

NEW HAMPSHIRE GAS CORPORATION

COST OF GAS RATE

SUMMER PERIOD 2011

CONTENTS

1. TARIFF PAGE	
2. MARKED TARIFF PAGE	
3. CONVERSION TABLE	ATTACHMENT A
4. SUPPLY-DEMAND BALANCE	ATTACHMENT B
5. INTEREST CALCULATION	ATTACHMENT C
6. ACTUAL -OVER/UNDER COLLECTION	ATTACHMENT D
7. PROPANE INVENTORY	ATTACHMENT E
8. SUPPLEMENTAL SCHEDULES	
A. BILL IMPACT ANALYSIS - RESIDENTIAL - FIXED PRICE	SUPPLEMENTAL SCHEDULE A
B. BILL IMPACT ANALYSIS - RESIDENTIAL - NON-FIXED PRICE	SUPPLEMENTAL SCHEDULE B
C. PROPANE MARKET PURCHASE COST ANALYSIS	SUPPLEMENTAL SCHEDULE C
D. SURCHARGE SCHEDULE	SUPPLEMENTAL SCHEDULE D
E. PREMIUM FOR PRE-PURCHASED VOLUMES ANALYSIS	SUPPLEMENTAL SCHEDULE E
F. COMPARISON OF CONTRACT PRICE TO SPOT PRICE	SUPPLEMENTAL SCHEDULE F
G. WEATHER NORMALIZATION - SENDOUT	SUPPLEMENTAL SCHEDULE G
H. WEATHER NORMALIZATION - SALES	SUPPLEMENTAL SCHEDULE H

New Hampshire Gas Corporation

Calculation of the Cost of Gas Rate

Period Covered: Summer Period May 1, 2011 through October 31, 2011

<u>Total Anticipated Cost</u>		<u>Therms</u>	<u>Cost/ Therm</u>	
	Propane	321,271	\$1.6634	\$534,401
Add:	Prior Period (Deficiency Uncollected) Interest		\$10,753 (\$649)	
Deduct:	Prior Period (Excess Collected) Interest		\$0 \$0	
	Prior Period Adjusted			\$10,104
Total Anticipated Cost				<u>\$544,505</u>
Projected Gas Sales				298,632 therms
<u>Cost of Gas</u>				
Beginning Period Cost of Gas Rate				<u>\$1.8233</u> per therm

Pursuant to tariff section 17(d), the Company may adjust the approved cost of gas rate upward on a monthly basis to the following rate:

Maximum Cost of Gas Rate \$2.2791 per therm

Issued: April __, 2011
Effective: May 1, 2011

Issued By: _____
Michael D. Eastman
Treasurer

In Compliance with DG 11- ____, Order No. _____

New Hampshire Gas Corporation

Calculation of the Cost of Gas Rate

Period Covered: ~~Summer Period May 1, 2010 through October 31, 2010~~
Summer Period May 1, 2011 through October 31, 2011

<u>Total Anticipated Cost</u>		<u>Therms</u>	<u>Cost/ Therm</u>	
	Propane	325,421	\$ 1.4590	\$ 474,789
		321,271	\$ 1.6634	\$ 534,401
Add:	Prior Period (Deficiency Uncollected)		\$ 14,915	\$ 10,753
	Interest		\$ (513)	\$ (649)
Deduct:	Prior Period (Excess Collected)		\$ -	
	Interest		\$ -	
	Prior Period Adjusted			\$ 14,402 \$ 10,104
	Total Anticipated Cost			\$ 489,191 \$ 544,505
	<u>Projected Gas Sales</u>			291,257 therms 298,632 therms
	<u>Cost of Gas</u>			
	Beginning Period Cost of Gas Rate		\$ 1.6796 per therm \$ 1.8233 per therm	
	Mid-Period Rate Adjustment - 7-1-10		\$ (0.1352) per therm	
	Mid-Period Rate Adjustment - 9-1-10		\$ 0.0859 per therm	
	Mid-Period Rate Adjustment - 10-1-10		\$ 0.1984 per therm	
	Revised Cost of Gas Rate Effective October 1, 2010		<u>\$ 1.9724</u> per therm	

Pursuant to tariff section 17(d), the Company may adjust the approved cost of gas rate upward on a monthly basis within the following range:

Maximum Cost of Gas Rate	\$ 2.0995 per therm
	\$ 2.2791 per therm

Issued : ~~April 29, 2010~~ April __, 2011
Effective: ~~May 1, 2010~~ May 1, 2011

Issued By: Karen L. Zink Michael D. Eastman
Treasurer

In Compliance with DG 10-048, Order No. 25,098
In Compliance with DG 11- ____, Order No. _____

NEW HAMPSHIRE GAS CORPORATION

CONVERSION OF PRODUCED GAS COSTS TO THERMS

	1	2	3	4		5	6	7
				<u>VOLUMES</u>			<u>UNIT COST</u>	
	<u>PERIOD</u>	<u>UNIT</u>	<u>CONVERSION FACTOR</u>	<u>GALLONS</u>	<u>THERMS</u>		<u>PER GALLON</u>	<u>PER THERM</u>
PROPANE FROM INVENTORY	SUMMER 2011	GALLONS	0.91502	351,108	321,271		\$1.5220	\$1.6634

NEW HAMPSHIRE GAS CORPORATION

CALCULATION OF COST OF GAS RATE

SUPPLY / DEMAND BALANCE ALL VOLUMES IN THERMS

	PRIOR	MAY 11	JUN 11	JUL 11	AUG 11	SEP 11	OCT 11	TOTAL	LINE NO.
<u>SENDOUT</u>									
FIRM SENDOUT *		61,497	41,165	38,184	39,293	43,751	83,528	307,418	1
COMPANY USE		2,488	2,155	2,041	2,023	2,170	2,976	13,853	2
TOTAL SENDOUT		63,985	43,320	40,225	41,316	45,921	86,504	321,271	3
* UNACCTED FOR VOLS INCLUDED		1,004	672	624	642	714	1,364	5,020	4
<u>COSTS</u>									
PROPANE SENDOUT FROM ABOVE		63,985	43,320	40,225	41,316	45,921	86,504	321,271	5
COST/THERM FROM ATTACHMENT E		\$1.6375	\$1.6507	\$1.6591	\$1.6659	\$1.6740	\$1.6841	\$1.6634	6
TOTAL PROPANE COSTS		\$104,774	\$71,507	\$66,739	\$68,828	\$76,874	\$145,678	\$534,401	7
<u>REVENUES</u>									
FIRM SALES		84,791	51,550	44,319	35,842	36,046	46,084	298,632	8
RATE/THERM PER TARIFF		\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	9
TOTAL REVENUES		\$154,602	\$93,993	\$80,808	\$65,352	\$65,724	\$84,026	\$544,505	10
-OVER/UNDER COLLECTION		(\$49,828)	(\$22,486)	(\$14,069)	\$3,476	\$11,150	\$61,652	(\$10,104)	11
INTEREST FROM ATTACHMENT C		(\$38)	(\$136)	(\$186)	(\$201)	(\$181)	(\$83)	(\$825)	12
11 FINAL -OVER/UNDER COLLECTION	\$10,929	(\$49,866)	(\$22,622)	(\$14,255)	\$3,276	\$10,969	\$61,568	\$0	13

NEW HAMPSHIRE GAS CORPORATION

COG REFUND INTEREST CALCULATION FOR THE SUMMER PERIOD MAY 2011 THROUGH OCTOBER 2011

LINE NO.	MONTH	(1) BEG. OF MONTH BALANCE	(2) -OVER UNDER COLLECT	(3) REFUNDS	(4) END OF MONTH BALANCE (COL.1+2+3)	(5) AVERAGE BALANCE COL. (COL. 1+4/2)	(6) ANNUAL INTEREST RATE	(7) INTEREST AMOUNT	(8) END MONTH BAL. WITH INTEREST (COL. 4+7)
1	NOV 2010	\$10,753	\$0	\$0	\$10,753	\$10,753	3.25%	\$29	\$10,782
2	DEC	10,782	0	0	10,782	10,782	3.25%	29	10,812
3	JAN 2011	10,812	0	0	10,812	10,812	3.25%	29	10,841
4	FEB	10,841	0	0	10,841	10,841	3.25%	29	10,870
5	MAR	10,870	0	0	10,870	10,870	3.25%	29	10,900
6	APR	10,900	0	0	10,900	10,900	3.25%	30	10,929
7	MAY	10,929	(49,828)	0	(38,898)	(13,985)	3.25%	(38)	(38,936)
8	JUN	(38,936)	(22,486)	0	(61,422)	(50,179)	3.25%	(136)	(61,558)
9	JUL	(61,558)	(14,069)	0	(75,627)	(68,593)	3.25%	(186)	(75,813)
10	AUG	(75,813)	3,476	0	(72,336)	(74,075)	3.25%	(201)	(72,537)
11	SEP	(72,537)	11,150	0	(61,387)	(66,962)	3.25%	(181)	(61,568)
12	OCT	(61,568)	61,652	0	83	(30,743)	3.25%	(83)	0
								<u>(\$649)</u>	

BEG. BAL. w/INTEREST = -OVER/UNDER BEG.BAL. @ NOV 2010 + INTEREST EXPENSE NOV 2010 THROUGH APR 2011

$$\begin{aligned}
 &= \text{COL. 1, LINE 1} && + && \text{COL. 7, LINES 1 TO 6} \\
 &= \underline{10,753} && + && \underline{176} \\
 &= \underline{\underline{10,929}} @ \text{MAY 1, 2011}
 \end{aligned}$$

NEW HAMPSHIRE GAS CORPORATION

ACTUAL -OVER/UNDER COLLECTION MAY 2010 THROUGH OCTOBER 2010

	<u>PRIOR</u>	<u>MAY</u>	<u>JUN</u>	<u>JUL</u>	<u>AUG</u>	<u>SEP</u>	<u>OCT</u>	<u>TOTAL</u>
1 SALES (THERMS)		75,063	46,581	39,776	35,842	36,046	43,980	277,288
2 COG RATE PER TARIFF		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.8287	
3 RECOVERED COSTS= SALES X COG RATE		\$126,075	\$78,237	\$61,430	\$55,354	\$58,766	\$80,426	\$460,288
4 USED BY UTILITY FOR MAKING GAS (THERMS)		2,488	2,155	2,041	2,023	2,170	2,976	13,853
5 HEATING DEGREE DAYS (Concord)		200	66	13	14	127	514	934
6 TOTAL SENDOUT (THERMS)		55,573	42,158	39,602	40,674	43,734	84,965	306,707
7 COST PER THERM		\$1.3944	\$1.4101	\$1.3939	\$1.4076	\$1.4502	\$1.6915	\$1.4885
8 TOTAL COSTS		\$77,491	\$59,448	\$55,200	\$57,253	\$63,426	\$143,716	\$456,533
9 ACTUAL -OVER/ UNDER COLLECTION		(\$48,584)	(\$18,789)	(\$6,229)	\$1,899	\$4,660	\$63,290	(\$3,754)
10 INTEREST AMOUNT		(\$25)	(\$116)	(\$150)	(\$157)	(\$148)	(\$56)	(\$652)
11 FINAL -OVER/UNDER COLLECTION	\$15,159	(\$33,450)	(\$52,355)	(\$58,735)	(\$56,992)	(\$52,481)	\$10,753	

NEW HAMPSHIRE GAS CORPORATION
PROPANE INVENTORY
FOR THE SUMMER PERIOD MAY TO OCTOBER 2011

LINE NO.

				<u>Rate</u>			
		<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>		
1	April 2011 (Estimated)						
2							
3	Beginning Balance	68,220	\$112,141	\$1.6438	\$1.5041		
4	Received during month	75,000	\$117,195	\$1.5626	\$1.4298		
5	Total Available	143,220	\$229,336	\$1.6013	\$1.4652		
6	Less Vapor	88,719	\$142,064	\$1.6013	\$1.4652		
7	Ending Balance	54,501	\$87,271	\$1.6013	\$1.4652		
8							
9							
10	May 2011 (Forecasted)						
11							
12	Beginning Balance	54,501	\$87,271	\$1.6013	\$1.4652		
13	Received during month	75,000	\$124,784	\$1.6638	\$1.5224		
14	Total Available	129,501	\$212,056	\$1.6375	\$1.4983		
15	Less Vapor	63,985	\$104,774	\$1.6375	\$1.4983	63,985	\$104,774
16	Ending Balance	65,516	\$107,281	\$1.6375	\$1.4983		
17							
18							
19	June 2011 (Forecasted)						
20							
21	Beginning Balance	65,516	\$107,281	\$1.6375	\$1.4983		
22	Received during month	50,000	\$83,397	\$1.6679	\$1.5262		
23	Total Available	115,516	\$190,678	\$1.6507	\$1.5104		
24	Less Vapor	43,320	\$71,507	\$1.6507	\$1.5104	43,320	\$71,507
25	Ending Balance	72,196	\$119,171	\$1.6507	\$1.5104		
26							
27							
28	July 2011 (Forecasted)						
29							
30	Beginning Balance	72,196	\$119,171	\$1.6507	\$1.5104		
31	Received during month	45,000	\$75,274	\$1.6728	\$1.5306		
32	Total Available	117,196	\$194,445	\$1.6591	\$1.5182		
33	Less Vapor	40,225	\$66,739	\$1.6591	\$1.5182	40,225	\$66,739
34	Ending Balance	76,971	\$127,706	\$1.6591	\$1.5182		
35							
36							
37	August 2011 (Forecasted)						
38							
39	Beginning Balance	76,971	\$127,706	\$1.6591	\$1.5182		
40	Received during month	45,000	\$75,485	\$1.6774	\$1.5349		
41	Total Available	121,971	\$203,191	\$1.6659	\$1.5243		
42	Less Vapor	41,316	\$68,828	\$1.6659	\$1.5243	41,316	\$68,828
43	Ending Balance	80,655	\$134,363	\$1.6659	\$1.5243		
44							
45							
46	September 2011 (Forecasted)						
47							
48	Beginning Balance	80,655	\$134,363	\$1.6659	\$1.5243		
49	Received during month	60,000	\$101,099	\$1.6850	\$1.5418		
50	Total Available	140,655	\$235,462	\$1.6740	\$1.5318		
51	Less Vapor	45,921	\$76,874	\$1.6740	\$1.5318	45,921	\$76,874
52	Ending Balance	94,734	\$158,589	\$1.6740	\$1.5318		
53							
54							
55	October 2011 (Forecasted)						
56							
57	Beginning Balance	94,734	\$158,589	\$1.6740	\$1.5318		
58	Received during month	90,000	\$152,515	\$1.6946	\$1.5506		
59	Total Available	184,734	\$311,103	\$1.6841	\$1.5410		
60	Less Vapor	86,504	\$145,678	\$1.6841	\$1.5410	86,504	\$145,678
61	Ending Balance	98,230	\$165,425	\$1.6841	\$1.5410		
62							
63							
			AVERAGE SUMMER RATE	\$1.6634	321,271	\$534,401	

**New Hampshire Gas Corporation
 Typical Residential Heating Bill - Fixed Price Option Program
 Forecasted 2011 Summer Period vs. Actual 2010 Summer Period**

12 MONTHS ENDED 10/2010	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	Winter Nov-Apr	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Summer May-Oct	Total Nov-Oct
Typical Usage (therms):	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Residential Heating															
Customer Charge	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$98.40
Delivery Charge:															
First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$513.31	\$85.55	\$58.82	\$32.08	\$32.08	\$44.91	\$75.93	\$329.38	\$842.69
Next 120 therms @ \$0.8614	\$24.98	\$60.30	\$92.17	\$93.03	\$74.08	\$44.79	\$389.35	\$8.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.61	\$397.97
Over 200 therms @ \$0.7118	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Base Delivery Revenue Total	\$118.73	\$154.05	\$185.92	\$186.78	\$167.83	\$138.54	\$951.86	\$102.37	\$67.02	\$40.28	\$40.28	\$53.11	\$84.13	\$387.19	\$1,339.05
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Rate Case Surcharge Total	\$6.43	\$8.85	\$11.03	\$11.09	\$9.79	\$7.79	\$54.99	\$7.66	\$4.68	\$2.55	\$2.55	\$3.57	\$6.04	\$27.06	\$82.05
COG Rates - (Seasonal)	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.8287	\$1.6809	
Cost of Gas Total	\$146.08	\$201.03	\$250.62	\$251.96	\$222.47	\$176.91	\$1,249.07	\$151.16	\$92.38	\$46.33	\$46.33	\$68.47	\$129.84	\$534.52	\$1,783.58
Total Bill	\$271	\$364	\$448	\$450	\$400	\$323	\$2,256	\$261	\$164	\$89	\$89	\$125	\$220	\$949	\$3,205
12 MONTHS ENDED 10/2011	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	Winter Nov-Apr	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Summer May-Oct	Total Nov-Oct
Typical Usage (therms):	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Residential Heating															
Customer Charge	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60	\$103.20
Delivery Charge:															
First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.18	\$88.86	\$61.09	\$33.32	\$33.32	\$46.65	\$78.87	\$342.13	\$875.31
Next 120 therms @ \$0.9028	\$26.18	\$63.20	\$96.60	\$97.50	\$77.64	\$46.95	\$408.07	\$9.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.03	\$417.09
Over 200 therms @ \$0.7532	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Base Delivery Revenue Total	\$123.65	\$160.66	\$194.06	\$194.97	\$175.10	\$144.41	\$992.85	\$106.49	\$69.69	\$41.92	\$41.92	\$55.25	\$87.47	\$402.75	\$1,395.60
Seasonal Base Delivery Difference from previous year							\$40.98							\$15.57	\$56.55
Seasonal Percent Change from previous year							4.3%							4.0%	4.2%
Rate Case Surcharge	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Rate Case Surcharge Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COG Rates (No FPO in Winter 2010-2011)	\$1.6356	\$1.6356	\$1.7608	\$1.8437	\$1.8437	\$1.8437		\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	
Cost of Gas Total	\$178.28	\$245.34	\$329.27	\$346.62	\$306.05	\$243.37	\$1,648.93	\$164.10	\$100.28	\$54.70	\$54.70	\$76.58	\$129.45	\$579.81	\$2,228.74
Seasonal COG Difference from previous year							\$399.86							\$45.29	\$445.15
Seasonal Percent Change from previous year							32.0%							8.5%	25.0%
Total Bill	\$302	\$406	\$523	\$542	\$481	\$388	\$2,642	\$271	\$170	\$97	\$97	\$132	\$217	\$983	\$3,624
Seasonal Total Bill Difference from previous year							\$385.86							\$33.80	\$419.66
Seasonal Percent Change from previous year							17.1%							3.6%	13.1%
Seasonal Percent Change resulting from Base Delivery							1.8%							1.6%	1.8%
Seasonal Percent Change resulting from COG							17.7%							4.8%	13.9%

**New Hampshire Gas Corporation
 Typical Residential Heating Bill - Non-Fixed Price Option Program
 Forecasted 2011 Summer Period vs. Actual 2010 Summer Period**

12 MONTHS ENDED 10/2010	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	Winter Nov-Apr	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Summer May-Oct	Total Nov-Oct
Typical Usage (therms):	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Residential Heating															
Customer Charge	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$98.40
Delivery Charge:															
First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$513.31	\$85.55	\$58.82	\$32.08	\$32.08	\$44.91	\$75.93	\$329.38	\$842.69
Next 120 therms @ \$0.8614	\$24.98	\$60.30	\$92.17	\$93.03	\$74.08	\$44.79	\$389.35	\$8.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.61	\$397.97
Over 200 therms @ \$0.7118	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Base Delivery Revenue Total	\$118.73	\$154.05	\$185.92	\$186.78	\$167.83	\$138.54	\$951.86	\$102.37	\$67.02	\$40.28	\$40.28	\$53.11	\$84.13	\$387.19	\$1,339.05
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Rate Case Surcharge Total	\$6.43	\$8.85	\$11.03	\$11.09	\$9.79	\$7.79	\$54.99	\$7.66	\$4.68	\$2.55	\$2.55	\$3.57	\$6.04	\$27.06	\$82.05
COG Rates	\$1.3743	\$1.3743	\$1.4796	\$1.5103	\$1.6374	\$1.5178		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.8287	\$1.6809	
Cost of Gas Total	\$149.80	\$206.15	\$276.69	\$283.94	\$271.81	\$200.35	\$1,388.72	\$151.16	\$92.38	\$46.33	\$46.33	\$68.47	\$129.84	\$534.52	\$1,923.24
Total Bill	\$275	\$369	\$474	\$482	\$449	\$347	\$2,396	\$261	\$164	\$89	\$89	\$125	\$220	\$949	\$3,344
12 MONTHS ENDED 10/2011	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	Winter Nov-Apr	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Summer May-Oct	Total Nov-Oct
Typical Usage (therms):	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Residential Heating															
Customer Charge	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60	\$103.20
Delivery Charge:															
First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.18	\$88.86	\$61.09	\$33.32	\$33.32	\$46.65	\$78.87	\$342.13	\$875.31
Next 120 therms @ \$0.9028	\$26.18	\$63.20	\$96.60	\$97.50	\$77.64	\$46.95	\$408.07	\$9.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.03	\$417.09
Over 200 therms @ \$0.7532	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Base Delivery Revenue Total	\$123.65	\$160.66	\$194.06	\$194.97	\$175.10	\$144.41	\$992.85	\$106.49	\$69.69	\$41.92	\$41.92	\$55.25	\$87.47	\$402.75	\$1,395.60
Seasonal Base Delivery Difference from previous year							\$40.98							\$15.57	\$56.55
Seasonal Percent Change from previous year							4.3%							4.0%	4.2%
Rate Case Surcharge	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Rate Case Surcharge Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
COG Rates	\$1.6356	\$1.6356	\$1.7608	\$1.8437	\$1.8437	\$1.8437		\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	\$1.8233	
Cost of Gas Total	\$178.28	\$245.34	\$329.27	\$346.62	\$306.05	\$243.37	\$1,648.93	\$164.10	\$100.28	\$54.70	\$54.70	\$76.58	\$129.45	\$579.81	\$2,228.74
Seasonal COG Difference from previous year							\$260.20							\$45.29	\$305.50
Seasonal Percent Change from previous year							18.7%							8.5%	15.9%
Total Bill	\$302	\$406	\$523	\$542	\$481	\$388	\$2,642	\$271	\$170	\$97	\$97	\$132	\$217	\$983	\$3,624
Seasonal Total Bill Difference from previous year							\$246.20							\$33.80	\$280.00
Seasonal Percent Change from previous year							10.3%							3.6%	8.4%
Seasonal Percent Change resulting from Base Rates							1.7%							1.6%	1.7%
Seasonal Percent Change resulting from COG							10.9%							4.8%	9.1%

New Hampshire Gas Corporation
Propane Spot Market Purchase Cost Analysis
SUMMER 2011

		<u>Mt. Belvieu</u>		<u>Broker Fee</u>		<u>Subtotal</u>		<u>Pipeline Fee</u>		<u>PERC Fee</u>		<u>@ Selkirk</u>		<u>Truck to Keene</u>		<u>\$ per Gal.</u>		<u>\$ per Therm</u>
1	MAY	1.3206	+	0.0100	=	1.3306	+	0.1125	+	0.0040	=	1.4471	+	0.0753	=	1.5224	=	1.6638
2	JUNE	1.3244	+	0.0100	=	1.3344	+	0.1125	+	0.0040	=	1.4509	+	0.0753	=	1.5262	=	1.6679
3	JULY	1.3288	+	0.0100	=	1.3388	+	0.1125	+	0.0040	=	1.4553	+	0.0753	=	1.5306	=	1.6728
4	AUG	1.3331	+	0.0100	=	1.3431	+	0.1125	+	0.0040	=	1.4596	+	0.0753	=	1.5349	=	1.6774
5	SEPT	1.3400	+	0.0100	=	1.3500	+	0.1125	+	0.0040	=	1.4665	+	0.0753	=	1.5418	=	1.6850
6	OCT	1.3488	+	0.0100	=	1.3588	+	0.1125	+	0.0040	=	1.4753	+	0.0753	=	1.5506	=	1.6946

Mt. Belvieu settlement prices based on New York Mercantile propane futures market quotations of 3/16/11 - http://quotes.ino.com/exchanges/?r=CLRP_1R

Surcharges

n/a

**New Hampshire Gas Corporation
Premium for Pre-Purchased Volumes Analysis**

	Commodity Price		Pipeline Fee		Broker Fee		PERC		Trucking		NHGC Price	Contract Volumes	NHGC Cost	Plan Price	Contract Volumes	Plan Cost	Cost Premium	Per Gallon Premium
April '10	1.1300	+	0.1240	+	0.0100	+	0.0050	+	0.0693	=	1.3383	130,000	\$173,979	\$1.3980	130,000	\$181,740	\$7,761	0.0597
May '10	1.1275	+	0.1240	+	0.0100	+	0.0050	+	0.0693	=	1.3358	97,500	\$130,241	\$1.3955	97,500	\$136,061	\$5,821	0.0597
June '10	1.1325	+	0.1240	+	0.0100	+	0.0050	+	0.0693	=	1.3408	97,500	\$130,728	\$1.4005	97,500	\$136,549	\$5,821	0.0597
July '10	1.1438	+	0.1240	+	0.0100	+	0.0050	+	0.0693	=	1.3521	130,000	\$175,767	\$1.4118	130,000	\$183,528	\$7,761	0.0597
August '10	1.1525	+	0.1240	+	0.0100	+	0.0050	+	0.0693	=	1.3608	97,500	\$132,678	\$1.4205	97,500	\$138,499	\$5,821	0.0597
September '10	1.1613	+	0.1240	+	0.0100	+	0.0050	+	0.0693	=	1.3696	97,500	\$133,531	\$1.4293	97,500	\$139,352	\$5,821	0.0597
Total												650,000	\$876,923		650,000	\$915,728	\$38,805	0.0597

New Hampshire Gas Corporation
Comparison of Contract Price to Average Monthly Spot Price

Delivery Month	Contract Price ¹ (1)	Contract Volumes (2)	Contract Cost (3)	Average Delivered Spot Price ¹ (4)	Contract Volumes (5)	Hypothetical Spot Cost (6)	Incremental Cost / (Savings) of Plan (7)
			(1) x (2)			(4) x (5)	(3) - (6)
Nov-10	\$1.5075	85,000	\$128,137	\$1.6835	85,000	\$143,101	(\$14,964)
Dec-10	\$1.5219	130,000	\$197,847	\$1.6888	130,000	\$219,538	(\$21,691)
Jan-11	\$1.5607	190,000	\$296,538	\$1.8664	190,000	\$354,612	(\$58,074)
Feb-11	\$1.5156	140,000	\$212,183	\$1.8779	140,000	\$262,905	(\$50,721)
Total			\$834,706			\$980,155	(\$145,450)

1. Prices include freight costs and wait times.

New Hampshire Gas Corporation Weather Normalization - Firm Sendout													
Month (2010)	Actual Firm Sendout	Base Use	Heat Use	Actual Calendar Month Degree Days	Normal Calendar Month Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normalized Firm Sendout	Actual Company Use	Unaccounted For 1.66%	Total Firm Sendout
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
			(1) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)		(10 - 11) * 1.66%	(10) - (11) +(12)
May	55,573	40,138	15,434	200	296	(96)	77.17	7,409	22,843	62,981	2,488	1,004	61,497
June	42,158	40,138	2,020	66	82	(16)	30.61	490	2,510	42,648	2,155	672	41,165
July	39,602	40,138	0	13	16	(3)	0.00	0	0	39,602	2,041	624	38,184
August	40,674	40,138	0	14	32	(18)	0.00	0	0	40,674	2,023	642	39,293
September	43,734	40,138	3,596	127	179	(52)	28.32	1,472	5,069	45,207	2,170	714	43,751
October	84,965	40,138	44,827	514	516	(2)	87.21	174	45,002	85,140	2,976	1,364	83,528
Total	306,707	240,829	65,878	934	1,121	(187)		9,545	75,423	316,252	13,853	5,020	307,418

New Hampshire Gas Corporation Weather Normalization - Sales Rate Residential											
Month (2010)	Billing Cycle Customers	Billing Cycle Sales	Base Load	Heating Load	Billing Cycle Monthly Actual Degree Days	Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(1) - (3)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
May	801	17,994	6,658	11,336	432	541	(109)	26.24	2,860	14,196	20,854
June	739	10,143	6,658	3,485	180	264	(84)	19.36	1,626	5,111	11,769
July	752	8,008	6,658	1,350	58	72	(14)	23.28	326	1,676	8,334
August	743	6,343	6,658	0	13	19	(6)	0.00	0	0	6,343
September	756	6,973	6,658	0	34	59	(25)	0.00	0	0	6,973
October	770	8,790	6,658	2,132	186	231	(45)	11.46	516	2,648	9,306
Total		58,251	39,948	18,303	903	1,186	(283)	18.83	5,328	23,631	63,579

New Hampshire Gas Corporation Weather Normalization - Sales Rate Commercial											
Month (2010)	Billing Cycle Customers	Billing Cycle Sales	Base Load	Heating Load	Billing Cycle Monthly Actual Degree Days	Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(1) - (3)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
May	341	57,069	29,286	27,783	445	555	(110)	62.43	6,868	34,651	63,937
June	344	36,438	29,286	7,152	184	270	(86)	38.87	3,343	10,495	39,781
July	347	34,718	29,286	5,432	60	74	(14)	90.53	1,267	6,699	35,985
August	339	29,499	29,286	0	13	18	(5)	0.00	0	0	29,499
September	340	29,073	29,286	0	30	53	(23)	0.00	0	0	29,073
October	344	35,190	29,286	5,904	171	217	(46)	34.53	1,588	7,492	36,778
Total		221,987	175,716	46,271	903	1,187	(284)	46.01	13,066	59,337	235,053