0.0234									$37.23	$31.61	$30.21	$29.72	$29.55	$33.09	$191.41	
TOTAL			$2,155.31	$2,342.16	$2,835.66	$2,861.34	$2,728.47	$2,264.01	$15,186.94	$824.45	$733.15	$710.33	$702.34	$699.68	$757.12	$4,427.05	$19,613.99

	Rate		Nov	Dec	Jan	Feb	Mar	Apr	Winter	May	June	July	August	Sept	October	Summer	Annual
Typical Usage: therms(1)			1,661	1,902	2,344	2,367	2,248	1,832	12,354	1,591	1,351	1,291	1,270	1,263	1,414	8,180	20,534
Winter 2013 - 2014																	
Customer Charge units @	$94.21		$94.21	$94.21	$94.21	$94.21	$94.21	$94.21	$565.26								
First 1,300 units @	$0.2270		$295.10	$295.10	$295.10	$295.10	$295.10	$295.10	$1,770.60								
Over 1,300 units @	$0.1903		$68.70	$114.56	$198.67	$203.05	$180.40	$101.24	$866.63								
COG 1	$0.7762		$1,289.27						$1,289.27								
COG 2	$0.7762			$1,476.33					$1,476.33								
COG 3	$0.8801				$2,062.95				$2,062.95								
COG 4	$0.8801					$2,083.20			$2,083.20								
COG 5	$0.8801						$1,978.46		$1,978.46								
COG 6	$0.6428							$1,177.61	$1,177.61								
Winter Period 2013-2014 Avg. COG	$0.8149	*															
LDAC	$0.0227		$37.70	$43.18	$53.21	$53.73	$51.03	$41.59	$280.44								
Summer 2014																	
Customer Charge units @	$184.26									$184.26	$184.26	$184.26	$184.26	$184.26	$184.26	$1,105.56	
First 1,000 units @	$0.1108									$110.80	$110.80	$110.80	$110.80	$110.80	$110.80	$664.80	
Over 1,000 units @	$0.0897									$53.01	$31.48	$26.10	$24.22	$23.59	$37.14	$195.55	
COG 1	$0.6318									$1,005.19						$1,005.19	
COG 2	$0.6318										$853.56					$853.56	
COG 3	$0.5638											$727.87				$727.87	
COG 4	$0.5638												$716.03			$716.03	
COG 5	$0.5638													$712.08		$712.08	
COG 6	$0.5638														$797.21	$797.21	
Summer Period 2014 Avg. COG	$0.5883	*															
LDAC	$0.0430									$68.41	$58.09	$55.51	$54.61	$54.31	$60.80	$351.74	
TOTAL			$1,784.98	$2,023.38	$2,704.15	$2,729.29	$2,599.21	$1,709.75	$13,550.75	$1,421.68	$1,238.20	$1,104.54	$1,089.92	$1,085.04	$1,190.21	$7,129.59	$20,680.33
Change			$370.32	$318.78	$131.51	$132.05	$129.26	$554.26	$1,636.19	-$597.23	-$505.05	-$394.22	-$387.58	-$385.36	-$433.10	-$2,702.53	-$1,066.34
% Chg			20.75%	15.76%	4.86%	4.84%	4.97%	32.42%	12.07%	-42.01%	-40.79%	-35.69%	-35.56%	-35.52%	-36.39%	-37.91%	-5.16%

*-Note- Weighted by usage.
(1) Actual Weather Normalized Usage from November 2013 to October 2014
(2) Includes the 2015 Step 2 Adjustment

NORTHERN UTILITIES, INC. -- NEW HAMPSHIRE DIVISION

Impact of Rate Changes on Residential Heating Bills by Usage Level

Forecast Summer 2015 vs. Actual Summer 2014

Residential Heating	Summer 2014	Summer 2015
Customer Charge	$20.01	$21.36
First 50 Therms	$0.5104	$0.5449
Over 50 therms	$0.5104	$0.5449
LDAC	$0.0692	$0.0446
CGA	$0.6500	$0.3238

	Usage (Therms)	Summer 2014 Bill Amount	Summer 2015 Bill Amount	Total Bill		Base Rate		COG		LDAC	
	5	$26.16	$25.93	($0.23)	-0.9%	$0.17	0.6%	($1.63)	-6.2%	($0.12)	-0.5%
	10	$32.31	$30.49	($1.81)	-5.6%	$0.35	1.1%	($3.26)	-10.1%	($0.25)	-0.8%
	20	$44.60	$39.63	($4.98)	-11.2%	$0.69	1.5%	($6.52)	-14.6%	($0.49)	-1.1%
Average Monthly	25	$50.75	$44.19	($6.56)	-12.9%	$0.86	1.7%	($8.16)	-16.1%	($0.62)	-1.2%
	30	$56.90	$48.76	($8.14)	-14.3%	$1.04	1.8%	($9.79)	-17.2%	($0.74)	-1.3%
	45	$75.34	$62.46	($12.88)	-17.1%	$1.55	2.1%	($14.68)	-19.5%	($1.11)	-1.5%
	50	$81.49	$67.03	($14.47)	-17.8%	$1.73	2.1%	($16.31)	-20.0%	($1.23)	-1.5%
	75	$112.23	$89.86	($22.37)	-19.9%	$2.59	2.3%	($24.47)	-21.8%	($1.85)	-1.6%
	125	$173.71	$135.52	($38.19)	-22.0%	$4.32	2.5%	($40.78)	-23.5%	($3.08)	-1.8%
	150	$204.45	$158.36	($46.10)	-22.5%	$5.18	2.5%	($48.93)	-23.9%	($3.69)	-1.8%
	200	$265.93	$204.02	($61.91)	-23.3%	$6.91	2.6%	($65.24)	-24.5%	($4.92)	-1.9%

Northern Utilities New Hampshire Division
Period Covered: May 1, 2015 - October 30, 2015
Variance Analysis

		2014 Summer (6 months actual)			Forecast Summer 2015 (6 months proposed)			Variance		
1	Therm Sales	6,433,420			7,371,305			937,885		
2				EFFECT			EFFECT			EFFECT
3		THERM		ON COST	THERM		ON COST	THERM		ON COST
4		SENDOUT	COSTS	OF GAS	SENDOUT	COSTS	OF GAS	SENDOUT	COSTS	OF GAS
5										
6	Demand Charges		$ 925,646	$ 0.1439		$ 739,996	$ 0.1004		$ (185,650)	$ (0.0435)
7										
8	Purchased Gas		2,691,253	0.4183		1,789,330	0.2427		$ (901,923)	$ (0.1756)
9										
10	Storage & Peaking Gas		241,294	0.0375		66,477	0.0090		$ (174,817)	$ (0.0285)
11										
12	Hedging (Gain)/Loss			-		-	-		-	-
13										
14										
15	Total Volumes and Cost		$ 3,858,463	$ 0.5998	$ -	$ 2,595,804	$ 0.3521	$ -	$ (1,262,659)	$ (0.2476)
16										
17	Prior Period Balance		$401,941	$ 0.0625		$ (470,799)	$ (0.0639)		$ (872,740)	$ (0.1263)
18						$ -	$ -		$ -	$ -
19	Interest		$ (702)	$ (0.0001)		(11,419)	$ (0.0015)		(10,717)	$ (0.0014)
20	Refunds from Suppliers		-	$ -		-	$ -		-	$ -
21	Off-system Sales		(101,471)	$ (0.0158)						
22	Prior Period Adjustment									
23	ATV Reconciliation		(88,962)			-	$ -		-	$ -
24	Capacity Release & Asset Management		-	$ -		$ -	$ -		-	$ -
25	Working Capital Allowance		(387)	$ (0.0001)		1,871	$ 0.0003		2,258	$ 0.0003
26	Bad Debt Allowance		921	$ 0.0001		$ 30,254	$ 0.0041		29,333	$ 0.0040
27	Fuel Inventory Financing		-	$ -		-	$ -		-	$ -
28	Local Production and Storage			$ -		-	$ -		-	$ -
29	Misc Overhead		97,718	$ 0.0152		95,875	$ 0.0130		(1,843)	$ (0.0022)
30										
31	Total Anticipated Indirect Cost of Gas		$309,058	$ 0.0480		(354,218)	$ (0.0481)		(663,276)	$ (0.0961)
32	Total Adjusted Cost		4,167,521	$ 0.6478		2,241,586	$ 0.3040		(1,925,935)	$ (0.3438)

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

Base Capacity Costs

1	**BASE SENDOUT BY CLASS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**SUMMER**	
2	**Total Therms**									
3	Res Heat	409,365	396,159	401,430	409,365	396,159	409,365	4,812,004	2,421,843	Schedule 10B, LN 52
4	Res General	12,137	11,746	11,902	12,137	11,746	12,137	142,670	71,805	Schedule 10B, LN 53
5	G50 Low Annual-Low Winter	74,998	72,578	73,544	74,998	72,578	74,998	881,584	443,694	Schedule 10B, LN 54
6	G40 Low Annual-High Winter	148,996	144,190	146,109	148,996	144,190	148,996	1,751,425	881,478	Schedule 10B, LN 55
7	G51 Med Annual-Low Winter	101,757	98,474	99,785	101,757	98,474	101,757	1,196,133	602,004	Schedule 10B, LN 56
8	G41 Med Annual-High Winter	153,546	148,593	150,571	153,546	148,593	153,546	1,804,907	908,395	Schedule 10B, LN 57
9	G52 High Annual-Low Winter	17,751	17,179	17,407	17,751	17,179	17,751	208,663	105,018	Schedule 10B, LN 58
10	G42 High Annual-High Winter	20,159	19,509	19,769	20,159	19,509	20,159	236,970	119,265	Schedule 10B, LN 59
11	Total Firm Sales	938,709	908,429	920,518	938,709	908,429	938,709	11,034,355	5,553,503	Sum LN 3 : LN 10
12										
13	**% of Total**									
14	Res Heat	43.61%	43.61%	43.61%	43.61%	43.61%	43.61%			LN 3 / LN 11
15	Res General	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%			LN 4 / LN 11
16	G50 Low Annual-Low Winter	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%			LN 5 / LN 11
17	G40 Low Annual-High Winter	15.87%	15.87%	15.87%	15.87%	15.87%	15.87%			LN 6 / LN 11
18	G51 Med Annual-Low Winter	10.84%	10.84%	10.84%	10.84%	10.84%	10.84%			LN 7 / LN 11
19	G41 Med Annual-High Winter	16.36%	16.36%	16.36%	16.36%	16.36%	16.36%			LN 8 / LN 11
20	G52 High Annual-Low Winter	1.89%	1.89%	1.89%	1.89%	1.89%	1.89%			LN 9 / LN 11
21	G42 High Annual-High Winter	2.15%	2.15%	2.15%	2.15%	2.15%	2.15%			LN 10 / LN 11
22	Total Firm Sales	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%			LN 11 / LN 11
23										
24	**PIPELINE BASE DEMAND COSTS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**SUMMER**	
25	TOTAL PIPELINE BASE DEMAND COST	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 55,622	$ 667,465	$ 333,732	Schedule 1A, LN 69
26	Res Heat	$ 24,256	$ 24,256	$ 24,256	$ 24,256	$ 24,256	$ 24,256	$ 291,077	$ 145,538	LN 25 * LN 14
27	Res General	$ 719	$ 719	$ 719	$ 719	$ 719	$ 719	$ 8,630	$ 4,315	LN 25 * LN 15
28	G50 Low Annual-Low Winter	$ 4,444	$ 4,444	$ 4,444	$ 4,444	$ 4,444	$ 4,444	$ 53,327	$ 26,663	LN 25 * LN 16
29	G40 Low Annual-High Winter	$ 8,829	$ 8,829	$ 8,829	$ 8,829	$ 8,829	$ 8,829	$ 105,943	$ 52,972	LN 25 * LN 17
30	G51 Med Annual-Low Winter	$ 6,029	$ 6,029	$ 6,029	$ 6,029	$ 6,029	$ 6,029	$ 72,354	$ 36,177	LN 25 * LN 18
31	G41 Med Annual-High Winter	$ 9,098	$ 9,098	$ 9,098	$ 9,098	$ 9,098	$ 9,098	$ 109,178	$ 54,589	LN 25 * LN 19
32	G52 High Annual-Low Winter	$ 1,052	$ 1,052	$ 1,052	$ 1,052	$ 1,052	$ 1,052	$ 12,622	$ 6,311	LN 25 * LN 20
33	G42 High Annual-High Winter	$ 1,195	$ 1,195	$ 1,195	$ 1,195	$ 1,195	$ 1,195	$ 14,334	$ 7,167	LN 25 * LN 21
34										
35	Residential	$ 24,976	$ 24,976	$ 24,975	$ 24,976	$ 24,976	$ 24,976	$ 299,707	$ 149,853	LN 26 + LN 27
36	SALES HLF CLASSES	$ 11,525	$ 11,525	$ 11,525	$ 11,525	$ 11,525	$ 11,525	$ 138,302	$ 69,151	LN 28 + LN 30 + LN 32
37	SALES LLF CLASSES	$ 19,121	$ 19,121	$ 19,121	$ 19,121	$ 19,121	$ 19,121	$ 229,456	$ 114,728	LN 29 + LN 31 + LN 33
38										

Remaining Capacity Costs

LN		Column A Design Day Demand (MMBtu)	Column B Avg Daily Base Use Load (MMBtu)	Column C Remaining Design Day Demand (MMBtu)	Column D % of Total Remaining Design Day Demand	
39						
40	Res Heat	18,499	1,536	16,963	45.13%	Company Analysis
41	Res General	227	56	171	0.45%	Company Analysis
42	G50 Low Annual-Low Winter	984	324	660	1.76%	Company Analysis
43	G40 Low Annual-High Winter	10,253	512	9,741	25.92%	Company Analysis
44	G51 Med Annual-Low Winter	1,249	384	865	2.30%	Company Analysis
45	G41 Med Annual-High Winter	8,726	631	8,095	21.54%	Company Analysis
46	G52 High Annual-Low Winter	186	19	167	0.44%	Company Analysis
47	G42 High Annual-High Winter	980	54	926	2.46%	Company Analysis
48	TOTAL	41,104	3,517	37,587	100.00%	Sum LN 40 : LN 47
49						

LN	REMAINING PIPELINE DEMAND	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
52	NH DIVISION TOTAL - REMAINING PIPELINE	$ 28,944	$ 4,301	$ -	$ 688	$ 5,876	$ 55,068	$ 2,811,747	$ 94,877	Schedule 1A, LN 70
53										
54	Res Heat	$ 13,063	$ 1,941	$ -	$ 310	$ 2,652	$ 24,852	$ 1,268,934	$ 42,818	LN 40 Col D * LN 52
55	Res General	$ 131	$ 20	$ -	$ 3	$ 27	$ 250	$ 12,759	$ 431	LN 41 Col D * LN 52
56	G50 Low Annual-Low Winter	$ 508	$ 76	$ -	$ 12	$ 103	$ 967	$ 49,369	$ 1,666	LN 42 Col D * LN 52
57	G40 Low Annual-High Winter	$ 7,501	$ 1,115	$ -	$ 178	$ 1,523	$ 14,272	$ 728,697	$ 24,588	LN 43 Col D * LN 52
58	G51 Med Annual-Low Winter	$ 666	$ 99	$ -	$ 16	$ 135	$ 1,267	$ 64,688	$ 2,183	LN 44 Col D * LN 52
59	G41 Med Annual-High Winter	$ 6,233	$ 926	$ -	$ 148	$ 1,265	$ 11,859	$ 605,532	$ 20,433	LN 45 Col D * LN 52
60	G52 High Annual-Low Winter	$ 129	$ 19	$ -	$ 3	$ 26	$ 244	$ 12,483	$ 421	LN 46 Col D * LN 52
61	G42 High Annual-High Winter	$ 713	$ 106	$ -	$ 17	$ 145	$ 1,357	$ 69,285	$ 2,338	LN 47 Col D * LN 52
62	TOTAL	$ 28,944	$ 4,301	$ -	$ 688	$ 5,876	$ 55,068	$ 2,811,747	$ 94,877	Sum LN 54 : LN 61
63										
64	Residential	$ 13,194	$ 1,960	$ -	$ 314	$ 2,678	$ 25,102	$ 1,281,692	$ 43,248	LN 54 + LN 55
65	SALES HLF CLASSES	$ 1,303	$ 194	$ -	$ 31	$ 264	$ 2,478	$ 126,540	$ 4,270	LN 56 + LN 58 + LN 60
66	SALES LLF CLASSES	$ 14,448	$ 2,147	$ -	$ 343	$ 2,933	$ 27,488	$ 1,403,514	$ 47,359	LN 57 + LN 59 + LN 61
67										

(Lines 50–51 of the page carry the heading row above.)

LN	PEAKING AND STORAGE DEMAND	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
70	NH DIVISION TOTAL - PEAKING & STORAGE	$ 139,316	$ 20,700	$ -	$ 3,312	$ 28,282	$ 265,055	$ 13,533,594	$ 456,665	Schedule 1A, LN 73
71										
72	Res Heat	$ 62,873	$ 9,342	$ -	$ 1,495	$ 12,764	$ 119,619	$ 6,107,675	$ 206,092	LN 40 Col D * LN 70
73	Res General	$ 632	$ 94	$ -	$ 15	$ 128	$ 1,203	$ 61,410	$ 2,072	LN 41 Col D * LN 70
74	G50 Low Annual-Low Winter	$ 2,446	$ 363	$ -	$ 58	$ 497	$ 4,654	$ 237,627	$ 8,018	LN 42 Col D * LN 70
75	G40 Low Annual-High Winter	$ 36,105	$ 5,365	$ -	$ 858	$ 7,330	$ 68,692	$ 3,507,388	$ 118,350	LN 43 Col D * LN 70
76	G51 Med Annual-Low Winter	$ 3,205	$ 476	$ -	$ 76	$ 651	$ 6,098	$ 311,358	$ 10,506	LN 44 Col D * LN 70
77	G41 Med Annual-High Winter	$ 30,003	$ 4,458	$ -	$ 713	$ 6,091	$ 57,082	$ 2,914,568	$ 98,347	LN 45 Col D * LN 70
78	G52 High Annual-Low Winter	$ 619	$ 92	$ -	$ 15	$ 126	$ 1,177	$ 60,084	$ 2,027	LN 46 Col D * LN 70
79	G42 High Annual-High Winter	$ 3,433	$ 510	$ -	$ 82	$ 697	$ 6,531	$ 333,486	$ 11,253	LN 47 Col D * LN 70
80	TOTAL	$ 139,316	$ 20,700	$ -	$ 3,312	$ 28,282	$ 265,055	$ 13,533,594	$ 456,665	Sum LN 72 : LN 79
81										
82	Residential	$ 63,505	$ 9,436	$ -	$ 1,510	$ 12,892	$ 120,821	$ 6,169,085	$ 208,164	LN 72 + LN 73
83	SALES HLF CLASSES	$ 6,270	$ 932	$ -	$ 149	$ 1,273	$ 11,929	$ 609,068	$ 20,552	LN 74 + LN 76 + LN 78
84	SALES LLF CLASSES	$ 69,541	$ 10,333	$ -	$ 1,653	$ 14,117	$ 132,305	$ 6,755,441	$ 227,950	LN 75 + LN 77 + LN 79
85										

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

LN		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
88	NH DIVISION - MONTHLY CAP. RELEASE	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,288,375)	$ -	Schedule 1A, LN 76
89										
90	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,935,332)	$ -	LN 40 Col D * LN 88
91	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ (19,459)	$ -	LN 41 Col D * LN 88
92	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ (75,296)	$ -	LN 42 Col D * LN 88
93	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,111,382)	$ -	LN 43 Col D * LN 88
94	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ (98,660)	$ -	LN 44 Col D * LN 88
95	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ (923,536)	$ -	LN 45 Col D * LN 88
96	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ (19,039)	$ -	LN 46 Col D * LN 88
97	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ (105,671)	$ -	LN 47 Col D * LN 88
98	TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,288,375)	$ -	Sum LN 90 : LN 97
99										
100	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ (1,954,791)	$ -	LN 90 + LN 91
101	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ (192,995)	$ -	LN 92 + LN 94 + LN 96
102	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ (2,140,589)	$ -	LN 93 + LN 95 + LN 97

103

104 **INTERRUPTIBLE MARGINS BY CLASS**

LN		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
106	NH DIVISION - MONTHLY INTERR MARGINS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	Schedule 1A, LN 77
107										
108	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 40 Col D * LN 106
109	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 41 Col D * LN 106
110	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 42 Col D * LN 106
111	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 43 Col D * LN 106
112	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 44 Col D * LN 106
113	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 45 Col D * LN 106
114	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 46 Col D * LN 106
115	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 47 Col D * LN 106
116	TOTAL	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	Sum LN 108 : LN 115
117										
118	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 108 + LN 109
119	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 110 + LN 112 + LN 114
120	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	LN 111 + LN 113 + LN 115

121

122 **REMAINING RE-ENTRY FEE CREDIT**

Ln		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
123										
124	NH DIVISION - RE-ENTRY FEE CREDITS	$ (36,860)	$ (13,126)	$ (8,984)	$ (9,646)	$ (14,643)	$ (62,020)	$ (2,815,838)	$ (145,279)	Schedule 1A, LN 78
125										
126	Res Heat	$ (16,635)	$ (5,924)	$ (4,054)	$ (4,353)	$ (6,608)	$ (27,990)	$ (1,270,780)	$ (65,564)	LN 40 Col D * LN 124
127	Res General	$ (167)	$ (60)	$ (41)	$ (44)	$ (66)	$ (281)	$ (12,777)	$ (659)	LN 41 Col D * LN 124
128	G50 Low Annual-Low Winter	$ (647)	$ (230)	$ (158)	$ (169)	$ (257)	$ (1,089)	$ (49,441)	$ (2,551)	LN 42 Col D * LN 124
129	G40 Low Annual-High Winter	$ (9,553)	$ (3,402)	$ (2,328)	$ (2,500)	$ (3,795)	$ (16,073)	$ (729,757)	$ (37,651)	LN 43 Col D * LN 124
130	G51 Med Annual-Low Winter	$ (848)	$ (302)	$ (207)	$ (222)	$ (337)	$ (1,427)	$ (64,782)	$ (3,342)	LN 44 Col D * LN 124
131	G41 Med Annual-High Winter	$ (7,938)	$ (2,827)	$ (1,935)	$ (2,077)	$ (3,153)	$ (13,357)	$ (606,413)	$ (31,287)	LN 45 Col D * LN 124
132	G52 High Annual-Low Winter	$ (164)	$ (58)	$ (40)	$ (43)	$ (65)	$ (275)	$ (12,501)	$ (645)	LN 46 Col D * LN 124
133	G42 High Annual-High Winter	$ (908)	$ (323)	$ (221)	$ (238)	$ (361)	$ (1,528)	$ (69,386)	$ (3,580)	LN 47 Col D * LN 124
134	TOTAL	$ (36,860)	$ (13,126)	$ (8,984)	$ (9,646)	$ (14,643)	$ (62,020)	$ (2,815,838)	$ (145,279)	Sum LN 126 : LN 133
135										
136	Residential	$ (16,802)	$ (5,983)	$ (4,095)	$ (4,397)	$ (6,675)	$ (28,271)	$ (1,283,557)	$ (66,223)	LN 126 + LN 127
137	SALES HLF CLASSES	$ (1,659)	$ (591)	$ (404)	$ (434)	$ (659)	$ (2,791)	$ (126,724)	$ (6,538)	LN 128 + LN 130 + LN 132
138	SALES LLF CLASSES	$ (18,399)	$ (6,552)	$ (4,484)	$ (4,815)	$ (7,309)	$ (30,958)	$ (1,405,556)	$ (72,518)	LN 129 + LN 131 + LN 133

139

140 **TOTAL NON-BASE CAPACITY COSTS**

Ln		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
141										
142	Res Heat	$ 59,301	$ 5,359	$ (4,054)	$ (2,548)	$ 8,807	$ 116,481	$ 4,170,497	$ 183,346	Sum of Ln 54, 72, 90, 108, 126
143	Res General	$ 596	$ 54	$ (41)	$ (26)	$ 89	$ 1,171	$ 41,932	$ 1,843	Sum of Ln 55, 73, 91, 109, 127
144	G50 Low Annual-Low Winter	$ 2,307	$ 209	$ (158)	$ (99)	$ 343	$ 4,532	$ 162,258	$ 7,133	Sum of Ln 56, 74, 92, 110, 128
145	G40 Low Annual-High Winter	$ 34,054	$ 3,078	$ (2,328)	$ (1,463)	$ 5,058	$ 66,890	$ 2,394,945	$ 105,288	Sum of Ln 57, 75, 93, 111, 129
146	G51 Med Annual-Low Winter	$ 3,023	$ 273	$ (207)	$ (130)	$ 449	$ 5,938	$ 212,604	$ 9,347	Sum of Ln 58, 76, 94, 112, 130
147	G41 Med Annual-High Winter	$ 28,298	$ 2,557	$ (1,935)	$ (1,216)	$ 4,203	$ 55,584	$ 1,990,151	$ 87,492	Sum of Ln 59, 77, 95, 113, 131
148	G52 High Annual-Low Winter	$ 583	$ 53	$ (40)	$ (25)	$ 87	$ 1,146	$ 41,027	$ 1,804	Sum of Ln 60, 78, 96, 114, 132
149	G42 High Annual-High Winter	$ 3,238	$ 293	$ (221)	$ (139)	$ 481	$ 6,360	$ 227,714	$ 10,011	Sum of Ln 61, 79, 97, 115, 133
150	TOTAL	$ 131,400	$ 11,875	$ (8,984)	$ (5,647)	$ 19,515	$ 258,103	$ 9,241,128	$ 406,263	Sum LN 142 : LN 149
151										
152	Residential	$ 59,897	$ 5,413	$ (4,095)	$ (2,574)	$ 8,896	$ 117,652	$ 4,212,429	$ 185,189	LN 142 + LN 143
153	SALES HLF CLASSES	$ 5,914	$ 534	$ (404)	$ (254)	$ 878	$ 11,616	$ 415,889	$ 18,284	LN 144 + LN 146 + LN 148
154	SALES LLF CLASSES	$ 65,590	$ 5,928	$ (4,484)	$ (2,819)	$ 9,741	$ 128,835	$ 4,612,810	$ 202,791	LN 145 + LN 147 + LN 149

155

156 **TOTAL CAPACITY COSTS**

Ln		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	SUMMER	
157										
158	Res Heat	$ 83,557	$ 29,616	$ 20,202	$ 21,708	$ 33,064	$ 140,737	$ 4,461,573	$ 328,884	LN 142 + LN 26
159	Res General	$ 1,315	$ 773	$ 678	$ 694	$ 808	$ 1,890	$ 50,562	$ 6,158	LN 143 + LN 27
160	G50 Low Annual-Low Winter	$ 6,751	$ 4,652	$ 4,286	$ 4,345	$ 4,787	$ 8,976	$ 215,585	$ 33,797	LN 144 + LN 28
161	G40 Low Annual-High Winter	$ 42,882	$ 11,906	$ 6,500	$ 7,365	$ 13,886	$ 75,719	$ 2,500,889	$ 158,259	LN 145 + LN 29
162	G51 Med Annual-Low Winter	$ 9,053	$ 6,303	$ 5,823	$ 5,900	$ 6,478	$ 11,967	$ 284,958	$ 45,523	LN 146 + LN 30
163	G41 Med Annual-High Winter	$ 37,396	$ 11,656	$ 7,164	$ 7,882	$ 13,301	$ 64,683	$ 2,099,329	$ 142,081	LN 147 + LN 31
164	G52 High Annual-Low Winter	$ 1,635	$ 1,105	$ 1,012	$ 1,027	$ 1,138	$ 2,198	$ 53,649	$ 8,115	LN 148 + LN 32
165	G42 High Annual-High Winter	$ 4,432	$ 1,487	$ 973	$ 1,055	$ 1,675	$ 7,555	$ 242,048	$ 17,178	LN 149 + LN 33
166	TOTAL	$ 187,022	$ 67,498	$ 46,638	$ 49,975	$ 75,137	$ 313,725	$ 9,908,593	$ 739,996	Sum LN 158 : LN 165
167										
168	Residential	$ 84,872	$ 30,389	$ 20,880	$ 22,402	$ 33,871	$ 142,628	$ 4,512,136	$ 335,042	LN 158 + LN 159
169	SALES HLF CLASSES	$ 17,439	$ 12,060	$ 11,121	$ 11,271	$ 12,403	$ 23,141	$ 554,192	$ 87,435	LN 160 + LN 162 + LN 164
170	SALES LLF CLASSES	$ 84,711	$ 25,049	$ 14,637	$ 16,303	$ 28,863	$ 147,956	$ 4,842,266	$ 317,519	LN 161 + LN 163 + LN 165
171										
172	% ALLOCATION BETWEEN SALES HLF AND LLF									
173	SALES HLF CLASSES								22%	LN 169 / (LN169 + LN 170)
174	SALES LLF CLASSES								78%	LN 170 / (LN 169 + LN 170)

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

Base Commodity Costs

1	**BASE SENDOUT BY CLASS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
2	**Total Therms**								
3	Res Heat	409,365	396,159	401,430	409,365	396,159	409,365	4,812,004	2,421,843
4	Res General	12,137	11,746	11,902	12,137	11,746	12,137	142,670	71,805
5	G50 Low Annual-Low Winter	74,998	72,578	73,544	74,998	72,578	74,998	881,584	443,694
6	G40 Low Annual-High Winter	148,996	144,190	146,109	148,996	144,190	148,996	1,751,425	881,478
7	G51 Med Annual-Low Winter	101,757	98,474	99,785	101,757	98,474	101,757	1,196,133	602,004
8	G41 Med Annual-High Winter	153,546	148,593	150,571	153,546	148,593	153,546	1,804,907	908,395
9	G52 High Annual-Low Winter	17,751	17,179	17,407	17,751	17,179	17,751	208,663	105,018
10	G42 High Annual-High Winter	20,159	19,509	19,769	20,159	19,509	20,159	236,970	119,265
11	Total Firm Sales	938,709	908,429	920,518	938,709	908,429	938,709	11,034,355	5,553,503
12	**% of Total**								
13	Res Heat	43.61%	43.61%	43.61%	43.61%	43.61%	43.61%		
14	Res General	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%		
15	G50 Low Annual-Low Winter	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%		
16	G40 Low Annual-High Winter	15.87%	15.87%	15.87%	15.87%	15.87%	15.87%		
17	G51 Med Annual-Low Winter	10.84%	10.84%	10.84%	10.84%	10.84%	10.84%		
18	G41 Med Annual-High Winter	16.36%	16.36%	16.36%	16.36%	16.36%	16.36%		
19	G52 High Annual-Low Winter	1.89%	1.89%	1.89%	1.89%	1.89%	1.89%		
20	G42 High Annual-High Winter	2.15%	2.15%	2.15%	2.15%	2.15%	2.15%		
21	Total Firm Sales	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		

22	**BASE COMMODITY COSTS Excld Hedging**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
23	TOTAL BASE COMMODITY Excld Hedging	$ 197,545	$ 215,664	$ 230,401	$ 237,365	$ 207,327	$ 253,733	$ 5,732,736	$ 1,342,034
24	Res Heat	$ 86,148	$ 94,050	$ 100,476	$ 103,513	$ 90,414	$ 110,651	$ 2,500,006	$ 585,251
25	Res General	$ 2,554	$ 2,788	$ 2,979	$ 3,069	$ 2,681	$ 3,281	$ 74,122	$ 17,352
26	G50 Low Annual-Low Winter	$ 15,783	$ 17,230	$ 18,408	$ 18,964	$ 16,564	$ 20,272	$ 458,014	$ 107,221
27	G40 Low Annual-High Winter	$ 31,355	$ 34,231	$ 36,570	$ 37,676	$ 32,908	$ 40,274	$ 909,927	$ 213,014
28	G51 Med Annual-Low Winter	$ 21,414	$ 23,378	$ 24,976	$ 25,731	$ 22,474	$ 27,505	$ 621,433	$ 145,478
29	G41 Med Annual-High Winter	$ 32,313	$ 35,277	$ 37,687	$ 38,826	$ 33,913	$ 41,503	$ 937,713	$ 219,519
30	G52 High Annual-Low Winter	$ 3,736	$ 4,078	$ 4,357	$ 4,489	$ 3,921	$ 4,798	$ 108,408	$ 25,378
31	G42 High Annual-High Winter	$ 4,242	$ 4,632	$ 4,948	$ 5,098	$ 4,452	$ 5,449	$ 123,114	$ 28,821
32									
33	Residential	$ 88,702	$ 96,838	$ 103,455	$ 106,582	$ 93,094	$ 113,932	$ 2,574,128	$ 602,603
34	SALES HLF CLASSES	$ 40,932	$ 44,687	$ 47,740	$ 49,183	$ 42,959	$ 52,575	$ 1,187,855	$ 278,077
35	SALES LLF CLASSES	$ 67,910	$ 74,139	$ 79,205	$ 81,599	$ 71,273	$ 87,226	$ 1,970,754	$ 461,354

36	**NEW HAMPSHIRE BASE HEDGING COMMODITY COSTS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
37	TOTAL BASE HEDGING COMMODITY	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,818	$ -
38	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,537	$ -
39	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ 75	$ -
40	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 465	$ -
41	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 923	$ -
42	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 631	$ -
43	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 952	$ -
44	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 110	$ -
45	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 125	$ -
46									
47	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,612	$ -
48	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,206	$ -
49	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,000	$ -

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	Schedule 10B, LN 52
4	Res General	Schedule 10B, LN 53
5	G50 Low Annual-Low Winter	Schedule 10B, LN 54
6	G40 Low Annual-High Winter	Schedule 10B, LN 55
7	G51 Med Annual-Low Winter	Schedule 10B, LN 56
8	G41 Med Annual-High Winter	Schedule 10B, LN 57
9	G52 High Annual-Low Winter	Schedule 10B, LN 58
10	G42 High Annual-High Winter	Schedule 10B, 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 Excld Hedging**	
23	TOTAL BASE COMMODITY Excld Hedging	Schedule 1B, LN 37
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

36	**NEW HAMPSHIRE BASE HEDGING COMMODITY COSTS**	
37	TOTAL BASE HEDGING COMMODITY	Schedule 1B, LN 38
38	Res Heat	LN 37 * LN 13
39	Res General	LN 37 * LN 14
40	G50 Low Annual-Low Winter	LN 37 * LN 15
41	G40 Low Annual-High Winter	LN 37 * LN 16
42	G51 Med Annual-Low Winter	LN 37 * LN 17
43	G41 Med Annual-High Winter	LN 37 * LN 18
44	G52 High Annual-Low Winter	LN 37 * LN 19
45	G42 High Annual-High Winter	LN 37 * LN 20
46		
47	Residential	LN 38 + LN 39
48	SALES HLF CLASSES	LN 40 + LN 42 + LN 44
49	SALES LLF CLASSES	LN 41 + LN 43 + LN 45

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

Remaining Commodity Costs

		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	Summer
50	**REMAINING SENDOUT BY CLASS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
51	**Total Therms**								
52	Res Heat	254,111	45,811	-	7,934	60,668	445,798	13,084,296	814,322
53	Res General	7,534	1,358	-	235	1,799	13,218	148,510	24,144
54	G50 Low Annual-Low Winter	46,557	8,391	-	1,453	11,114	81,676	561,256	149,190
55	G40 Low Annual-High Winter	92,493	16,669	-	2,887	22,079	162,264	7,314,309	296,393
56	G51 Med Annual-Low Winter	63,168	11,384	-	1,972	15,079	110,818	761,081	202,421
57	G41 Med Annual-High Winter	95,318	17,178	-	2,975	22,753	167,219	5,915,998	305,444
58	G52 High Annual-Low Winter	11,020	1,986	-	344	2,630	19,332	156,963	35,312
59	G42 High Annual-High Winter	12,514	2,255	-	391	2,987	21,954	696,856	40,102
60	Total Firm Sales	582,716	105,033	-	18,192	139,110	1,022,278	28,639,269	1,867,328
61	**% of Total**								
62	Res Heat	43.61%	43.62%	43.62%	43.62%	43.61%	43.61%		
63	Res General	1.29%	1.29%	1.29%	1.29%	1.29%	1.29%		
64	G50 Low Annual-Low Winter	7.99%	7.99%	7.99%	7.99%	7.99%	7.99%		
65	G40 Low Annual-High Winter	15.87%	15.87%	15.87%	15.87%	15.87%	15.87%		
66	G51 Med Annual-Low Winter	10.84%	10.84%	10.84%	10.84%	10.84%	10.84%		
67	G41 Med Annual-High Winter	16.36%	16.36%	16.36%	16.36%	16.36%	16.36%		
68	G52 High Annual-Low Winter	1.89%	1.89%	1.89%	1.89%	1.89%	1.89%		
69	G42 High Annual-High Winter	2.15%	2.15%	2.15%	2.15%	2.15%	2.15%		
70	Total Firm Sales	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%		

71	**REMAINING COMMODITY COSTS EXCLD HEDGING**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
72	REMAINING COMMODITY Excld Hedging	$ 132,703	$ 34,005	$ 8,844	$ 13,391	$ 40,060	$ 284,770	$ 21,564,845	$ 513,774
73	Res Heat	$ 57,869	$ 14,831	$ 3,858	$ 5,841	$ 17,471	$ 124,183	$ 9,869,408	$ 224,053
74	Res General	$ 1,716	$ 440	$ 114	$ 173	$ 518	$ 3,682	$ 105,426	$ 6,643
75	G50 Low Annual-Low Winter	$ 10,602	$ 2,716	$ 707	$ 1,070	$ 3,200	$ 22,752	$ 372,789	$ 41,048
76	G40 Low Annual-High Winter	$ 21,064	$ 5,397	$ 1,404	$ 2,125	$ 6,358	$ 45,201	$ 5,587,420	$ 81,549
77	G51 Med Annual-Low Winter	$ 14,385	$ 3,686	$ 959	$ 1,451	$ 4,342	$ 30,870	$ 505,463	$ 55,693
78	G41 Med Annual-High Winter	$ 21,707	$ 5,562	$ 1,447	$ 2,190	$ 6,552	$ 46,581	$ 4,490,167	$ 84,039
79	G52 High Annual-Low Winter	$ 2,509	$ 643	$ 167	$ 253	$ 758	$ 5,385	$ 107,092	$ 9,716
80	G42 High Annual-High Winter	$ 2,850	$ 730	$ 190	$ 288	$ 860	$ 6,116	$ 527,080	$ 11,034
81									
82	Residential	$ 59,585	$ 15,271	$ 3,972	$ 6,014	$ 17,989	$ 127,865	$ 9,974,833	$ 230,696
83	SALES HLF CLASSES	$ 27,497	$ 7,045	$ 1,832	$ 2,774	$ 8,300	$ 59,007	$ 985,345	$ 106,457
84	SALES LLF CLASSES	$ 45,620	$ 11,689	$ 3,040	$ 4,603	$ 13,771	$ 97,898	$ 10,604,667	$ 176,621

85	**REMAINING COMMODITY HEDGING COSTS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
86	TOTAL REMAINING COMMODITY HEDGING	$ -	$ -	$ -	$ -	$ -	$ -	$ 22,117	$ -
87	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,129	$ -
88	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ 105	$ -
89	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 361	$ -
90	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,765	$ -
91	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 489	$ -
92	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,620	$ -
93	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 105	$ -
94	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 542	$ -
95								$ -	$ -
96	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,235	$ -
97	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 955	$ -
98	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 10,927	$ -

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

Remaining Commodity Costs

50	**REMAINING SENDOUT BY CLASS**	
51	**Total Therms**	
52	Res Heat	Schedule 10B, LN 68
53	Res General	Schedule 10B, LN 69
54	G50 Low Annual-Low Winter	Schedule 10B, LN 70
55	G40 Low Annual-High Winter	Schedule 10B, LN 71
56	G51 Med Annual-Low Winter	Schedule 10B, LN 72
57	G41 Med Annual-High Winter	Schedule 10B, LN 73
58	G52 High Annual-Low Winter	Schedule 10B, LN 74
59	G42 High Annual-High Winter	Schedule 10B, LN 75
60	Total Firm Sales	Sum LN 52 : LN 59
61	**% of Total**	
62	Res Heat	LN 52 / LN 60, Jul/Aug calculated together
63	Res General	LN 53 / LN 60, Jul/Aug calculated together
64	G50 Low Annual-Low Winter	LN 54 / LN 60, Jul/Aug calculated together
65	G40 Low Annual-High Winter	LN 55 / LN 60, Jul/Aug calculated together
66	G51 Med Annual-Low Winter	LN 56 / LN 60, Jul/Aug calculated together
67	G41 Med Annual-High Winter	LN 57 / LN 60, Jul/Aug calculated together
68	G52 High Annual-Low Winter	LN 58 / LN 60, Jul/Aug calculated together
69	G42 High Annual-High Winter	LN 59 / LN 60, Jul/Aug calculated together
70	Total Firm Sales	Sum LN 62 : LN 69

71	**REMAINING COMMODITY COSTS EXCLD HEDGING**	
72	REMAINING COMMODITY Excld Hedging	Schedule 1B, LN 39
73	Res Heat	LN 72 * LN 62
74	Res General	LN 72 * LN 63
75	G50 Low Annual-Low Winter	LN 72 * LN 64
76	G40 Low Annual-High Winter	LN 72 * LN 65
77	G51 Med Annual-Low Winter	LN 72 * LN 66
78	G41 Med Annual-High Winter	LN 72 * LN 67
79	G52 High Annual-Low Winter	LN 72 * LN 68
80	G42 High Annual-High Winter	LN 72 * LN 69
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

85	**REMAINING COMMODITY HEDGING COSTS**	
86	TOTAL REMAINING COMMODITY HEDGING	Schedule 1B, LN 40
87	Res Heat	LN 86 * LN 62
88	Res General	LN 86 * LN 63
89	G50 Low Annual-Low Winter	LN 86 * LN 64
90	G40 Low Annual-High Winter	LN 86 * LN 65
91	G51 Med Annual-Low Winter	LN 86 * LN 66
92	G41 Med Annual-High Winter	LN 86 * LN 67
93	G52 High Annual-Low Winter	LN 86 * LN 68
94	G42 High Annual-High Winter	LN 86 * LN 69
95		
96	Residential	LN 87 + LN 88
97	SALES HLF CLASSES	LN 89 + LN 91 + LN 93
98	SALES LLF CLASSES	LN 90 + LN 92 + LN 94

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

Total Commodity Costs

99	**TOTAL COMMODITY COSTS Excluding Hedging**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
100	TOTAL COMMODITY Excld Hedging	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,297,581	$ 1,855,808
101	Res Heat	$ 144,017	$ 108,881	$ 104,333	$ 109,354	$ 107,885	$ 234,835	$ 12,369,413	$ 809,304
102	Res General	$ 4,270	$ 3,228	$ 3,093	$ 3,242	$ 3,199	$ 6,963	$ 179,548	$ 23,995
103	G50 Low Annual-Low Winter	$ 26,385	$ 19,947	$ 19,114	$ 20,034	$ 19,765	$ 43,024	$ 830,803	$ 148,269
104	G40 Low Annual-High Winter	$ 52,419	$ 39,628	$ 37,974	$ 39,801	$ 39,266	$ 85,475	$ 6,497,347	$ 294,563
105	G51 Med Annual-Low Winter	$ 35,799	$ 27,064	$ 25,934	$ 27,182	$ 26,817	$ 58,375	$ 1,126,896	$ 201,171
106	G41 Med Annual-High Winter	$ 54,020	$ 40,838	$ 39,134	$ 41,016	$ 40,465	$ 88,085	$ 5,427,879	$ 303,557
107	G52 High Annual-Low Winter	$ 6,245	$ 4,721	$ 4,524	$ 4,742	$ 4,678	$ 10,183	$ 215,500	$ 35,094
108	G42 High Annual-High Winter	$ 7,092	$ 5,362	$ 5,138	$ 5,385	$ 5,313	$ 11,565	$ 650,195	$ 39,855
109									
110	Residential	$ 148,287	$ 112,109	$ 107,427	$ 112,596	$ 111,083	$ 241,797	$ 12,548,961	$ 833,299
111	SALES HLF CLASSES	$ 68,430	$ 51,732	$ 49,573	$ 51,958	$ 51,260	$ 111,582	$ 2,173,199	$ 384,534
112	SALES LLF CLASSES	$ 113,531	$ 85,828	$ 82,246	$ 86,202	$ 85,044	$ 185,124	$ 12,575,421	$ 637,975
113	**TOTAL HEDGING COMMODITY COSTS**	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
114	TOTAL HEDGING COMMODITY	$ -	$ -	$ -	$ -	$ -	$ -	$ 27,935	$ -
115	Res Heat	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,667	$ -
116	Res General	$ -	$ -	$ -	$ -	$ -	$ -	$ 181	$ -
117	G50 Low Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 826	$ -
118	G40 Low Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,688	$ -
119	G51 Med Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,120	$ -
120	G41 Med Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,572	$ -
121	G52 High Annual-Low Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 215	$ -
122	G42 High Annual-High Winter	$ -	$ -	$ -	$ -	$ -	$ -	$ 667	$ -
123									
124	Residential	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,847	$ -
125	SALES HLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,161	$ -
126	SALES LLF CLASSES	$ -	$ -	$ -	$ -	$ -	$ -	$ 12,927	$ -
127	TOTAL COMMODITY	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
128	Res Heat	$ 144,017	$ 108,881	$ 104,333	$ 109,354	$ 107,885	$ 234,835	$ 12,382,080	$ 809,304
129	Res General	$ 4,270	$ 3,228	$ 3,093	$ 3,242	$ 3,199	$ 6,963	$ 179,729	$ 23,995
130	G50 Low Annual-Low Winter	$ 26,385	$ 19,947	$ 19,114	$ 20,034	$ 19,765	$ 43,024	$ 831,629	$ 148,269
131	G40 Low Annual-High Winter	$ 52,419	$ 39,628	$ 37,974	$ 39,801	$ 39,266	$ 85,475	$ 6,504,035	$ 294,563
132	G51 Med Annual-Low Winter	$ 35,799	$ 27,064	$ 25,934	$ 27,182	$ 26,817	$ 58,375	$ 1,128,016	$ 201,171
133	G41 Med Annual-High Winter	$ 54,020	$ 40,838	$ 39,134	$ 41,016	$ 40,465	$ 88,085	$ 5,433,451	$ 303,557
134	G52 High Annual-Low Winter	$ 6,245	$ 4,721	$ 4,524	$ 4,742	$ 4,678	$ 10,183	$ 215,715	$ 35,094
135	G42 High Annual-High Winter	$ 7,092	$ 5,362	$ 5,138	$ 5,385	$ 5,313	$ 11,565	$ 650,861	$ 39,855
136	Total Firm Sales	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 27,325,516	$ 1,855,808
137									
138	Residential	$ 148,287	$ 112,109	$ 107,427	$ 112,596	$ 111,083	$ 241,797	$ 12,561,808	$ 833,299
139	SALES HLF CLASSES	$ 68,430	$ 51,732	$ 49,573	$ 51,958	$ 51,260	$ 111,582	$ 2,175,360	$ 384,534
140	SALES LLF CLASSES	$ 113,531	$ 85,828	$ 82,246	$ 86,202	$ 85,044	$ 185,124	$ 12,588,347	$ 637,975
141									
142	% ALLOCATION BETWEEN SALES HLF AND LLF								
143	SALES HLF CLASSES								37.61%
144	SALES LLF CLASSES								62.39%

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

Total Commodity Costs

99	**TOTAL COMMODITY COSTS Excluding Hedging**	
100	TOTAL COMMODITY Excld Hedging	Schedule 1B, LN 41
101	Res Heat	LN 24 + LN 73
102	Res General	LN 25 + LN 74
103	G50 Low Annual-Low Winter	LN 26 + LN 75
104	G40 Low Annual-High Winter	LN 27 + LN 76
105	G51 Med Annual-Low Winter	LN 28 + LN 77
106	G41 Med Annual-High Winter	LN 29 + LN 78
107	G52 High Annual-Low Winter	LN 30 + LN 79
108	G42 High Annual-High Winter	LN 31 + LN 80
109		
110	Residential	LN 101 + LN 102
111	SALES HLF CLASSES	LN 103 + LN 105 + LN 107
112	SALES LLF CLASSES	LN 104 + LN 106 + LN 108
113	**TOTAL HEDGING COMMODITY COSTS**	
114	TOTAL HEDGING COMMODITY	Schedule 1B, LN 42
115	Res Heat	LN 38 + LN 87
116	Res General	LN 39 + LN 88
117	G50 Low Annual-Low Winter	LN 40 + LN 89
118	G40 Low Annual-High Winter	LN 41 + LN 90
119	G51 Med Annual-Low Winter	LN 42 + LN 91
120	G41 Med Annual-High Winter	LN 43 + LN 92
121	G52 High Annual-Low Winter	LN 44 + LN 93
122	G42 High Annual-High Winter	LN 45 + LN 94
123		
124	Residential	LN 115 + LN 116
125	SALES HLF CLASSES	LN 117 + LN 119 + LN 121
126	SALES LLF CLASSES	LN 118 + LN 120 + LN 122
127	**TOTAL COMMODITY**	
128	Res Heat	LN 101 + LN 115
129	Res General	LN 102 + LN 116
130	G50 Low Annual-Low Winter	LN 103 + LN 117
131	G40 Low Annual-High Winter	LN 104 + LN 118
132	G51 Med Annual-Low Winter	LN 105 + LN 119
133	G41 Med Annual-High Winter	LN 106 + LN 120
134	G52 High Annual-Low Winter	LN 107 + LN 121
135	G42 High Annual-High Winter	LN 108 + LN 122
136	Total Firm Sales	Sum LN 128 : LN 135
137		
138	Residential	LN 128 + LN 129
139	SALES HLF CLASSES	LN 130 + LN 132 + LN 134
140	SALES LLF CLASSES	LN 131 + LN 133 + LN 135
141		
142	% ALLOCATION BETWEEN SALES HLF AND LLF	
143	SALES HLF CLASSES	LN 139 / (LN 139 + LN 140)
144	SALES LLF CLASSES	LN 140 / (LN 139 + LN 140)

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	$ 8,782,311
Storage Demand	$ 27,981,449
Peaking Demand	$ 4,762,011
Subtotal Demand	$ 41,525,771
Capacity Release (Credit)	$ (147,616)
Asset Management (Credit)	$ (10,245,440)
Total Net Demand Costs	$ 31,132,715

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	1,008,009	1,042,708	992,395	867,776	982,738	784,754	602,881	430,805	387,566	393,070	470,187	697,279	8,660,168
Rank	2	1	3	5	4	6	8	10	12	11	9	7	
% Max Month	96.67%	100.00%	95.17%	83.22%	94.25%	75.26%	57.82%	41.32%	37.17%	37.70%	45.09%	66.87%	
PR	0.75%	3.33%	0.31%	1.59%	2.76%	1.40%	1.59%	0.36%	3.10%	0.05%	0.42%	1.29%	16.94%
CumPR	13.62%	16.94%	12.87%	9.80%	12.56%	8.21%	5.52%	3.51%	3.10%	3.15%	3.93%	6.81%	100.00%
Product and Pipeline Demand Costs	$ 1,195,749	$ 1,488,000	$ 1,129,995	$ 860,812	$ 1,102,880	$ 720,959	$ 484,582	$ 308,023	$ 272,026	$ 276,241	$ 344,879	$ 598,165	$ 8,782,311

Allocation of Storage Injection Fees to Months

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Storage Injection Volume	-	-	-	-	-	29,679	30,668	29,679	30,668	30,668	29,679	30,668	211,710
Design Year Pipeline Sendout	1,008,009	1,042,708	992,395	867,776	982,738	784,754	602,881	430,805	387,566	393,070	470,187	697,279	8,660,168
% of Deliveries Injected	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	4.8%	6.4%	7.3%	7.2%	5.9%	4.2%	2.4%
Injection Fees	$ -	$ -	$ -	$ -	$ -	$ 26,273	$ 23,457	$ 19,853	$ 19,947	$ 19,993	$ 20,477	$ 25,201	$ 155,200

Allocation of Storage Demand Costs to Months

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Design Year Storage	235,853	766,685	934,239	814,550	512,843	-	-	-	-	-	-	-	3,264,169
Rank	5	3	1	2	4	6	6	6	6	6	6	6	
% Max Month	25.25%	82.07%	100.00%	87.19%	54.89%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
PR	5.05%	9.06%	12.81%	2.56%	7.41%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	36.89%
CumPR	5.05%	21.52%	36.89%	24.08%	12.46%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%
Storage Demand Costs	$ 1,412,808	$ 6,021,125	$ 10,322,747	$ 6,737,924	$ 3,486,845	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 27,981,449
Plus Injection Fees	$ -	$ -	$ -	$ -	$ -	$ 26,273	$ 23,457	$ 19,853	$ 19,947	$ 19,993	$ 20,477	$ 25,201	$ 155,200
TOTAL	$ 1,412,808	$ 6,021,125	$ 10,322,747	$ 6,737,924	$ 3,486,845	$ 26,273	$ 23,457	$ 19,853	$ 19,947	$ 19,993	$ 20,477	$ 25,201	$ 28,136,649

Allocation of Peaking Demand Costs to Months

	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Annual
Design Year Peaking Volumes	2,100	24,211	181,784	139,277	12,222	2,100	2,170	2,100	2,170	2,170	2,100	2,170	374,575
Rank	12	3	1	2	4	11	8	10	7	6	9	5	
% Max Month	1.16%	13.32%	100.00%	76.62%	6.72%	1.16%	1.19%	1.16%	1.19%	1.19%	1.16%	1.19%	
PR	0.10%	2.20%	23.38%	31.65%	1.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	58.71%
CumPR	0.10%	3.68%	58.71%	35.33%	1.48%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%	100.00%
Peaking Demand Costs	$ 4,584	$ 175,333	$ 2,795,984	$ 1,682,456	$ 70,647	$ 4,584	$ 4,814	$ 4,584	$ 4,814	$ 4,814	$ 4,584	$ 4,814	$ 4,762,011

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

LN		
1		
2		`
3	Pipeline Demand	Schedule 5A, PG 1, LN 1
4	Storage Demand	Schedule 5A, PG 1, LN 2 & 3
5	Peaking Demand	Schedule 5A, PG 1, LN 4 & 5
6	Subtotal Demand	Sum LN 3 : LN 5
7		
8	Capacity Release (Credit)	Schedule 5A, PG 6
9	Asset Management (Credit)	Schedule 5A, PG 6
10	Total Net Demand Costs	Sum LN 6 : LN 9
11		
12		
13	**Proportional Responsibility (PR) Allocators**	
14		
15	**Allocation of Product and Pipeline Demand Costs (including Injections) to Months**	
16		
17	Design Year Pipeline Sendout	Company Analysis
18	Rank	LN 17 Ranking
19	% Max Month	LN 17 / LN 17 MAX
20	PR	The difference between LN 19 for the month and LN 19 for next highest rank
21	CumPR	Cumulative Values, LN 20
22	Product and Pipeline Demand Costs	LN 21 * LN 3
23		
24	**Allocation of Storage Injection Fees to Months**	
25		
26	Storage Injection Volume	Company Analysis
27	Design Year Pipeline Sendout	LN 17
28	% of Deliveries Injected	LN 26 / Sum (LN 26 : LN 27)
29	Injection Fees	LN 28 * LN 22
30		
31	**Allocation of Storage Demand Costs to Months**	
32		
33	Design Year Storage	Company Analysis
34	Rank	LN 33 Ranking
35	% Max Month	LN 33 / LN 33 MAX
36	PR	The difference between LN 35 for the month and LN 35 for next highest rank
37	CumPR	Cumulative Values, LN 36
38	Storage Demand Costs	LN 37 * LN 4
39	Plus Injection Fees	LN 29
40	TOTAL	LN 38 + LN 39
41		
42	**Allocation of Peaking Demand Costs to Months**	
43		
44	Design Year Peaking Volumes	Company Analysis
45	Rank	Rank LN 44
46	% Max Month	LN 44 / LN 44 MAX
47	PR	The difference between LN 46 for the month and LN 46 for next highest rank
48	CumPR	Cumulative Values, LN 47
49	Peaking Demand Costs	LN 48 * LN 5

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

	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual
Pipeline & Product Demand	$ 1,195,749	$ 1,488,000	$ 1,129,995	$ 860,812	$ 1,102,880	$ 720,959	$ 484,582	$ 308,023	$ 272,026	$ 276,241	$ 344,879	$ 598,165	$ 8,782,311
Storage Incld Inj Fees	$ 1,412,808	$ 6,021,125	$ 10,322,747	$ 6,737,924	$ 3,486,845	$ 26,273	$ 23,457	$ 19,853	$ 19,947	$ 19,993	$ 20,477	$ 25,201	$ 28,136,649
Peaking	$ 4,584	$ 175,333	$ 2,795,984	$ 1,682,456	$ 70,647	$ 4,584	$ 4,814	$ 4,584	$ 4,814	$ 4,814	$ 4,584	$ 4,814	$ 4,762,011
Less Injection Fees	$ -	$ -	$ -	$ -	$ -	$ (26,273)	$ (23,457)	$ (19,853)	$ (19,947)	$ (19,993)	$ (20,477)	$ (25,201)	$ (155,200)
Less: Capacity Release	$ (29,523)	$ (29,523)	$ (29,523)	$ (29,523)	$ (29,523)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (147,616)
Less: Asset Mgmt	$ (1,707,573)	$ (1,707,573)	$ (1,707,573)	$ (1,707,573)	$ (1,707,573)	$(1,707,573)	$ -	$ -	$ -	$ -	$ -	$ -	$ (10,245,440)
Total Demand	$ 876,045	$ 5,947,362	$ 12,511,629	$ 7,544,096	$ 2,923,275	$ (982,030)	$ 489,396	$ 312,607	$ 276,840	$ 281,054	$ 349,463	$ 602,978	$ 31,132,715

Capacity Cost Allocator based on Design Year Firm Sendout

	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual
Therms													
Maine	667,393	960,802	1,093,905	948,177	788,725	410,547	328,696	243,924	222,698	225,304	262,650	370,667	6,523,488
New Hampshire	578,569	872,802	1,014,514	873,426	719,078	376,307	276,355	188,981	167,038	169,936	209,637	328,782	5,775,425
Total	1,245,962	1,833,604	2,108,419	1,821,603	1,507,803	786,854	605,051	432,905	389,736	395,240	472,287	699,449	12,298,913

Percentage of Total	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual
Maine	53.56%	52.40%	51.88%	52.05%	52.31%	52.18%	54.33%	56.35%	57.14%	57.00%	55.61%	52.99%	52.34%
New Hampshire	46.44%	47.60%	48.12%	47.95%	47.69%	47.82%	45.67%	43.65%	42.86%	43.00%	44.39%	47.01%	47.66%
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	$469,249	$3,116,396	$6,491,373	$3,926,837	$1,529,152	($512,382)	$265,866	$176,141	$158,188	$160,213	$194,345	$319,543	$16,294,922
New Hampshire	$406,796	$2,830,965	$6,020,256	$3,617,259	$1,394,123	($469,648)	$223,530	$136,466	$118,651	$120,841	$155,118	$283,435	$14,837,793
Total	$ 876,045	$ 5,947,362	$ 12,511,629	$ 7,544,096	$ 2,923,275	$ (982,030)	$ 489,396	$ 312,607	$ 276,840	$ 281,054	$ 349,463	$ 602,978	$ 31,132,715

Detailed Allocation of Demand Costs by Division

Maine	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	
Pipeline & Product Demand	$ 640,497	$ 779,707	$ 586,272	$ 448,068	$ 576,912	$ 376,166	$ 263,251	$ 173,558	$ 155,438	$ 157,469	$ 191,795	$ 316,992	$ 4,666,125	53.13%
Storage Incld Injection Fees	$ 756,763	$ 3,155,048	$ 5,355,721	$ 3,507,210	$ 1,823,953	$ 13,708	$ 12,743	$ 11,186	$ 11,398	$ 11,397	$ 11,388	$ 13,355	$ 14,683,870	52.19%
Peaking	$ 2,456	$ 91,874	$ 1,450,632	$ 875,749	$ 36,955	$ 2,392	$ 2,615	$ 2,583	$ 2,750	$ 2,744	$ 2,549	$ 2,551	$ 2,475,850	51.99%
Less: Injection Fees	$ -	$ -	$ -	$ -	$ -	$ (13,708)	$ (12,743)	$ (11,186)	$ (11,398)	$ (11,397)	$ (11,388)	$ (13,355)	$ (85,175)	54.88%
Capacity Release (Credit)	$ (15,814)	$ (15,470)	$ (15,317)	$ (15,367)	$ (15,443)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (77,412)	52.44%
Asset Management (Credit)	$ (914,653)	$ (894,762)	$ (885,935)	$ (888,823)	$ (893,224)	$ (890,939)	$ -	$ -	$ -	$ -	$ -	$ -	$ (5,368,336)	52.40%
Total Allocated Demand	$ 469,249	$ 3,116,396	$ 6,491,373	$ 3,926,837	$ 1,529,152	$ (512,382)	$ 265,866	$ 176,141	$ 158,188	$ 160,213	$ 194,345	$ 319,543	$ 16,294,922	52.34%

New Hampshire	Nov-14	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	
Pipeline & Product Demand	$ 555,253	$ 708,293	$ 543,723	$ 412,744	$ 525,969	$ 344,793	$ 221,331	$ 134,465	$ 116,588	$ 118,771	$ 153,083	$ 281,172	$ 4,116,186	46.87%
Storage Incld Injection Fees	$ 656,045	$ 2,866,077	$ 4,967,026	$ 3,230,714	$ 1,662,892	$ 12,565	$ 10,714	$ 8,666	$ 8,549	$ 8,596	$ 9,089	$ 11,846	$ 13,452,779	47.81%
Peaking	$ 2,129	$ 83,459	$ 1,345,352	$ 806,708	$ 33,692	$ 2,192	$ 2,199	$ 2,001	$ 2,063	$ 2,070	$ 2,035	$ 2,263	$ 2,286,161	48.01%
Less: Injection Fees	$ -	$ -	$ -	$ -	$ -	$ (12,565)	$ (10,714)	$ (8,666)	$ (8,549)	$ (8,596)	$ (9,089)	$ (11,846)	$ (70,025)	
Capacity Release	$ (13,709)	$ (14,053)	$ (14,206)	$ (14,156)	$ (14,080)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ (70,204)	47.56%
Asset Management	$ (792,921)	$ (812,811)	$ (821,638)	$ (818,751)	$ (814,349)	$ (816,634)	$ -	$ -	$ -	$ -	$ -	$ -	$ (4,877,104)	47.60%
Total Allocated Demand	$ 406,796	$ 2,830,965	$ 6,020,256	$ 3,617,259	$ 1,394,123	$ (469,648)	$ 223,530	$ 136,466	$ 118,651	$ 120,841	$ 155,118	$ 283,435	$ 14,837,793	47.66%

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

50	Pipeline & Product Demand	LN 22
51	Storage	LN 40
52	Peaking	LN 49
53	Less: Injection Fees	-(LN 29)
54	Less: Capacity Release	-(LN 8 / 5)
55	Less: Asset Management	-(LN 9 / 6)
56	Total Demand	Sum (LN 50 : LN 55)
57		
58	**Capacity Cost Allocator based on Design Year Firm Sendout**	
59		
60	**Therms**	
61	Maine	Company Analysis
62	New Hampshire	Company Analysis
63	Total	LN 61 + LN 62
64	**Percentage of Total**	
65	Maine	LN 61 / LN 63
66	New Hampshire	LN 62 / LN 63
67	Total	LN 65 + LN 66
68		
69	**Allocation of Demand Costs by Division**	
70	Maine	LN 56 * LN 65
71	New Hampshire	LN 56 * LN 66
72	Total	LN 70 + LN 71
73	**Detailed Allocation of Demand Costs by Division**	
74	**Maine**	
75	Pipeline & Product Demand	LN 50 * LN 65
76	Storage	LN 51 * LN 65
77	Peaking	LN 52 * LN 65
78	Injection Fees	LN 53 * LN 65
79	Capacity Release (Credit)	LN 54 * LN 65
80	Asset Management (Credit)	LN 55 * LN 65
81	**Total Allocated Demand**	Sum (LN 75 : LN 80)
82		
83	**New Hampshire**	
84	Pipeline & Product Demand	LN 50 * LN 66
85	Storage	LN 51 * LN 66
86	Peaking	LN 52 * LN 66
87	Injection Fees	LN 53 * LN 66
88	Capacity Release	LN 54 * LN 66
89	Asset Management (Credit)	LN 55 * LN 66
90	**Total Allocated Demand**	Sum (LN 84 : LN 89)

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

		May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	Summer
1	**Supply Volumes - MMBtu**								
2	Total Pipeline	379,995	257,838	237,478	239,984	267,775	479,951	7,082,043	1,863,021
3	Total Storage	0	0	0	0	0	0	1,456,132	0
4	Total Peaking	2,170	2,100	2,170	2,170	2,100	2,170	208,643	12,880
5	Total Off-system Sales							(105,967)	
6	Subtotal	382,165	259,938	239,648	242,154	269,875	482,121	8,640,851	1,875,901
7	Less Interruptible - Maine	0	0	0	0	0	0	0	0
8	Less Interruptible - New Hampshire	0	0	0	0	0	0	0	0
9	Total Firm Supply	382,165	259,938	239,648	242,154	269,875	482,121	8,640,851	1,875,901
10	Total Firm Pipeline Sendout	379,995	257,838	237,478	239,984	267,775	479,951	7,082,043	1,863,021
11	**Variable Costs**								
12	Pipeline Costs Modeled in Sendout™	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 48,573,020	$ 4,521,452
13	NYMEX Price Used for Forecast	$2.605	$2.654	$2.714	$2.747	$2.754	$2.783		
14	NYMEX Price Used for Update	$2.605	$2.654	$2.714	$2.747	$2.754	$2.783		
15	Increase/(Decrease) NYMEX Price	$0.000	$0.000	$0.000	$0.000	$0.000	$0.000		
16	Increase/(Decrease) in Pipeline Costs	$ -	$ -	$ -	$ -	$ -	$ -		
17	Total Updated Pipeline Costs	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 47,460,524	$ 4,521,452
18									
19	Total Pipeline	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 47,460,524	$ 4,521,452
20	Total Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,439,906	$ -
21	Total Peaking	$ 30,096	$ 28,564	$ 28,801	$ 28,095	$ 26,504	$ 26,883	$ 4,114,076	$ 168,944
22	Total Off-sytem Sales							$ (871,801)	
23									
24	Subtotal	$ 829,768	$ 640,681	$ 623,196	$ 634,926	$ 637,636	$ 1,324,189	$ 57,142,705	$ 4,690,396
25									
26	Hedging Expense & (Gain)/Loss Estimate								
27	NYMEX Options Contracts								
28	Number of contracts	-	-	-	-	-	-	54	-
29	Option Contract Price								
30	Hedging Expense							$ 58,460	
31	NYMEX Option Strike Price	$ -	$ -	$ -	$ -	$ -	$ -		
32	NYMEX Price Used for Forecast	$ 2.605	$ 4.579	$ 4.579	$ 4.579	$ 4.579	$ 4.579		
33	Strike Price Hit	$ 2.605	$ 4.579	$ 4.579	$ 4.579	$ 4.579	$ 4.579		
34	Option Hedging Gain (Credit)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	
35	Total Option Cost	$ -	$ -	$ -	$ -	$ -	$ -	$ 58,460	$ -
36									
37	Interruptible Cost Estimate								
38	Variable Pipeline Costs Excld Hedges	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 47,460,524	$ 4,521,452
39	Average Supply Cost ($/MMBtu)	$ 2.104	$ 2.374	$ 2.503	$ 2.529	$ 2.282	$ 2.703		
40	Interruptible Cost - Maine	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
41	Interruptible Cost - New Hampshire	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
42									
43	Firm Sales Pipeline Commodity Excld Hedge	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 47,460,524	$ 4,521,452
44	Total Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,439,906	$ -
45	Total Peaking	$ 30,096	$ 28,564	$ 28,801	$ 28,095	$ 26,504	$ 26,883	$ 4,114,076	$ 168,944
46	Off-system Sales							$ (871,801)	
47	Firm Sales Variable Costs Excld Hedge	$ 829,768	$ 640,681	$ 623,196	$ 634,926	$ 637,636	$ 1,324,189	$ 57,142,705	$ 4,690,396
48	Plus Net Hedging Expense / (Gain)	$ -	$ -	$ -	$ -	$ -	$ -	$ 58,460	$ -
49	Total Firm Sales Variable Costs	$ 829,768	$ 640,681	$ 623,196	$ 634,926	$ 637,636	$ 1,324,189	$ 57,201,165	$ 4,690,396

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

1	Supply Volumes - MMBtu	
2	Total Pipeline	Schedule 6A, page 2
3	Total Storage	Schedule 6A, page 2
4	Total Peaking	Schedule 6A, page 2
5	Total Off-system Sales	Attachment NUI-CAK-15, Page 2
6	Subtotal	SUM LN 2: LN 4
7	Less Interruptible - Maine	Company Analysis
8	Less Interruptible - New Hampshire	Company Analysis
9	Total Firm Supply	LN 6 - LN 7 - LN 8
10	Total Firm Pipeline Sendout	LN 2 - LN 7 - LN 8
11	Variable Costs	
12	Pipeline Costs Modeled in Sendout™	0
13	NYMEX Price Used for Forecast	Attachment to Schedule 5A, PG 1, LN 21
14	NYMEX Price Used for Update	Attachment to Schedule 5A, PG 1, LN 21
15	Increase/(Decrease) NYMEX Price	LN 14 - LN 13
16	Increase/(Decrease) in Pipeline Costs	LN 2 * LN 15
17	Total Updated Pipeline Costs	LN 16 + LN 12
18		
19	Total Pipeline	LN 17
20	Total Storage	LN 3
21	Total Peaking	LN 4
22	Total Off-sytem Sales	LN 5
23		
24	Subtotal	Sum LN 18 : LN 20
25		
26	Hedging Expense & (Gain)/Loss Estimate	
27	NYMEX Options Contracts	
28	Number of contracts	Company Analysis
29	Option Contract Price	Company Analysis
30	Hedging Expense	Company Analysis
31	NYMEX Option Strike Price	Company Analysis
32	NYMEX Price Used for Forecast	Line 13
33	NYMEX Price Used for Update	Line 14
34	Option Hedging Gain (Credit)	LN 33 - LN 32
35	Total Option Cost	(LN 31 - LN 32 - LN 34) * LN 28*10,000
36		
37	Interruptible Cost Estimate	
38	Variable Pipeline Costs Excld Hedges	LN 17
39	Average Supply Cost ($/MMBtu)	LN 38 / LN 2
40	Interruptible Cost - Maine	LN 39 * LN 7
41	Interruptible Cost - New Hampshire	LN 39 * LN 8
42		
43	Firm Sales Pipeline Commodity Excld Hedge	LN 38 - LN 40 - LN 41
44	Total Storage	LN 20
45	Total Peaking	LN 21
46	Off-system Sales	LN 22
47	Firm Sales Variable Costs Excld Hedge	Sum LN 43 : LN 46
48	Plus Net Hedging Expense / (Gain)	LN 35
49	Total Firm Sales Variable Costs	LN 47 + LN 48

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

Commodity Allocation Factors

Firm Sales Sendout for Normal Winter, MMBtu

	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	Summer
Maine	230,126	158,721	147,729	146,601	165,247	286,112	4,678,827	1,134,535
New Hampshire	152,143	101,346	92,052	95,690	104,754	196,099	3,967,362	742,083
Total	382,268	260,067	239,780	242,292	270,001	482,210	8,646,190	1,876,618
Percentage of Total								
Maine	60.20%	61.03%	61.61%	60.51%	61.20%	59.33%	54.11%	60.46%
New Hampshire	39.80%	38.97%	38.39%	39.49%	38.80%	40.67%	45.89%	39.54%
Total	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Commodity Allocation by Jurisdiction

	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Annual	Summer
Maine								
Firm Sales Pipeline Commodity Excld Hedge	$ 481,403	$ 373,579	$ 366,207	$ 367,170	$ 374,028	$ 769,735	$ 25,190,304	$ 2,732,122
Net Hedging Expense / (Gain)	$ -	$ -	$ -	$ -	$ -	$ -	$ 30,525	$ -
Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,364,445	$ -
Peaking	$ 18,118	$ 17,433	$ 17,744	$ 16,999	$ 16,221	$ 15,951	$ 2,168,065	$ 102,466
Off-system Sales	$ -	$ -	$ -	$ -	$ -	$ -	$ (456,126)	$ -
Total Maine Commodity Costs	$ 499,521	$ 391,012	$ 383,951	$ 384,170	$ 390,249	$ 785,686	$ 30,297,213	$ 2,834,588
Maine Inventory Finance Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,569	$ -
Total Maine Variable Costs	$ 499,521	$ 391,012	$ 383,951	$ 384,170	$ 390,249	$ 785,686	$ 30,304,782	$ 2,834,588
New Hampshire								
Firm Sales Pipeline Commodity Excld Hedge	$ 318,269	$ 238,538	$ 228,188	$ 239,661	$ 237,104	$ 527,571	$ 22,270,220	$ 1,789,330
Net Hedging Expense / (Gain)	$ -	$ -	$ -	$ -	$ -	$ -	`	$ -
Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ 3,075,461	$ -
Peaking	$ 11,978	$ 11,131	$ 11,057	$ 11,096	$ 10,283	$ 10,932	$ 1,946,011	$ 66,477
Off-system Sales	$ -	$ -	$ -	$ -	$ -	$ -	$ (415,675)	$ -
Total New Hampshire Commodity Costs	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 26,903,952	$ 1,855,808
New Hampshire Inventory Finance Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,889	$ -
Total New Hampshire Variable Costs	$ 330,247	$ 249,669	$ 239,245	$ 250,756	$ 247,387	$ 538,503	$ 26,909,841	$ 1,855,808
Northern Utilities								
Firm Sales Pipeline Commodity Excld Hedge	$ 799,672	$ 612,117	$ 594,395	$ 606,831	$ 611,131	$ 1,297,306	$ 47,460,524	$ 4,521,452
Net Hedging Expense / (Gain)	$ -	$ -	$ -	$ -	$ -	$ -	$ 58,460	$ -
Storage	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,439,906	$ -
Peaking	$ 30,096	$ 28,564	$ 28,801	$ 28,095	$ 26,504	$ 26,883	$ 4,114,076	$ 168,944
Off-system Sales	$ -	$ -	$ -	$ -	$ -	$ -	$ (871,801)	$ -
Total Northern Commodity Costs	$ 829,768	$ 640,681	$ 623,196	$ 634,926	$ 637,636	$ 1,324,189	$ 57,201,165	$ 4,690,396
Northern Inventory Finance Costs	$ -	$ -	$ -	$ -	$ -	$ -	$ 13,458	$ -
Total Northern Variable Costs	$ 829,768	$ 640,681	$ 623,196	$ 634,926	$ 637,636	$ 1,324,189	$ 57,214,623	$ 4,690,396

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

50	**Commodity Allocation Factors**	
51	Firm Sales Sendout for Normal Winter, MMBtu	
52		
53	Maine	Company Analysis
54	New Hampshire	Schedule 10B, LN 33 / 10
55	Total	LN 53 + LN 54
56		
57	**Percentage of Total**	
58	Maine	LN 53 / LN 55
59	New Hampshire	LN 54 / LN 55
60	Total	LN 58 + LN 59
61		
62	**Commodity Allocation by Jurisdiction**	
63	**Maine**	
64	Firm Sales Pipeline Commodity Excld Hedge	LN 43 * LN 58
65	Net Hedging Expense / (Gain)	LN 35 * LN 58
66	Storage	LN 44 * LN 58
67	Peaking	LN 45 * LN 58
68	Off-system Sales	LN 46 * LN 58
69	Total Maine Commodity Costs	Sum LN 64 : LN 68
70	Maine Inventory Finance Costs	LN 111
71	Total Maine Variable Costs	LN 69 + LN 70
72	**New Hampshire**	
73	Firm Sales Pipeline Commodity Excld Hedge	LN 43 * LN 59
74	Net Hedging Expense / (Gain)	LN 35 * LN 59
75	Storage	LN 44 * LN 59
76	Peaking	LN 45 * LN 59
77	Off-system Sales	LN 46 * LN 59
78	Total New Hampshire Commodity Costs	Sum LN 73 : LN 77
79	New Hampshire Inventory Finance Costs	LN 116
80	Total New Hampshire Variable Costs	LN 78 + LN 79
81	**Northern Utilities**	
82	Firm Sales Pipeline Commodity Excld Hedge	LN 64 + LN 73
83	Net Hedging Expense / (Gain)	LN 65 + LN 74
84	Storage	LN 66 + LN 75
85	Peaking	LN 67 + LN 76
86	Off-system Sales	LN 68 + LN 77
87	Total Northern Commodity Costs	LN 69 + LN 78
88	Northern Inventory Finance Costs	LN 70 + LN 79
89	Total Northern Variable Costs	LN 87 + LN 88
90		

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 H	Col I	Col J	Col K	Col L	Col M	Col N	Col P
Inventory Finance Charge	**May-15**	**Jun-15**	**Jul-15**	**Aug-15**	**Sep-15**	**Oct-15**	**Annual**	**Summer**
Storage	$ 359	$ 533	$ 709	$ 889	$ 1,065	$ 1,242	$ 10,120	$ 4,796
Peaking	$ 290	$ 282	$ 275	$ 269	$ 262	$ 256	$ 3,338	$ 1,634
Total	$ 649	$ 815	$ 984	$ 1,157	$ 1,327	$ 1,498	$ 13,458	$ 6,431

Inventory Finance Charge Allocation by Jurisdiction								
Maine	$ 391	$ 497	$ 606	$ 700	$ 812	$ 889	$ 7,569	$ 3,896
New Hampshire	$ 258	$ 317	$ 378	$ 457	$ 515	$ 609	$ 5,889	$ 2,535
Total	$ 649	$ 815	$ 984	$ 1,157	$ 1,327	$ 1,498	$ 13,458	$ 6,431

Inventory Finance Charge Allocation by Month

Maine

Firm Sales Normal Remaining Sendout	0	0	0	0	0	0	2,994,610	0
Monthly % Sendout of Total Winter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
ME Allocated Inventory Finance Charge	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,569	$ -

New Hampshire

Firm Sales Normal Remaining Sendout	0	0	0	0	0	0	2,677,194	0
Monthly % Sendout of Total Winter	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%
NH Allocated Inventory Finance Charge	$ -	$ -	$ -	$ -	$ -	$ -	$ 5,889	$ -

Northern Utilities
ALLOCATION OF COMMODITY COSTS BETWEEN ME & NH DIVISIONS

91 **Northern Utilities**
92 **Simplified Market Based Allocator (MBA) Calculations**
93 **ALLOCATION OF NORTHERN INVENTORY FINANCE CHARGE**
94
95
96

97	**Inventory Finance Charge**	
98	Storage	0
99	Peaking	0
100	Total	Sum LN 98 : LN 199
101		
102	**Inventory Finance Charge Allocation by Jurisdiction**	
103	Maine	LN 100 * LN 58
104	New Hampshire	LN 100 * LN 59
105	Total	Sum LN 103 : LN 104
106		
107	**Inventory Finance Charge Allocation by Month**	
108	**Maine**	
109	Firm Sales Remaining Sendout	0
110	Monthly % Sendout of Total Winter	LN 109 / LN 109 Col N
111	ME Allocated Inventory Finance Charge	LN 103 Col N * LN 110
112		
113	**New Hampshire**	
114	Firm Sales Remaining Sendout	0
115	Monthly % Sendout of Total Winter	LN 114 / LN 114 Col N
116	NH Allocated Inventory Finance Charge	LN 104 Col N* LN 115

Northern Utilities - NEW HAMPSHIRE DIVISION
Supporting Detail to Proposed Tariff Sheets
Average Cost of Gas Calculation

		Winter	Summer	Annual	
1	Demand	$ 9,168,597	$ 739,996	$ 9,908,593	Schedule 1A, LN 81
2	Commodity	$ 25,469,708	$ 1,855,808	$ 27,325,516	Schedule 1B, LN 43
3	Total	$ 34,638,306	$ 2,595,804	$ 37,234,109	LN 1 + LN 2
4					
5	Forecasted Firm Sales (Therms)	32,046,338	7,371,305	39,417,643	Schedule 10B, LN 11
6	Forecasted Residential Sales (Therms)	14,756,521	3,308,911	18,065,432	Schedule 10B, LN 3
7	Average Residential Rate:	**Winter**	**Summer**	**Annual**	
8	Average Demand Rate	$0.2861	$0.1004		LN 1 / LN 5
9	Average Commodity Rate	$0.7948	$0.2518		LN 2 / LN 5
10	Average Rate	$1.0809	$0.3521		LN 3 / LN 5
11					
12	**Residential Reallocation:**	**Winter**	**Summer**	**Annual**	
13	Demand Costs Allocated To Residential per SMBA	$ 4,177,093	$ 335,042	$ 4,512,136	Schedule 10A, LN 168
14	Demand Costs Allocated To Residential per Avg Res. Rate	$ 4,221,905	$ 332,215	$ 4,554,120	LN 8 * LN 6
15	**Demand Reallocation:**	$ (44,812)	$ 2,828	$ (41,984)	LN 13 - LN 14
16	**HLF Allocation**	$ (4,190)	$ 611	$ (3,580)	LN 15 / LN 20
17	**LLF Allocation**	$ (40,621)	$ 2,217	$ (38,404)	LN 15 / LN 21
18					
19	**SMBA Capacity Cost Allocation (%)**				
20	HLF	9.35%	21.59%		Schedule 10A, LN 173
21	LLF	90.65%	78.41%		Schedule 10A, LN 174
22					
23	Commodity Costs Allocated To Residential per SMBA	$ 11,728,509	$ 833,299	$ 12,561,808	Schedule 10C, LN 138
24	Commodity Costs Allocated To Residential per Avg Res. Rate	$ 11,728,151	$ 833,184	$ 12,561,335	LN 9 * LN 6
25	**Commodity Reallocation:**	$ 358	$ 115	$ 474	LN 23 - LN 24
26	**HLF Allocation**	$ 47	$ 43	$ 90	LN 25 * LN 30
27	**LLF Allocation**	$ 312	$ 72	$ 384	LN 25 * LN 31
28					
29	**SMBA Commodity Cost Allocation (%)**				
30	HLF	13.03%	37.61%		Schedule 10C, LN 143
31	LLF	86.97%	62.39%		Schedule 10C, LN 144

Three-year Flowback of PNGTS Refund

	Total Refund Amount			Annual Refund Amounts Over 3 Years		
	Contract Number			Contract Number		
	1997-003	1997-004	Total	1997-003	1997-004	Total
Maine Portion	$444,131	$11,161,109	$11,605,241	$148,044	$3,720,370	$3,868,414
New Hampshire Portion	$400,061	$10,049,609	$10,449,670	$133,354	$3,349,870	$3,483,223
Total Northern	$844,193	$21,210,718	$22,054,911	$281,398	$7,070,239	$7,351,637

Northern Utilities
New Hampshire Division
Schedule 25

Estimated Refund - RP10-729-000 Rate Case
Contract 1997-003
MDQ: 1,100 Dth

	$ 1.3231 RP10-729 As Filed	#REF! Refund Floor	Refund Amount Per Dth	Monthly Refund Amount	FERC Annual Interest Rate	FERC Monthly Interest Rate	Prior Month Interest Base	Cumulative Previous Quarterly Interest	Current Month Interest Base	Cumulative Interest	Monthly Interest	Total Monthly Interest (1)	Monthly Principal and Interest	PR Allocator NH	PR Allocator ME	Assigned Dollars NH	Assigned Dollars ME
12/2010 Dec. 2010	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%				$ -	$ 43	$ 43	$ 15,730	48.64%	51.36%	$ 7,651	$ 8,079
1/2011 Jan. 2011	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 15,687		$ 15,687	$ 43	$ 43	$ 86	$ 15,773	48.64%	51.36%	$ 7,672	$ 8,101
2/2011 Feb.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2493%	$ 31,375		$ 31,375	$ 78	$ 39	$ 117	$ 15,804	48.64%	51.36%	$ 7,687	$ 8,117
3/2011 Mar.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 47,062	$ 246	$ 47,308	$ 131	$ 43	$ 174	$ 15,861	48.64%	51.36%	$ 7,715	$ 8,146
4/2011 Apr.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 62,750	$ 246	$ 62,996	$ 168	$ 42	$ 210	$ 15,897	48.64%	51.36%	$ 7,733	$ 8,165
5/2011 May	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 78,437	$ 246	$ 78,683	$ 217	$ 43	$ 260	$ 15,947	48.64%	51.36%	$ 7,757	$ 8,191
6/2011 Jun.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 94,125	$ 890	$ 95,015	$ 254	$ 42	$ 296	$ 15,983	48.64%	51.36%	$ 7,774	$ 8,209
7/2011 Jul.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 109,812	$ 890	$ 110,702	$ 306	$ 43	$ 349	$ 16,036	48.64%	51.36%	$ 7,800	$ 8,236
8/2011 Aug.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 125,499	$ 890	$ 126,389	$ 349	$ 43	$ 392	$ 16,079	48.64%	51.36%	$ 7,821	$ 8,258
9/2011 Sep.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 141,187	$ 1,927	$ 143,114	$ 382	$ 42	$ 424	$ 16,111	48.64%	51.36%	$ 7,837	$ 8,275
10/2011 Oct.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 156,874	$ 1,927	$ 158,801	$ 438	$ 43	$ 481	$ 16,168	48.64%	51.36%	$ 7,864	$ 8,304
11/2011 Nov.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 172,562	$ 1,927	$ 174,489	$ 466	$ 42	$ 508	$ 16,195	47.38%	52.62%	$ 7,673	$ 8,522
12/2011 Dec.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 188,249	$ 3,340	$ 191,589	$ 529	$ 43	$ 572	$ 16,259	47.38%	52.62%	$ 7,704	$ 8,556
1/2012 Jan. 2012	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 203,937	$ 3,340	$ 207,277	$ 572	$ 43	$ 615	$ 16,302	47.38%	52.62%	$ 7,724	$ 8,578
2/2012 Feb.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2582%	$ 219,624	$ 3,340	$ 222,964	$ 576	$ 41	$ 617	$ 16,304	47.38%	52.62%	$ 7,725	$ 8,579
3/2012 Mar.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 235,311	$ 5,144	$ 240,455	$ 664	$ 43	$ 707	$ 16,394	47.38%	52.62%	$ 7,768	$ 8,627
4/2012 Apr.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 250,999	$ 5,144	$ 256,143	$ 684	$ 42	$ 726	$ 16,413	47.38%	52.62%	$ 7,777	$ 8,637
5/2012 May	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 266,686	$ 5,144	$ 271,830	$ 750	$ 43	$ 793	$ 16,480	47.38%	52.62%	$ 7,808	$ 8,672
6/2012 Jun.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 282,374	$ 7,370	$ 289,744	$ 774	$ 42	$ 816	$ 16,503	47.38%	52.62%	$ 7,819	$ 8,684
7/2012 Jul.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 298,061	$ 7,370	$ 305,431	$ 843	$ 43	$ 886	$ 16,573	47.38%	52.62%	$ 7,852	$ 8,721
8/2012 Aug.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 313,749	$ 7,370	$ 321,119	$ 886	$ 43	$ 929	$ 16,616	47.38%	52.62%	$ 7,873	$ 8,744
9/2012 Sep.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 329,436	$ 10,001	$ 339,437	$ 907	$ 42	$ 949	$ 16,636	47.38%	52.62%	$ 7,882	$ 8,754
10/2012 Oct.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 345,123	$ 10,001	$ 355,124	$ 980	$ 43	$ 1,023	$ 16,710	47.38%	52.62%	$ 7,917	$ 8,793
11/2012 Nov.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 360,811	$ 10,001	$ 370,812	$ 990	$ 42	$ 1,032	$ 16,719	46.40%	53.60%	$ 7,758	$ 8,962
12/2012 Dec.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 376,498	$ 13,005	$ 389,503	$ 1,075	$ 43	$ 1,118	$ 16,805	46.40%	53.60%	$ 7,798	$ 9,008
1/2013 Jan. 2013	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 392,186	$ 13,005	$ 405,191	$ 1,118	$ 43	$ 1,161	$ 16,848	46.40%	53.60%	$ 7,818	$ 9,031
2/2013 Feb.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2493%	$ 407,873	$ 13,005	$ 420,878	$ 1,049	$ 39	$ 1,088	$ 16,775	46.40%	53.60%	$ 7,784	$ 8,992
3/2013 Mar.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 423,561	$ 16,372	$ 439,933	$ 1,214	$ 43	$ 1,257	$ 16,944	46.40%	53.60%	$ 7,862	$ 9,082
4/2013 Apr.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 439,248	$ 16,372	$ 455,620	$ 1,217	$ 42	$ 1,259	$ 16,946	46.40%	53.60%	$ 7,863	$ 9,083
5/2013 May	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 454,935	$ 16,372	$ 471,307	$ 1,301	$ 43	$ 1,344	$ 17,031	46.40%	53.60%	$ 7,903	$ 9,129
6/2013 Jun.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 470,623	$ 20,232	$ 490,855	$ 1,311	$ 42	$ 1,353	$ 17,040	46.40%	53.60%	$ 7,907	$ 9,134
7/2013 Jul.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 486,310	$ 20,232	$ 506,542	$ 1,398	$ 43	$ 1,441	$ 17,128	46.40%	53.60%	$ 7,948	$ 9,181
8/2013 Aug.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 501,998	$ 20,232	$ 522,230	$ 1,441	$ 43	$ 1,484	$ 17,171	46.40%	53.60%	$ 7,968	$ 9,204
9/2013 Sep.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 517,685	$ 24,510	$ 542,195	$ 1,448	$ 42	$ 1,490	$ 17,177	46.40%	53.60%	$ 7,970	$ 9,207
10/2013 Oct.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 533,373	$ 24,510	$ 557,883	$ 1,540	$ 43	$ 1,583	$ 17,270	46.40%	53.60%	$ 8,013	$ 9,257
11/2013 Nov.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 549,060	$ 24,510	$ 573,570	$ 1,532	$ 42	$ 1,574	$ 17,261	47.24%	52.76%	$ 8,154	$ 9,107
12/2013 Dec.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 564,747	$ 29,157	$ 593,904	$ 1,639	$ 43	$ 1,682	$ 17,369	47.24%	52.76%	$ 8,205	$ 9,164
1/2014 Jan. 2014	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 580,435	$ 29,157	$ 609,592	$ 1,682	$ 43	$ 1,725	$ 17,412	47.24%	52.76%	$ 8,226	$ 9,187
2/2014 Feb.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2493%	$ 596,122	$ 29,157	$ 625,279	$ 1,559	$ 39	$ 1,598	$ 17,285	47.24%	52.76%	$ 8,166	$ 9,120
3/2014 Mar.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 611,810	$ 34,162	$ 645,972	$ 1,783	$ 43	$ 1,826	$ 17,513	47.24%	52.76%	$ 8,273	$ 9,240
4/2014 Apr.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 627,497	$ 34,162	$ 661,659	$ 1,767	$ 42	$ 1,809	$ 17,496	47.24%	52.76%	$ 8,265	$ 9,231
5/2014 May	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 643,185	$ 34,162	$ 677,347	$ 1,869	$ 43	$ 1,912	$ 17,599	47.24%	52.76%	$ 8,314	$ 9,285
6/2014 Jun.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 658,872	$ 39,709	$ 698,581	$ 1,866	$ 42	$ 1,908	$ 17,595	47.24%	52.76%	$ 8,312	$ 9,283
7/2014 Jul.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 674,559	$ 39,709	$ 714,268	$ 1,971	$ 43	$ 2,014	$ 17,701	47.24%	52.76%	$ 8,362	$ 9,339
8/2014 Aug.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 690,247	$ 39,709	$ 729,956	$ 2,015	$ 43	$ 2,058	$ 17,745	47.24%	52.76%	$ 8,383	$ 9,362
9/2014 Sep.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 705,934	$ 45,689	$ 751,623	$ 2,008	$ 42	$ 2,050	$ 17,737	47.24%	52.76%	$ 8,379	$ 9,358
10/2014 Oct.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 721,622	$ 45,689	$ 767,311	$ 2,118	$ 43	$ 2,161	$ 17,848	47.24%	52.76%	$ 8,432	$ 9,417
11/2014 Nov.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2671%	$ 737,309	$ 45,689	$ 782,998	$ 2,091	$ 42	$ 2,133	$ 17,820	47.67%	52.33%	$ 8,495	$ 9,325
12/2014 Dec.	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 752,997	$ 52,033	$ 805,030	$ 2,222	$ 43	$ 2,265	$ 17,952	47.67%	52.33%	$ 8,558	$ 9,395
1/2015 Jan. 2015	$ 40.2456	$ 25.9843	$ 14.2613	$ 15,687	3.25%	0.2760%	$ 768,684	$ 52,033	$ 820,717	$ 2,265	$ 43	$ 2,308	$ 17,995	47.67%	52.33%	$ 8,578	$ 9,417
2/2015 Feb.	$ 25.9843	$ 25.9843	$ -	$ -	1.57%	0.1204%	$ 784,372	$ 52,033	$ 836,405	$ 1,007	$ -	$ 1,007	$ 1,007	47.67%	52.33%	$ 480	$ 527
3/2015 Mar.	$ 25.9843	$ 25.9843	$ -	$ -	1.57%	0.1333%	$ 784,372	$ 57,613	$ 841,985	$ 1,122	$ -	$ 1,122	$ 1,122	47.67%	52.33%	$ 535	$ 587
4/2015 Apr.	$ 25.9843	$ 25.9843	$ -	$ -	1.57%	0.1290%	$ 784,372	$ 57,613	$ 841,985	$ 1,086	$ -	$ 1,086	$ 1,086	47.67%	52.33%	$ 518	$ 568
Totals				$ 784,372								$ 59,821	$ 844,193			$ 400,061	$ 444,131

(1) Interest is calculated based on billing for the full month.

Estimated Refund - RP10-729-000 Rate Case
Contract 1997-004
MDQ: 33,000 Dth

	$ 1.3231 RP10-729 As Filed	Compliance Rate	Refund Amount Per Dth	Monthly Refund Amount	Annual Interest Rate	Monthly Interest Rate	Prior Month Interest Base	Cumulative Previous Quarterly Interest	Current Month Interest Base	Cumulative Interest	Monthly Interest	Total Monthly Interest (1)	Monthly Principal and Interest	PR Allocator NH	PR Allocator ME	Assigned Dollars NH	Assigned Dollars ME
12/2010 Dec. 2010	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%				-	2,468	2,468	896,653	48.64%	51.36%	436,132	460,521
1/2011 Jan. 2011	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	894,185		894,185	2,468	2,468	4,936	899,121	48.64%	51.36%	437,332	461,788
2/2011 Feb.	76.4666	49.3701	27.0965	894,185	3.25%	0.2493%	1,788,369		1,788,369	4,458	2,229	6,687	900,872	48.64%	51.36%	438,184	462,688
3/2011 Mar.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	2,682,554	14,091	2,696,645	7,443	2,468	9,911	904,096	48.64%	51.36%	439,752	464,343
4/2011 Apr.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	3,576,738	14,091	3,590,829	9,591	-	9,591	9,591	48.64%	51.36%	4,665	4,926
5/2011 May	76.4666	49.3701	27.0965	-	3.25%	0.2760%	3,576,738	14,091	3,590,829	9,911	-	9,911	9,911	48.64%	51.36%	4,821	5,090
6/2011 Jun.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	3,576,738	43,504	3,620,242	9,670	-	9,670	9,670	48.64%	51.36%	4,703	4,967
7/2011 Jul.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	3,576,738	43,504	3,620,242	9,992	-	9,992	9,992	48.64%	51.36%	4,860	5,132
8/2011 Aug.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	3,576,738	43,504	3,620,242	9,992	-	9,992	9,992	48.64%	51.36%	4,860	5,132
9/2011 Sep.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	3,576,738	73,158	3,649,896	9,749	-	9,749	9,749	48.64%	51.36%	4,742	5,007
10/2011 Oct.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	3,576,738	73,158	3,649,896	10,074	-	10,074	10,074	48.64%	51.36%	4,900	5,174
11/2011 Nov.	76.4666	49.3701	27.0965	894,185	3.25%	0.2671%	3,576,738	73,158	3,649,896	9,749	2,388	12,137	906,322	47.38%	52.62%	429,415	476,906
12/2011 Dec.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	4,470,923	105,118	4,576,041	12,630	2,468	15,098	909,283	47.38%	52.62%	430,818	478,464
1/2012 Jan. 2012	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	5,365,107	105,118	5,470,225	15,098	2,468	17,566	911,751	47.38%	52.62%	431,987	479,763
2/2012 Feb.	76.4666	49.3701	27.0965	894,185	3.25%	0.2582%	6,259,292	105,118	6,364,410	16,433	2,309	18,742	912,927	47.38%	52.62%	432,545	480,382
3/2012 Mar.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	7,153,476	156,524	7,310,000	20,176	2,468	22,644	916,829	47.38%	52.62%	434,393	482,435
4/2012 Apr.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	8,047,661	156,524	8,204,185	21,913	-	21,913	21,913	47.38%	52.62%	10,382	11,531
5/2012 May	76.4666	49.3701	27.0965	-	3.25%	0.2760%	8,047,661	156,524	8,204,185	22,644	-	22,644	22,644	47.38%	52.62%	10,729	11,915
6/2012 Jun.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	8,047,661	223,725	8,271,386	22,093	-	22,093	22,093	47.38%	52.62%	10,468	11,625
7/2012 Jul.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	8,047,661	223,725	8,271,386	22,829	-	22,829	22,829	47.38%	52.62%	10,816	12,013
8/2012 Aug.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	8,047,661	223,725	8,271,386	22,829	-	22,829	22,829	47.38%	52.62%	10,816	12,013
9/2012 Sep.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	8,047,661	291,476	8,339,137	22,274	-	22,274	22,274	47.38%	52.62%	10,553	11,721
10/2012 Oct.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	8,047,661	291,476	8,339,137	23,016	-	23,016	23,016	47.38%	52.62%	10,905	12,111
11/2012 Nov.	76.4666	49.3701	27.0965	894,185	3.25%	0.2671%	8,047,661	291,476	8,339,137	22,274	2,388	24,662	918,847	46.40%	53.60%	426,345	492,502
12/2012 Dec.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	8,941,845	361,428	9,303,273	25,677	2,468	28,145	922,330	46.40%	53.60%	427,961	494,369
1/2013 Jan. 2013	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	9,836,030	361,428	10,197,458	28,145	2,468	30,613	924,798	46.40%	53.60%	429,106	495,691
2/2013 Feb.	76.4666	49.3701	27.0965	894,185	3.25%	0.2493%	10,730,214	361,428	11,091,642	27,651	2,229	29,880	924,065	46.40%	53.60%	428,766	495,299
3/2013 Mar.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	11,624,399	450,066	12,074,465	33,326	2,468	35,794	929,979	46.40%	53.60%	431,510	498,468
4/2013 Apr.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	12,518,583	450,066	12,968,649	34,639	-	34,639	34,639	46.40%	53.60%	16,072	18,567
5/2013 May	76.4666	49.3701	27.0965	-	3.25%	0.2760%	12,518,583	450,066	12,968,649	35,793	-	35,793	35,793	46.40%	53.60%	16,608	19,185
6/2013 Jun.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	12,518,583	556,292	13,074,875	34,923	-	34,923	34,923	46.40%	53.60%	16,204	18,719
7/2013 Jul.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	12,518,583	556,292	13,074,875	36,087	-	36,087	36,087	46.40%	53.60%	16,744	19,343
8/2013 Aug.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	12,518,583	556,292	13,074,875	36,087	-	36,087	36,087	46.40%	53.60%	16,744	19,343
9/2013 Sep.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	12,518,583	663,389	13,181,972	35,209	-	35,209	35,209	46.40%	53.60%	16,337	18,872
10/2013 Oct.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	12,518,583	663,389	13,181,972	36,382	-	36,382	36,382	46.40%	53.60%	16,881	19,501
11/2013 Nov.	76.4666	49.3701	27.0965	894,185	3.25%	0.2671%	12,518,583	663,389	13,181,972	35,209	2,388	37,597	931,782	47.24%	52.76%	440,174	491,608
12/2013 Dec.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	13,412,768	772,577	14,185,345	39,152	2,468	41,620	935,805	47.24%	52.76%	442,074	493,730
1/2014 Jan. 2014	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	14,306,952	772,577	15,079,529	41,620	2,468	44,088	938,273	47.24%	52.76%	443,240	495,033
2/2014 Feb.	76.4666	49.3701	27.0965	894,185	3.25%	0.2493%	15,201,137	772,577	15,973,714	39,822	2,229	42,051	936,236	47.24%	52.76%	442,278	493,958
3/2014 Mar.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	16,095,321	900,336	16,995,657	46,908	2,468	49,376	943,561	47.24%	52.76%	445,738	497,823
4/2014 Apr.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	16,989,506	900,336	17,889,842	47,784	-	47,784	47,784	47.24%	52.76%	22,573	25,211
5/2014 May	76.4666	49.3701	27.0965	-	3.25%	0.2760%	16,989,506	900,336	17,889,842	49,376	-	49,376	49,376	47.24%	52.76%	23,325	26,051
6/2014 Jun.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	16,989,506	1,046,872	18,036,378	48,175	-	48,175	48,175	47.24%	52.76%	22,758	25,417
7/2014 Jul.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	16,989,506	1,046,872	18,036,378	49,780	-	49,780	49,780	47.24%	52.76%	23,516	26,264
8/2014 Aug.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	16,989,506	1,046,872	18,036,378	49,780	-	49,780	49,780	47.24%	52.76%	23,516	26,264
9/2014 Sep.	76.4666	49.3701	27.0965	-	3.25%	0.2671%	16,989,506	1,194,607	18,184,113	48,570	-	48,570	48,570	47.24%	52.76%	22,944	25,626
10/2014 Oct.	76.4666	49.3701	27.0965	-	3.25%	0.2760%	16,989,506	1,194,607	18,184,113	50,188	-	50,188	50,188	47.24%	52.76%	23,709	26,479
11/2014 Nov.	76.4666	49.3701	27.0965	894,185	3.25%	0.2671%	16,989,506	1,194,607	18,184,113	48,570	2,388	50,958	945,143	47.67%	52.33%	450,549	494,593
12/2014 Dec.	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	17,883,690	1,344,323	19,228,013	53,069	2,468	55,537	949,722	47.67%	52.33%	452,732	496,989
1/2015 Jan. 2015	76.4666	49.3701	27.0965	894,185	3.25%	0.2760%	18,777,875	1,344,323	20,122,198	55,537	2,468	58,005	952,190	47.67%	52.33%	453,909	498,281
2/2015 Feb.	49.3701	49.3701	-	-	1.57%	0.1204%	19,672,059	1,344,323	21,016,382	25,304	-	25,304	25,304	47.67%	52.33%	12,062	13,242
3/2015 Mar.	49.3701	49.3701	-	-	1.57%	0.1333%	19,672,059	1,483,169	21,155,228	28,200	-	28,200	28,200	47.67%	52.33%	13,443	14,757
4/2015 Apr.	49.3701	49.3701	-	-	1.57%	0.1290%	19,672,059	1,483,169	21,155,228	27,290	-	27,290	27,290	47.67%	52.33%	13,009	14,281
Totals				$ 19,672,059								$ 1,538,659	$ 21,210,718			$ 10,049,609	$ 11,161,109

(1) Interest is calculated based on billing for the full month.