

NORTHERN UTILITIES, INC. - NEW HAMSHIRE DIVISION
Summer 2015 Cost of Gas Filing

Table of Contents

Tab	Title	Description
Summary		Summary
Kahl Testimony		Pre-Filed Testimony
Conneely Testimony		Pre-Filed Testimony
1	Schedule 1A	NH Allocated Demand Costs Assigned to NH Winter & Summer
	Schedule 1B	NH Allocated Commodity Costs Assigned to NH Winter & Summer
2	Schedule 2	Supplies Ranked on a Per-Unit Cost Basis
3	Schedule 3	COG (Over)/Under Cumulative Recovery Balances and Interest Calculation
4	Schedule 4	Bad Debt Calculation
5	Schedule 5A	Demand Cost Forecast
	Attachment	Rate Cost Support (abridged for summer filing)
	Schedule 5B	Capacity Assignment Revenues - Winter Filing Only
	Schedule 5C	PNGTS Litigation Costs - Winter Filing Only
6	Schedule 6A	Commodity Cost Forecast
	Schedule 6B	Detailed City Gate Cost Calculations
7	Schedule 7	Hedging Program Gains and Losses - Winter Filing Only
8	Schedule 8	Typical Bill Analyses
9	Schedule 9	Variance Analysis of the Cost of Gas Rate Components
10	Schedule 10A	Allocation of Capacity Costs to Firm Sales Rate Classes
	Schedule 10B	Forecast Firm Sales
	Attachment	Metered Distribution Deliveries and Meter Counts
	Attachment	Sales Service Deliveries Forecast by Rate Class
	Attachment	Company Gas Allowance Calculations - Winter Filing Only
	Schedule 10C	Allocation of Commodity Costs to Firm Sales Rate Classes
11	Schedule 11A	Normal Year Sendout Volumes
	Schedule 11B	Design Year Sendout Volumes – Winter Filing Only
	Schedule 11C	Capacity Utilization
	Schedule 11D	Forecast of Upcoming Winter Period Design Day Report – Winter Filing Only
	Schedule 11E	New Hampshire 7 Day Cold Snap Analysis – Winter Filing Only
12	Schedule 12	Capacity Path Diagrams and Details by Supply Source - Winter Filing Only
13	Schedule 13	Load Migration from Sales to Transportation
14	Schedule 14	Inventory Activity – Winter Filing Only
15	Schedule 15	Summer 2014 Cost of Gas Reconciliation

16	Schedule 16	Local Distribution Adjustment Charge Calculation – Winter Filing Only
17	Schedule 17	Environmental Response Cost – Winter Filing Only
18	Schedule 18	Supplier Balancing Charge – Winter Filing Only
19	Schedule 19	Capacity Allocators Calculation – Winter Filing Only
20	Schedule 20	Annual Hedging Program
21	Schedule 21	Allocation of Demand Costs to ME & NH
22	Schedule 22	Allocation of Commodity Costs to ME & NH
23	Schedule 23	Supporting Detail to Proposed Tariff Sheets
24	Schedule 24	Short Term Debt Limit Calculation – Winter Filing Only

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

Anticipated Cost of Gas

Summary Schedule

New Hampshire Division
Period Covered: May 1, 2015 - October 31, 2015

Column A	Column B	Column C
1 <u>ANTICIPATED DIRECT COST OF GAS</u>		
2 Purchased Gas:		
3 Demand Costs:	\$ 433,739	
4 Supply Costs:	\$ 1,829,100	
5		
6 Storage & Peaking Gas:		
7 Demand, Capacity:	\$ 467,478	
8 Commodity Costs:	\$ 80,863	
9		
10 Hedging (Gain)/Loss	\$ -	
11		
12 Interruptible Included Above	\$ -	
13		
14 Capacity Release	\$ -	
15		
16 Adjustment for Actual Costs	\$ -	
17		
18 Total Anticipated Direct Cost of Gas		\$ 2,811,180
19		
20 <u>ANTICIPATED INDIRECT COST OF GAS</u>		
21 Adjustments:		
22 Prior Period Under/(Over) Collection	\$ (470,799)	
23 Prior Period Adjustment (ATV Reconciliation)	\$ -	
24 Interest	\$ (11,671)	
25 Refunds	\$ -	
26 Interruptible Margins	\$ -	
27 Total Adjustments		\$ (482,470)
28		
29 Working Capital:		
30 Total Anticipated Direct Cost of Gas	\$ 2,811,180	
31 Working Capital Allowance Percentage (9.25[lag days]/365* prime rate*)	0.082%	
32 Working Capital Allowance	\$ 2,315	
33 Plus: Working Capital Reconciliation	\$ (387)	
34		
35 Total Working Capital Allowance		\$ 1,928
36		
37 Bad Debt:		
38 Projected Bad Debt	\$ 29,333	
39 Plus: Bad Debt Reconciliation (Acct 182.22)	\$ 921	
40		
41 Total Bad Debt Expense		\$ 30,253
42		
43 Local Production and Storage Capacity		\$ -
44		
45 Miscellaneous Overhead-18.70% of \$411,601		\$ 95,875
46		
47 Total Anticipated Indirect Cost of Gas		\$ (354,413)
48		
49 Total Cost of Gas		\$ 2,456,767
50		

(*) Prime Rate is 3.25%

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NORTHERN UTILITIES, INC.

Anticipated Cost of Gas

New Hampshire Division
Period Covered: May 1, 2015 - October 31, 2015

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 14
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 96: October
23 Prior Period Adjustment (ATV Reconciliation)	
24 Interest	Schedule 3, LN 103: 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 77: October 2014 Summer Reconciliation
34	
35 Total Working Capital Allowance	Sum (LN 32 : LN 33)
36	
37 Bad Debt:	
38 Projected Bad Debt	Schedule 4, LN 17
39 Plus: Bad Debt Reconciliation (Acct 182.22)	Schedule 3, LN 83: October
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-18.70% 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.

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CALCULATION OF FIRM SALES COST OF GAS RATE
Period Covered: May 1, 2015 - October 31, 2015

Column A	Column B	Column C
Total Anticipated Direct Cost of Gas	\$ 2,811,180	
Projected Prorated Sales (05/01/15 - 10/31/15)	7,371,305	
Direct Cost of Gas Rate		\$ 0.3814 per therm
Demand Cost of Gas Rate	\$ 901,217	\$ 0.1223 per therm
Commodity Cost of Gas Rate	\$ 1,909,963	\$ 0.2591 per therm
Total Direct Cost of Gas Rate	\$ 2,811,180	\$ 0.3814 per therm
Total Anticipated Indirect Cost of Gas	\$ (354,413)	
Projected Prorated Sales (05/01/15 - 10/31/15)	7,371,305	
Indirect Cost of Gas		\$ (0.0481) per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/15		\$ 0.3333 per therm
RESIDENTIAL COST OF GAS RATE - 05/01/15	COGwr	\$ 0.3333 per therm
	Maximum (COG+25%)	\$ 0.4166
COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/15	COGwl	\$ 0.2739 per therm
	Maximum (COG+25%)	\$ 0.3424
C&I HLF Demand Costs Allocated per SMBA	\$ 95,404	
PLUS: Residential Demand Reallocation to C&I HLF	\$ 741	
C&I HLF Total Adjusted Demand Costs	\$ 96,145	
C&I HLF Projected Prorated Sales (05/01/15 - 10/31/15)	1,527,740	
Demand Cost of Gas Rate	\$ 0.0629	
C&I HLF Commodity Costs Allocated per SMBA	\$ 395,755	
PLUS: Residential Commodity Reallocation to C&I HLF	\$ 104	
C&I HLF Total Adjusted Commodity Costs	\$ 395,859	
C&I HLF Projected Prorated Sales (05/01/15 - 10/31/15)	1,527,740	
Commodity Cost of Gas Rate	\$ 0.2591	
Indirect Cost of Gas	\$ (0.0481)	
Total C&I HLF Cost of Gas Rate	\$ 0.2739	
COM/IND HIGH WINTER USE COST OF GAS RATE - 05/01/15	COGwh	\$ 0.3690 per therm
	Maximum (COG+25%)	\$ 0.4613
C&I LLF Demand Costs Allocated per SMBA	\$ 397,306	
PLUS: Residential Demand Reallocation to C&I LLF	\$ 3,087	
C&I LLF Total Adjusted Demand Costs	\$ 400,393	
C&I LLF Projected Prorated Sales (05/01/15 - 10/31/15)	2,534,654	
Demand Cost of Gas Rate	\$ 0.1580	
C&I LLF Commodity Costs Allocated per SMBA	\$ 656,592	
PLUS: Residential Commodity Reallocation to C&I LLF	\$ 173	
C&I LLF Total Adjusted Commodity Costs	\$ 656,765	
C&I LLF Projected Prorated Sales (05/01/15 - 10/31/15)	2,534,654	
Commodity Cost of Gas Rate	\$ 0.2591	
Indirect Cost of Gas	\$ (0.0481)	
Total C&I LLF Cost of Gas Rate	\$ 0.3690	

NORTHERN UTILITIES, INC.

51		
52	CALCULATION OF FIRM SALES COST OF GAS RATE	
53	Period Covered: May 1, 2015 - October 31, 2015	
54		
55	Column A	Column D
56		
57	Total Anticipated Direct Cost of Gas	LN 18
58	Projected Prorated Sales (05/01/15 - 10/31/15)	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 (05/01/15 - 10/31/15)	Company Analysis
67	Indirect Cost of Gas	LN 65 / LN 66
68		
69		
70	TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/15	LN 63 + LN 67
71		
72	RESIDENTIAL COST OF GAS RATE - 05/01/15	Company Analysis
73		LN 72 * 1.25
74		
75		
76	COM/IND LOW WINTER USE COST OF GAS RATE - 05/01/15	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 (05/01/15 - 10/31/15)	Company Analysis
83	Demand Cost of Gas Rate	LN 81 / LN 82
84		
85	C&I HLF Commodity Costs Allocated per SMBA	Schedule 10C, 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 (05/01/15 - 10/31/15)	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 - 05/01/15	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 (05/01/15 - 10/31/15)	Company Analysis
103	Demand Cost of Gas Rate	LN 101 / LN 102
104		
105	C&I LLF Commodity Costs Allocated per SMBA	Schedule 10C, 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 (05/01/15 - 10/31/15)	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)