

NORTHERN UTILITIES, INC. - NEW HAMSHIRE DIVISION
Revised Summer 2012 Cost of Gas Filing

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Revised Summary

**N.H.P.U.C No.10
 NORTHERN UTILITIES, INC.**

Anticipated Cost of Gas

Summary Schedule

New Hampshire Division
 Period Covered: May 1, 2012 - October 31, 2012

Column A	Column B	Column C
1 <u>ANTICIPATED DIRECT COST OF GAS</u>		
2 Purchased Gas:		
3 Demand Costs:	\$ 481,574	
4 Supply Costs:	\$ 2,045,969	
5		
6 Storage & Peaking Gas:		
7 Demand, Capacity:	\$ 377,162	
8 Commodity Costs:	\$ 21,944	
9		
10 Hedging (Gain)/Loss	\$ 239,048	
11		
12 Interruptible Included Above	\$ -	
13		
14 Capacity Release	\$ -	
15		
16 Adjustment for Actual Costs	\$ -	\$ 2,547,501
17		
18 Total Anticipated Direct Cost of Gas		\$ 3,165,697
19		
20 <u>ANTICIPATED INDIRECT COST OF GAS</u>		
21 Adjustments:		
22 Prior Period Under/(Over) Collection	\$ (104,463)	
23 Prior Period Adjustment (ATV Reconciliation)	\$ -	
24 Interest	\$ (2,129)	
25 Refunds	\$ -	
26 Interruptible Margins	\$ -	
27 Total Adjustments		\$ (106,592)
28		
29 Working Capital:		
30 Total Anticipated Direct Cost of Gas	\$ 3,165,697	
31 Working Capital Allowance Percentage (9.25[lag days]/365* prime rate*)	<u>0.082%</u>	
32 Working Capital Allowance	\$ 2,607	
33 Plus: Working Capital Reconciliation	\$ <u>(952)</u>	
34		
35 Total Working Capital Allowance		\$ 1,655
36		
37 Bad Debt:		
38 Projected Bad Debt	\$ 39,068	
39 Plus: Bad Debt Reconciliation (Acct 182.22)	\$ <u>(1,283)</u>	
40		
41 Total Bad Debt Expense		\$ 37,785
42		
43 Local Production and Storage Capacity		\$ -
44		
45 Miscellaneous Overhead-20.69% of \$411,601		\$ 85,176
46		
47 Total Anticipated Indirect Cost of Gas		\$ 18,025
48		
49 Total Cost of Gas		\$ 3,183,722
50		

(*) Prime Rate is 3.25%

NORTHERN UTILITIES, INC.

51
 52 CALCULATION OF FIRM SALES COST OF GAS RATE
 53 Period Covered: May 1, 2012 - October 31, 2012

54 Column A	Column B	Column C
56 Total Anticipated Direct Cost of Gas	\$ 3,165,697	
58 Projected Prorated Sales (05/01/12 - 10/31/12)	7,466,573	
59 Direct Cost of Gas Rate		\$ 0.4240 per therm
60		
61 Demand Cost of Gas Rate	\$ 858,736	\$ 0.1150 per therm
62 Commodity Cost of Gas Rate	<u>\$ 2,306,962</u>	<u>\$ 0.3090 per therm</u>
63 Total Direct Cost of Gas Rate	\$ 3,165,697	\$ 0.4240 per therm
64		
65 Total Anticipated Indirect Cost of Gas	\$ 18,025	
66 Projected Prorated Sales (05/01/12 - 10/31/12)	7,466,573	
67 Indirect Cost of Gas		\$ 0.0024 per therm
68		
69		
70 TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/12		\$ 0.4264 per therm

RESIDENTIAL COST OF GAS RATE - 05/01/12	COGwr	\$ 0.4264 per therm
	Maximum (COG+25%)	\$ 0.5330

COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/12	COGwl	\$ 0.3835 per therm
	Maximum (COG+25%)	\$ 0.4794

79 C&I HLF Demand Costs Allocated per SMBA	\$ 127,347
80 PLUS: Residential Demand Reallocation to C&I HLF	<u>\$ (158)</u>
81 C&I HLF Total Adjusted Demand Costs	\$ 127,189
82 C&I HLF Projected Prorated Sales (05/01/12 - 10/31/12)	1,760,923
83 Demand Cost of Gas Rate	\$ 0.0722

85 C&I HLF Commodity Costs Allocated per SMBA	\$ 543,894
86 PLUS: Residential Commodity Reallocation to C&I HLF	<u>\$ 6</u>
87 C&I HLF Total Adjusted Commodity Costs	\$ 543,900
88 C&I HLF Projected Prorated Sales (05/01/12 - 10/31/12)	1,760,923
89 Commodity Cost of Gas Rate	\$ 0.3089

90 **Indirect Cost of Gas** \$ 0.0024

93 **Total C&I HLF Cost of Gas Rate** **\$ 0.3835**

COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/12	COGwh	\$ 0.4597 per therm
	Maximum (COG+25%)	\$ 0.5746

99 C&I LLF Demand Costs Allocated per SMBA	\$ 336,362
100 PLUS: Residential Demand Reallocation to C&I LLF	<u>\$ (417)</u>
101 C&I LLF Total Adjusted Demand Costs	\$ 335,945
102 C&I LLF Projected Prorated Sales (05/01/12 - 10/31/12)	2,265,631
103 Demand Cost of Gas Rate	\$ 0.1483

105 C&I LLF Commodity Costs Allocated per SMBA	\$ 700,089
106 PLUS: Residential Commodity Reallocation to C&I LLF	<u>\$ 7</u>
107 C&I LLF Total Adjusted Commodity Costs	\$ 700,096
108 C&I LLF Projected Prorated Sales (05/01/12 - 10/31/12)	2,265,631
109 Commodity Cost of Gas Rate	\$ 0.3090

111 **Indirect Cost of Gas** \$ 0.0024

113 **Total C&I LLF Cost of Gas Rate** **\$ 0.4597**

N.H.P.U.C No.10
NORTHERN UTILITIES, INC.

Anticipated Cost of Gas

New Hampshire Division
 Period Covered: May 1, 2012 - October 31, 2012

Column A	Column D
1 <u>ANTICIPATED DIRECT COST OF GAS</u>	
2 Purchased Gas:	
3 Demand Costs:	Schedule 1A, LN 71
4 Supply Costs:	Schedule 1B, LN 15
5	
6 Storage & Peaking Gas:	
7 Demand, Capacity:	Schedule 1A, LN 73
8 Commodity Costs:	Schedule 1B, LN 16 + Schedule 1B, LN 17
9	
10 Hedging (Gain)/Loss	Schedule 1B, LN 15
11	
12 Interruptible Included Above	-(Schedule 1B, LN 22)
13	
14 Capacity Release	-(Schedule 1A, LN 76)
15	
16 Adjustment for Actual Costs	
17	
18 Total Anticipated Direct Cost of Gas	Sum (LN 3 : LN 16)
19	
20 <u>ANTICIPATED INDIRECT COST OF GAS</u>	
21 Adjustments:	
22 Prior Period Under/(Over) Collection	Schedule 3, LN 108: October
23 Prior Period Adjustment (ATV Reconciliation)	
24 Interest	Schedule 3, LN 115: Total
25 Refunds	Company Analysis
26 Interruptible Margins	-(Schedule 1A, LN 77)
27 Total Adjustments	Sum (LN 22 : LN 26)
28	
29 Working Capital:	
30 Total Anticipated Direct Cost of Gas	LN 18
31 Working Capital Allowance Percentage (9.25[lag days]/365* prime	3rd Rev. Pg 21 IV COG Clause 6.1
32 Working Capital Allowance	LN 30 * LN 31
33 Plus: Working Capital Reconciliation	Schedule 3, LN 85: October 2011 Summer Reconciliation
34	
35 Total Working Capital Allowance	Sum (LN 32 : LN 33)
36	
37 Bad Debt:	
38 Projected Bad Debt	Schedule 3B, LN 17
39 Plus: Bad Debt Reconciliation (Acct 182.22)	Schedule 3, LN 108: October
40	
41 Total Bad Debt Expense	Sum (LN 38 : LN 39)
42	
43 Local Production and Storage Capacity	Schedule 1A, LN 84
44	
45 Miscellaneous Overhead-20.69% of \$411,601	Schedule 1A, LN 83
46	
47 Total Anticipated Indirect Cost of Gas	Sum (LN 27 : LN 45)
48	
49 Total Cost of Gas	LN 47 + LN 18
50	

(*) Prime Rate is 3.25%

NORTHERN UTILITIES, INC.

51		
52	51	CALCULATION OF FIRM SALES COST OF GAS RATE
53	52	Period Covered: May 1, 2012 - October 31, 2012
54		
55	Column A	Column D
56		
57	Total Anticipated Direct Cost of Gas	LN 18
58	Projected Prorated Sales (05/01/12 - 10/31/12)	Company Analysis
59	Direct Cost of Gas Rate	LN 57 / LN 58
60		
61	Demand Cost of Gas Rate	Column B : SUM (LN 3 , LN 7 , LN 14)
62	Commodity Cost of Gas Rate	Column B : SUM (LN 4 , LN 8 , LN 10 , LN 12)
63	Total Direct Cost of Gas Rate	SUM (LN 61 : LN 62)
64		
65	Total Anticipated Indirect Cost of Gas	LN 47
66	Projected Prorated Sales (05/01/12 - 10/31/12)	Company Analysis
67	Indirect Cost of Gas	LN 65 / LN 66
68		
69		
70	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/12	LN 63 + LN 67
71		
72	RESIDENTIAL COST OF GAS RATE - 05/01/12	Company Analysis
73		LN 72 * 1.25
74		
75		
76	COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/12	Company Analysis
77		LN 76 * 1.25
78		
79	C&I HLF Demand Costs Allocated per SMBA	Schedule 10A, LN 169
80	PLUS: Residential Demand Reallocation to C&I HLF	Schedule 23, LN 16
81	C&I HLF Total Adjusted Demand Costs	Sum (LN 79 : LN 80)
82	C&I HLF Projected Prorated Sales (05/01/12 - 10/31/12)	Company Analysis
83	Demand Cost of Gas Rate	LN 81 / LN 82
84		
85	C&I HLF Commodity Costs Allocated per SMBA	Schedule 10A, LN 139
86	PLUS: Residential Commodity Reallocation to C&I HLF	Schedule 23, LN 26
87	C&I HLF Total Adjusted Commodity Costs	Sum (LN 85 : LN 86)
88	C&I HLF Projected Prorated Sales (05/01/12 - 10/31/12)	Company Analysis
89	Commodity Cost of Gas Rate	LN 87 / LN 88
90		
91	Indirect Cost of Gas	LN 67
92		
93	Total C&I HLF Cost of Gas Rate	Sum (LN 83, LN 89, LN 91)
94		
95		
96	COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/12	Company Analysis
97		LN 96 * 1.25
98		
99	C&I LLF Demand Costs Allocated per SMBA	Schedule 10A, LN 170
100	PLUS: Residential Demand Reallocation to C&I LLF	Schedule 23, LN 17
101	C&I LLF Total Adjusted Demand Costs	Sum (LN 99 : LN 100)
102	C&I LLF Projected Prorated Sales (05/01/12 - 10/31/12)	Company Analysis
103	Demand Cost of Gas Rate	LN 101 / LN 102
104		
105	C&I LLF Commodity Costs Allocated per SMBA	Schedule 10A, LN 140
106	PLUS: Residential Commodity Reallocation to C&I LLF	Schedule 23, LN 27
107	C&I LLF Total Adjusted Commodity Costs	Sum (LN 105 : LN 106)
108	C&I LLF Projected Prorated Sales (05/01/12 - 10/31/12)	Company Analysis
109	Commodity Cost of Gas Rate	LN 107 / LN 108
110		
111	Indirect Cost of Gas	LN 67
112		
113	Total C&I LLF Cost of Gas Rate	Sum (LN 103, LN 109, LN 111)