

NEW HAMPSHIRE GAS CORPORATION

CONVERSION OF PRODUCED GAS COSTS TO THERMS

	1	2	3	4	5	6	7
				VOLUMES		UNIT COST	
	<u>PERIOD</u>	<u>UNIT</u>	<u>CONVERSION FACTOR</u>	<u>GALLONS</u>	<u>THERMS</u>	<u>PER GALLON</u>	<u>PER THERM</u>
PRODUCED GAS	WINTER 2010-2011	GALLONS	0.91502	1,166,988	1,067,818	\$1.3342	\$1.4581

NEW HAMPSHIRE GAS CORPORATION

CALCULATION OF COST OF GAS ADJUSTMENT

SUPPLY / DEMAND BALANCE ALL VOLUMES IN THERMS

Line No.		NOV 2010	DEC 2010	JAN 2011	FEB 2011	MAR 2011	APR 2011	TOTAL
	<u>SENDOUT</u>							
1	FIRM SENDOUT *	121,107	212,021	245,208	211,316	162,557	85,808	1,038,017
2								
3	COMPANY USE	3,675	6,364	7,085	5,530	4,236	2,911	29,801
4								
5	TOTAL SENDOUT	124,782	218,385	252,293	216,846	166,793	88,719	1,067,818
6								
7	* UNACCTED FOR VOLS INCLUDED	1,978	3,462	4,004	3,451	2,654	1,401	16,950
8								
9	<u>COSTS</u>							
10								
11	PROPANE SENDOUT	124,782	218,385	252,293	216,846	166,793	88,719	1,067,818
12	FROM ABOVE							
13								
14	COST/THERM	\$1.4407	\$1.4613	\$1.4732	\$1.4671	\$1.4466	\$1.4312	
15								
16	FPO PREMIUM	(\$292)	(\$399)	(\$845)	(\$758)	(\$692)	(\$514)	(\$3,500)
17								
18	TOTAL PROPANE COSTS	\$179,485	\$318,736	\$370,826	\$317,370	\$240,587	\$126,459	\$1,553,462
19								
20	<u>REVENUES</u>							
21								
22	FIRM SALES	84,823	115,888	245,514	220,142	201,062	149,384	1,016,812
23								
24	RATE/THERM AVERAGE	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.5025	
25								
26	TOTAL COG REVENUES	\$127,444	\$174,119	\$368,879	\$330,758	\$302,091	\$224,446	\$1,527,736
27								
28	UNDER/(OVER) COLLECTION	\$52,041	\$144,617	\$1,947	(\$13,388)	(\$61,504)	(\$97,987)	\$25,726
29								
30	INTEREST FROM ATTACHMENT C	(\$4)	\$263	\$462	\$448	\$347	\$132	\$1,648
31								
32	FINAL UNDER/(OVER) COLLECTION	(\$27,374)	\$24,663	\$171,952	\$159,012	\$97,855	\$0	

New Hampshire Gas Corporation
2010-2011 Winter Hedging Schedule

	<u>April - 2010</u>	<u>May-2010</u>	<u>June-2010</u>	<u>July-2010</u>	<u>August-2010</u>	<u>September-2010</u>	<u>Total</u>	Line <u>No.</u>
November	17,000	12,750	12,750	17,000	12,750	12,750	85,000	1 2
December	26,000	19,500	19,500	26,000	19,500	19,500	130,000	3
January	38,000	28,500	28,500	38,000	28,500	28,500	190,000	4
February	28,000	21,000	21,000	28,000	21,000	21,000	140,000	5
March	20,000	15,000	15,000	20,000	15,000	15,000	100,000	6
April	11,000	8,250	8,250	11,000	8,250	8,250	55,000	7
Total	140,000	105,000	105,000	140,000	105,000	105,000	700,000	8
								9
							Weighted	10
							Average	11
							Price	12
Purchase Price	\$1.4680	\$1.3185	\$1.2905	\$1.2950	\$1.3830	\$1.3995	\$1.3613	13

NEW HAMPSHIRE GAS CORPORATION

CGA REFUND INTEREST CALCULATION FOR THE WINTER PERIOD NOV., 2010 THROUGH APR., 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. 1+4/2	(6) ANNUAL INTEREST RATE	(7) INTEREST AMOUNT	(8) END MONTH BAL. WITH INTEREST COL. 4+7
1	MAY 2010	(\$26,933)	-	-	(\$26,933)	(\$26,933)	3.25	(\$73)	(\$27,006)
2	JUN	(\$27,006)	-	-	(\$27,006)	(\$27,006)	3.25	(\$73)	(\$27,079)
3	JUL	(\$27,079)	-	-	(\$27,079)	(\$27,079)	3.25	(\$73)	(\$27,152)
4	AUG	(\$27,152)	-	-	(\$27,152)	(\$27,152)	3.25	(\$74)	(\$27,226)
5	SEP	(\$27,226)	-	-	(\$27,226)	(\$27,226)	3.25	(\$74)	(\$27,300)
6	OCT	(\$27,300)	-	-	(\$27,300)	(\$27,300)	3.25	(\$74)	(\$27,374)
7	NOV	(\$27,374)	\$52,041	-	\$24,667	(\$1,354)	3.25	(\$4)	\$24,663
8	DEC	\$24,663	\$144,617	-	\$169,280	\$96,972	3.25	\$263	\$169,543
9	JAN 2011	\$169,543	\$1,947	-	\$171,490	\$170,517	3.25	\$462	\$171,952
10	FEB	\$171,952	(\$13,388)	-	\$158,564	\$165,258	3.25	\$448	\$159,012
11	MAR	\$159,012	(\$61,504)	-	\$97,508	\$128,260	3.25	\$347	\$97,855
12	APR	\$97,855	(\$97,987)	-	(\$132)	\$48,862	3.25	\$132	(\$0)
								<u>\$1,207</u>	

BEG. BAL. W/INTEREST = -OVER/UNDER BEG.BAL. @ MAY 10 + INTEREST EXPENSE MAY 10 THROUGH OCT 10

$$\begin{aligned}
 &= \text{COL. 1, LINE 1} && + && \text{COL. 7, LINES 1 TO 12} \\
 &= \underline{\underline{(\$26,933)}} && + && \underline{\underline{\$1,207}} \\
 &= \underline{\underline{(\$25,726)}}
 \end{aligned}$$

New Hampshire Gas Corporation

Attachment D
Supports Line 7 Column 1
Attachment CActual -Over/Under Collection November 2009 through April 2010
All in Therms

	ACTUAL PRIOR	ACTUAL NOV	ACTUAL DEC	ACTUAL JAN	ACTUAL FEB	ACTUAL MAR	ACTUAL APR	TOTALS
1 SALES								
FOR NON-FPO		75,106	89,213	198,811	173,062	148,688	105,760	790,640
FOR FPO		<u>13,849</u>	<u>18,593</u>	<u>43,219</u>	<u>35,846</u>	<u>31,061</u>	<u>20,919</u>	<u>163,487</u>
TOTAL THERMS		88,955	107,806	242,030	208,908	179,749	126,679	954,127
2 COG RATE PER TARIFF								
FOR NON-FPO		\$1.3743	\$1.3743	\$1.4796	\$1.5103	\$1.6374	\$1.5178	
FOR FPO		\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	
3 RECOVERED COSTS= SALES X COG RATE								
FOR NON-FPO		\$103,218	\$122,605	\$294,161	\$261,376	\$243,462	\$160,523	\$1,185,344
FOR FPO		<u>\$18,560</u>	<u>\$24,918</u>	<u>\$57,922</u>	<u>\$48,041</u>	<u>\$41,628</u>	<u>\$28,036</u>	<u>\$219,105</u>
TOTAL		\$121,779	\$147,522	\$352,081	\$309,417	\$285,186	\$188,558	\$1,404,542
4 USED BY UTILITY FOR MAKING GAS (THERMS)		3,675	6,364	7,085	5,530	4,236	2,911	29,801
HEATING DEGREE DAYS (CONCORD)		691	1229	1297	1005	786	481	5,489
5 TOTAL SENDOUT (THERMS)		112,038	222,014	237,491	193,085	139,205	78,527	982,360
6 COST PER THERM		\$1.2732	\$1.3568	\$1.3600	\$1.4093	\$1.3753	\$1.3485	
7 TOTAL COSTS		\$142,645	\$301,221	\$322,988	\$272,122	\$191,446	\$105,894	\$1,336,317
.....								
8 ACTUAL (OVER)/ UNDER COLLECTION		\$20,866	\$153,699	(\$29,092)	(\$37,295)	(\$93,740)	(\$82,664)	(\$68,226)
9 INTEREST AMOUNT		\$135	\$372	\$542	\$453	\$277	\$39	\$1,818
10 FINAL (OVER)/UNDER COLLECTION	\$39,475	\$60,476	\$214,547	\$185,996	\$149,155	\$55,692	(\$26,933)	

NEW HAMPSHIRE GAS CORPORATION
PROPANE INVENTORY
FOR THE WINTER PERIOD NOVEMBER 2010 TO APRIL 2011

LINE NO.							
1	September 2010 (Estimated)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>		
2							
3	Beginning Balance	55,609	\$78,276	\$1.4076	\$1.2880		
4	Received during month	75,000	\$103,650	\$1.3820	\$1.2646		
5	Total Available	130,609	\$181,926	\$1.3929	\$1.2745		
6	Less Vapor	50,143	\$69,844	\$1.3929	\$1.2745		
7	Ending Balance	80,466	\$112,082	\$1.3929	\$1.2745		
8							
9							
10	October 2010 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>		
11							
12	Beginning Balance	80,466	112,082	\$1.3929	\$1.2745		
13	Received during month	85,000	\$118,167	\$1.3902	\$1.2721		
14	Total Available	165,466	\$230,249	\$1.3915	\$1.2733		
15	Less Vapor	87,274	\$121,443	\$1.3915	\$1.2733		
16	Ending Balance	78,192	\$108,806	\$1.3915	\$1.2733		
17							
18							
19	November 2010 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>Therms</u>	<u>Cost</u>
20							
21	Beginning Balance	78,192	\$108,806	\$1.3915	\$1.2733		
22	Received during month	130,000	\$191,143	\$1.4703	\$1.3454		
23	Total Available	208,192	\$299,949	\$1.4407	\$1.3183		
24	Less Vapor	124,782	\$179,782	\$1.4407	\$1.3183	124,782	\$179,782
25	Ending Balance	83,411	\$120,167	\$1.4407	\$1.3182		
26							
27							
28	December 2010 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>Therms</u>	<u>Cost</u>
29							
30	Beginning Balance	83,411	\$120,167	\$1.4407	\$1.3182		
31	Received during month	220,000	\$323,220	\$1.4692	\$1.3443		
32	Total Available	303,411	\$443,387	\$1.4613	\$1.3372		
33	Less Vapor	218,385	\$319,135	\$1.4613	\$1.3372	218,385	\$319,135
34	Ending Balance	85,026	\$124,252	\$1.4613	\$1.3372		
35							
36							
37	January 2011 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>Therms</u>	<u>Cost</u>
38							
39	Beginning Balance	85,026	\$124,252	\$1.4613	\$1.3372		
40	Received during month	250,000	\$369,299	\$1.4772	\$1.3517		
41	Total Available	335,026	\$493,551	\$1.4732	\$1.3480		
42	Less Vapor	252,293	\$371,671	\$1.4732	\$1.3480	252,293	\$371,671
43	Ending Balance	82,733	\$121,880	\$1.4732	\$1.3480		
44							
45							
46	February 2011 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>Therms</u>	<u>Cost</u>
47							
48	Beginning Balance	82,733	\$121,880	\$1.4732	\$1.3480		
49	Received during month	215,000	\$314,915	\$1.4647	\$1.3403		
50	Total Available	297,733	\$436,795	\$1.4671	\$1.3424		
51	Less Vapor	216,846	\$318,133	\$1.4671	\$1.3424	216,846	\$318,133
52	Ending Balance	80,887	\$118,662	\$1.4671	\$1.3424		
53							
54							
55	March 2011 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>Therms</u>	<u>Cost</u>
56							
57	Beginning Balance	80,887	\$118,662	\$1.4670	\$1.3423		
58	Received during month	160,000	\$229,800	\$1.4362	\$1.3142		
59	Total Available	240,887	\$348,462	\$1.4466	\$1.3236		
60	Less Vapor	166,793	\$241,283	\$1.4466	\$1.3236	166,793	\$241,283
61	Ending Balance	74,094	\$107,179	\$1.4465	\$1.3236		
62							
63							
64	April 2011 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>	<u>Therms</u>	<u>Cost</u>
65							
66	Beginning Balance	74,094	\$107,179	\$1.4465	\$1.3236		
67	Received during month	75,000	\$106,201	\$1.4160	\$1.2957		
68	Total Available	149,094	\$213,380	\$1.4312	\$1.3096		
69	Less Vapor	88,719	\$126,973	\$1.4312	\$1.3096	88,719	\$126,973
70	Ending Balance	60,375	\$86,407	\$1.4312	\$1.3096		
71							
72				TOTALS		\$1,4581	1,067,818 \$1,556,962

**New Hampshire Gas Corporation
Fixed Price Option Program
Forecasted 2010-2011 Winter Period vs. Actual 2009-2010 Winter Period**

Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Typical Residential Heating Bill															
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Residential Heating Typical Usage:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Winter:															
Cust. Chg.	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20								
Delivery Charge:															
First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$513.29								
Next 120 therms @ \$0.8614	\$24.98	\$60.29	\$92.16	\$93.03	\$74.08	\$44.79	\$389.33								
Over 200 therms @ \$0.7118	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
Summer:															
Cust. Chg.								\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.20
Delivery Charge:															
First 80 therms @ \$0.9458								\$75.66	\$52.02	\$28.37	\$28.37	\$39.72	\$67.15	\$291.31	\$804.60
Next 120 therms @ \$0.7378								\$7.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.38	\$396.71
Over 200 therms @ \$0.5882								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Customer Charge/Base Rate Amount	\$118.73	\$154.04	\$185.91	\$186.77	\$167.82	\$138.54	\$951.82	\$90.04	\$59.02	\$35.37	\$35.37	\$46.72	\$74.15	\$340.68	\$1,292.50
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenues Surcharge	\$6.43	\$8.85	\$11.03	\$11.09	\$9.79	\$7.79	\$54.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.99
CGA Rates - (Seasonal)	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402		\$1.0537	\$1.1165	\$1.3171	\$1.3171	\$1.3171	\$1.3171	\$1.2079	
Total COG	\$146.08	\$201.03	\$250.62	\$251.96	\$222.47	\$176.91	\$1,249.07	\$94.83	\$61.41	\$39.51	\$39.51	\$55.32	\$93.51	\$384.10	\$1,633.17
Total Bill	\$271	\$364	\$448	\$450	\$400	\$323	\$2,256	\$185	\$120	\$75	\$75	\$102	\$168	\$725	\$2,981
Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Typical Residential Heating Bill															
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Residential Heating Typical Usage:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Winter:															
Cust. Chg.	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60								
Delivery Charge:															
First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.17								
Next 120 therms @ \$0.9028	\$26.18	\$63.19	\$96.60	\$97.50	\$77.64	\$46.94	\$408.05								
Over 200 therms @ \$0.7532	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
Summer:															
Cust. Chg.								\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$100.80
Delivery Charge:															
First 80 therms @ \$1.0694								\$85.55	\$58.81	\$32.08	\$32.08	\$44.91	\$75.92	\$329.36	\$862.53
Next 120 therms @ \$0.8614								\$8.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.61	\$416.66
Over 200 therms @ \$0.7118								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Customer Charge/Base Rate Amount	\$123.64	\$160.65	\$194.06	\$194.96	\$175.10	\$144.41	\$992.82	\$102.36	\$67.01	\$40.28	\$40.28	\$53.11	\$84.12	\$387.17	\$1,379.99
Seasonal Cust. Charge/Base Rate Diff. from previous year							\$41.00							\$46.49	\$87.49
Seasonal Percent Change from previous year							4.3%							13.6%	6.8%
Rate Case Surcharge	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Total Rate Case Surcharge	\$0.00	\$7.66	\$4.68	\$2.55	\$2.55	\$3.57	\$6.04	\$27.06	\$27.06						
CGA Rates - (Seasonal)	\$1.5225	\$1.5225	\$1.5225	\$1.5225	\$1.5225	\$1.5225		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1.6366	
Total COG	\$165.95	\$228.37	\$284.70	\$286.23	\$252.73	\$200.97	\$1,418.95	\$151.16	\$92.38	\$46.33	\$46.33	\$68.47	\$115.75	\$520.43	\$1,939.38
Seasonal COG Difference from previous year							\$169.88							\$136.33	\$306.21
Seasonal Percent Change from previous year							13.6%							35.5%	18.7%
Total Bill	\$290	\$389	\$479	\$481	\$428	\$345	\$2,412	\$261	\$164	\$89	\$89	\$125	\$206	\$935	\$3,346
Seasonal Total Bill Difference from previous year							\$155.89							\$210	\$366
Seasonal Percent Change from previous year							6.9%							29.0%	12.3%
Seasonal Percent Change resulting from Base Rates							1.8%							6.4%	2.9%
Seasonal Percent Change resulting from COG							7.5%							18.8%	10.3%

**New Hampshire Gas Corporation
Non-Fixed Price Option Program
Forecasted 2010-2011 Winter Period vs. Actual 2009-2010 Winter Period**

Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Typical Residential Heating Bill															
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Residential Heating Typical Usage:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Winter:															
Cust. Chg.	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20								
Delivery Charge:															
First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$513.29								
Next 120 therms @ \$0.8614	\$24.98	\$60.29	\$92.16	\$93.03	\$74.08	\$44.79	\$389.33								
Over 200 therms @ \$0.7118	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
Summer:															
Cust. Chg.								\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.20
Delivery Charge:															
First 80 therms @ \$0.9458								\$75.66	\$52.02	\$28.37	\$28.37	\$39.72	\$67.15	\$291.31	\$804.60
Next 120 therms @ \$0.7378								\$7.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.38	\$396.71
Over 200 therms @ \$0.5882								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Customer Charge/Base Rate Amount	\$118.73	\$154.04	\$185.91	\$186.77	\$167.82	\$138.54	\$951.82	\$90.04	\$59.02	\$35.37	\$35.37	\$46.72	\$74.15	\$340.68	\$1,292.50
Deferred Revenues Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenues Surcharge	\$6.43	\$8.85	\$11.03	\$11.09	\$9.79	\$7.79	\$54.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$54.99
CGA Rates - (Seasonal)	\$1.3743	\$1.3743	\$1.4796	\$1.5103	\$1.6374	\$1.5178	\$1.4900	\$1.0537	\$1.1165	\$1.3171	\$1.3171	\$1.3171	\$1.3171	\$1.2079	
Total COG	\$149.80	\$206.15	\$276.69	\$283.94	\$271.81	\$200.35	\$1,388.72	\$94.83	\$61.41	\$39.51	\$39.51	\$55.32	\$93.51	\$384.10	\$1,772.82
Total Bill	\$275	\$369	\$474	\$482	\$449	\$347	\$2,396	\$185	\$120	\$75	\$75	\$102	\$168	\$725	\$3,120
Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Typical Residential Heating Bill															
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Residential Heating Typical Usage:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Winter:															
Cust. Chg.	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60								
Delivery Charge:															
First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.17								
Next 120 therms @ \$0.9028	\$26.18	\$63.19	\$96.60	\$97.50	\$77.64	\$46.94	\$408.05								
Over 200 therms @ \$0.7532	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00								
Summer:															
Cust. Chg.								\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$100.80
Delivery Charge:															
First 80 therms @ \$1.0694								\$85.55	\$58.81	\$32.08	\$32.08	\$44.91	\$75.92	\$329.36	\$862.53
Next 120 therms @ \$0.8614								\$8.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.61	\$416.66
Over 200 therms @ \$0.7118								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total Customer Charge/Base Rate Amount	\$123.64	\$160.65	\$194.06	\$194.96	\$175.10	\$144.41	\$992.82	\$102.36	\$67.01	\$40.28	\$40.28	\$53.11	\$84.12	\$387.17	\$1,379.99
Seasonal Cust. Charge/Base Rate Diff. from previous year							\$41.00							\$46.49	\$87.49
Seasonal Percent Change from previous year							4.3%							13.6%	6.8%
Rate Case Surcharge	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Total Rate Case Surcharge	\$0.00	\$7.66	\$4.68	\$2.55	\$2.55	\$3.57	\$6.04	\$27.06	\$27.06						
CGA Rates - (Seasonal)	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.4003	\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1.6366	
Total COG	\$163.77	\$225.37	\$280.96	\$282.47	\$249.41	\$198.33	\$1,400.31	\$151.16	\$92.38	\$46.33	\$46.33	\$68.47	\$115.75	\$520.43	\$1,920.74
Seasonal COG Difference from previous year							\$11.58							\$136.33	\$147.92
Seasonal Percent Change from previous year							0.8%							35.5%	8.3%
Total Bill	\$287	\$386	\$475	\$477	\$425	\$343	\$2,393	\$261	\$164	\$89	\$89	\$125	\$206	\$935	\$3,328
Seasonal Total Bill Difference from previous year							-\$2.41							\$210	\$207
Seasonal Percent Change from previous year							-0.1%							29.0%	6.6%
Seasonal Percent Change resulting from Base Rates							1.7%							6.4%	2.8%
Seasonal Percent Change resulting from COG							0.5%							18.8%	4.7%

New Hampshire Gas Corporation
 Fixed Price Option Program
 Forecasted 2010-2011 Winter Period vs. Actual 2009-2010 Winter Period

Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Commercial Bill															
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Commercial Typical Usage:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Winter:															
Cust. Chg.	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40								
Delivery Charge:															
First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$513.29								
Next 120 therms @ \$0.8614	\$97.33	\$103.36	\$103.36	\$103.36	\$103.36	\$103.36	\$78.38								
Over 200 therms @ \$0.7118	\$0.00	\$49.11	\$69.75	\$44.13	\$24.20	\$0.00	\$187.19								
Summer:															
Cust. Chg.								\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$84.00	\$182.40
Delivery Charge:															
First 80 therms @ \$0.9458								\$75.66	\$75.66	\$68.10	\$68.10	\$75.66	\$75.66	\$438.85	\$952.14
Next 120 therms @ \$0.7378								\$27.30	\$0.74	\$0.00	\$0.00	\$6.64	\$45.74	\$80.42	\$669.58
Over 200 therms @ \$0.5882								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187.19
Total Customer Charge/Base Rate Amount	\$199.28	\$254.42	\$275.06	\$249.44	\$229.51	\$180.33	\$1,388.04	\$116.96	\$90.40	\$82.10	\$82.10	\$96.30	\$135.41	\$603.27	\$1,991.32
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenues Surcharge	\$11.39	\$15.87	\$17.58	\$15.46	\$13.81	\$10.09	\$84.19	\$0.00	\$84.19						
CGA Rates - (Seasonal)	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402		\$1.0537	\$1.1165	\$1.3171	\$1.3171	\$1.3171	\$1.3171	\$1,2350	
Total COG	\$258.66	\$360.51	\$399.38	\$351.13	\$313.61	\$229.17	\$1,912.47	\$123.28	\$90.44	\$94.83	\$94.83	\$117.22	\$187.03	\$707.63	\$2,620.10
Total Bill	\$469	\$631	\$692	\$616	\$557	\$420	\$3,385	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,696
Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Commercial Bill															
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Commercial Typical Usage:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Winter:															
Cust. Chg.	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$103.20								
Delivery Charge:															
First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.17								
Next 120 therms @ \$0.9028	\$102.01	\$108.33	\$108.33	\$108.33	\$108.33	\$108.33	\$82.15								
Over 200 therms @ \$0.7532	\$0.00	\$51.97	\$73.81	\$46.70	\$25.61	\$0.00	\$198.08								
Summer:															
Cust. Chg.								\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40	\$201.60
Delivery Charge:															
First 80 therms @ \$1.0694								\$85.55	\$85.55	\$76.99	\$76.99	\$85.55	\$85.55	\$496.18	\$1,029.35
Next 120 therms @ \$0.8614								\$31.87	\$0.86	\$0.00	\$0.00	\$7.75	\$53.40	\$93.89	\$711.38
Over 200 therms @ \$0.7118								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$198.08
Total Customer Charge/Base Rate Amount	\$208.07	\$266.36	\$288.20	\$261.09	\$240.00	\$188.21	\$1,451.94	\$133.82	\$102.81	\$93.39	\$93.39	\$109.70	\$155.35	\$688.47	\$2,140.41
Seasonal Cust. Charge/Base Rate Diff. from previous year							\$63.90							\$85.20	\$149.09
Seasonal Percent Change from previous year							4.6%							14.1%	7.5%
Rate Case Surcharge	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Total Rate Case Surcharge	\$0.00	\$9.96	\$6.89	\$6.13	\$6.13	\$7.57	\$12.08	\$48.76	\$48.76						
CGA Rates - (Seasonal)	\$1.5225	\$1.5225	\$1.5225	\$1.5225	\$1.5225	\$1.5225		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1,6257	
Total COG	\$293.84	\$409.55	\$453.70	\$398.89	\$356.26	\$260.34	\$2,172.57	\$196.51	\$136.05	\$111.20	\$111.20	\$145.10	\$231.50	\$931.55	\$3,104.13
Seasonal COG Difference from previous year							\$260.11							\$223.92	\$484.03
Seasonal Percent Change from previous year							13.6%							31.6%	18.5%
Total Bill	\$502	\$676	\$742	\$660	\$596	\$449	\$3,625	\$340	\$246	\$211	\$211	\$262	\$399	\$1,669	\$5,293
Seasonal Total Bill Difference from previous year							\$239.81							\$358	\$598
Seasonal Percent Change from previous year							7.1%							27.3%	12.7%
Seasonal Percent Change resulting from Base Rates							1.9%							6.5%	3.2%
Seasonal Percent Change resulting from COG							7.7%							17.1%	10.3%

**New Hampshire Gas Corporation
Non-Fixed Price Option Program
Forecasted 2010-2011 Winter Period vs. Actual 2009-2010 Winter Period**

Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Commercial Bill															
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Commercial Typical Usage:	193	269	298	262	234	171	1427	117	81	72	72	89	142	573	2,000
Winter:															
Cust. Chg.	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40								
Delivery Charge:															
First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$85.55	\$513.29								
Next 120 therms @ \$0.8614	\$97.33	\$103.36	\$103.36	\$103.36	\$103.36	\$103.36	\$78.38								
Over 200 therms @ \$0.7118	\$0.00	\$49.11	\$69.75	\$44.13	\$24.20	\$0.00	\$187.19								
Summer:															
Cust. Chg.								\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$84.00	\$182.40
Delivery Charge:															
First 80 therms @ \$0.9458								\$75.66	\$75.66	\$68.10	\$68.10	\$75.66	\$75.66	\$438.85	\$952.14
Next 120 therms @ \$0.7378								\$27.30	\$0.74	\$0.00	\$0.00	\$6.64	\$45.74	\$80.42	\$669.58
Over 200 therms @ \$0.5882								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187.19
Total Customer Charge/Base Rate Amount	\$199.28	\$254.42	\$275.06	\$249.44	\$229.51	\$180.33	\$1,388.04	\$116.96	\$90.40	\$82.10	\$82.10	\$96.30	\$135.41	\$603.27	\$1,991.32
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenues Surcharge	\$11.39	\$15.87	\$17.58	\$15.46	\$13.81	\$10.09	\$84.19	\$0.00	\$84.19						
CGA Rates - (Seasonal)	\$1.3743	\$1.3743	\$1.4796	\$1.5103	\$1.6374	\$1.5178	\$1.4816	\$1.0537	\$1.1165	\$1.3171	\$1.3171	\$1.3171	\$1.3171	\$1,2350	
Total COG	\$265.24	\$369.69	\$440.92	\$395.70	\$383.15	\$259.54	\$2,114.24	\$123.28	\$90.44	\$94.83	\$94.83	\$117.22	\$187.03	\$707.63	\$2,821.87
Total Bill	\$476	\$640	\$734	\$661	\$626	\$450	\$3,586	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,897
Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge Commercial Bill															
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Commercial Typical Usage:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Winter:															
Cust. Chg.	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$103.20								
Delivery Charge:															
First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.17								
Next 120 therms @ \$0.9028	\$102.01	\$108.33	\$108.33	\$108.33	\$108.33	\$108.33	\$82.15								
Over 200 therms @ \$0.7532	\$0.00	\$51.97	\$73.81	\$46.70	\$25.61	\$0.00	\$198.08								
Summer:															
Cust. Chg.								\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40	\$201.60
Delivery Charge:															
First 80 therms @ \$1.0694								\$85.55	\$85.55	\$76.99	\$76.99	\$85.55	\$85.55	\$496.18	\$1,029.35
Next 120 therms @ \$0.8614								\$31.87	\$0.86	\$0.00	\$0.00	\$7.75	\$53.40	\$93.89	\$711.38
Over 200 therms @ \$0.7118								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$198.08
Total Customer Charge/Base Rate Amount	\$208.07	\$266.36	\$288.20	\$261.09	\$240.00	\$188.21	\$1,451.94	\$133.82	\$102.81	\$93.39	\$93.39	\$109.70	\$155.35	\$688.47	\$2,140.41
Seasonal Cust. Charge/Base Rate Diff. from previous year							\$63.90							\$85.20	\$149.09
Seasonal Percent Change from previous year							4.6%							14.1%	7.5%
Rate Case Surcharge	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Total Rate Case Surcharge	\$0.00	\$9.96	\$6.89	\$6.13	\$6.13	\$7.57	\$12.08	\$48.76	\$48.76						
CGA Rates - (Seasonal)	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.5025	\$1.4403	\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1,6257	
Total COG	\$289.98	\$404.17	\$447.74	\$393.65	\$351.58	\$256.92	\$2,144.03	\$196.51	\$136.05	\$111.20	\$111.20	\$145.10	\$231.50	\$931.55	\$3,075.59
Seasonal COG Difference from previous year							\$29.79							\$223.92	\$253.71
Seasonal Percent Change from previous year							1.4%							31.6%	9.0%
Total Bill	\$498	\$671	\$736	\$655	\$592	\$445	\$3,596	\$340	\$246	\$211	\$211	\$262	\$399	\$1,669	\$5,265
Seasonal Total Bill Difference from previous year							\$9.50							\$358	\$367
Seasonal Percent Change from previous year							0.3%							27.3%	7.5%
Seasonal Percent Change resulting from Base Rates							1.8%							6.5%	3.0%
Seasonal Percent Change resulting from COG							0.8%							17.1%	5.2%

Propane Market Purchase Cost Analysis
WINTER 2010 - 2011

LINE
NO.

LINE NO.		<u>Mt. Belvieu</u>	<u>Broker Fees</u>	=		<u>Pipeline Fees</u>	=	<u>@ Selkirk</u>	<u>PERC</u>	+	<u>Truck to Keene</u>	=	<u>\$ per Gal.</u>	=	<u>Therm</u>
1															
2															
3															
4	NOV	1.1225	+ 0.0100	=	1.1325	+ 0.1125	=	1.2450	+ 0.0050	+	0.0690	=	1.3190	=	1.4415
5															
6	DEC	1.1275	+ 0.0100	=	1.1375	+ 0.1125	=	1.2500	+ 0.0050	+	0.0690	=	1.3240	=	1.4470
7															
8	JAN	1.1338	+ 0.0100	=	1.1438	+ 0.1125	=	1.2563	+ 0.0050	+	0.0690	=	1.3303	=	1.4538
9															
10	FEB	1.1133	+ 0.0100	=	1.1233	+ 0.1125	=	1.2358	+ 0.0050	+	0.0690	=	1.3098	=	1.4315
11															
12	MAR	1.0604	+ 0.0100	=	1.0704	+ 0.1125	=	1.1829	+ 0.0050	+	0.0690	=	1.2569	=	1.3737
13															
14	APR	1.0131	+ 0.0100	=	1.0231	+ 0.1125	=	1.1356	+ 0.0050	+	0.0690	=	1.2096	=	1.3220
15															
16															

17 Mt. Belvieu settlement prices based on Clearport propane futures market quotations as of 9/10/2010.

18 Website: http://quotes.ino.com/exchanges/contracts.html?r=CLRP_B0

Surcharge

n/a

New Hampshire Gas Corporation COG FPO vs Non-FPO Price Comparison									
Winter Period	FPO Rate	Amount of Premium	Percent Participation (therms)	Actual FPO Volumes	Premium Revenue	Typical Residential FPO bill	Average Non-FPO Rate	Typical Residential non-FPO bill	Cost/(Savings) to FPO Customers
2009-2010	\$1.3402	\$0.02	17.12%	163,486	\$3,270	\$2,256	\$1.4900	\$2,396	(\$140)
2008-2009	\$2.2408	\$0.02	21.08%	205,970	\$4,119	\$2,974	\$1.7347	\$2,492	\$482
2007-2008	\$1.5212	\$0.02	28.01%	266,419	\$5,328	\$2,288	\$1.7646	\$2,520	(\$232)
2006-2007	\$1.4741	\$0.02	21.86%	206,686	\$4,134	\$2,250	\$1.5397	\$2,313	(\$63)
2005-2006	\$1.5260	\$0.02	42.91%	348,849	\$6,977	\$2,248	\$1.3742	\$2,103	\$145
2004-2005	\$1.2323	n/a	39.44%	340,315	n/a	\$1,946	\$1.2647	\$1,976	(\$30)
2003-2004	\$0.8877	n/a	38.78%	316,300	n/a	\$1,580	\$1.0325	\$1,718	(\$138)
Total						\$15,542		\$15,517	\$25

New Hampshire Gas Corporation - Winter 2010/11 Weather Normalization - Firm Sendout													
Month	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)
November	112,038	42,074	69,964	691	797	(106)	101.25	10,766	80,730	122,804	3,675	1,978	121,107
December	222,014	42,074	179,940	1,229	1,181	48	146.41	(7,091)	172,849	214,923	6,364	3,462	212,021
January	237,491	42,074	195,417	1,297	1,369	(72)	150.67	10,798	206,215	248,289	7,085	4,004	245,208
February	193,085	42,074	151,011	1,005	1,140	(135)	150.26	20,310	171,321	213,395	5,530	3,451	211,316
March	139,205	42,074	97,131	786	988	(202)	123.58	24,934	122,065	164,139	4,236	2,654	162,557
April	78,527	42,074	36,453	481	597	(116)	75.79	8,791	45,244	87,318	2,911	1,401	85,808
Total	982,360	252,444	729,916	5,489	6,072	(583)		68,508	798,424	1,050,868	29,801	16,950	1,038,017

New Hampshire Gas Corporation Weather Normalization - Sales Rate Residential											
Month	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)
November	800	20,474	7,301	13,174	614	569	45	21.44	(967)	12,206	19,507
December	811	27,871	7,301	20,571	769	853	(84)	26.73	2,239	22,810	30,110
January	812	59,391	7,301	52,091	1,197	1,220	(23)	43.51	979	53,069	60,370
February	823	49,622	7,301	42,322	1,238	1,323	(84)	34.17	2,884	45,206	52,506
March	819	41,917	7,301	34,617	966	1,113	(147)	35.84	5,273	39,889	47,190
April	811	29,826	7,301	22,526	736	924	(188)	30.61	5,745	28,270	35,571
Total		229,101	43,803	185,298	5,521	6,002	(480)	192	16,152	201,450	245,253

New Hampshire Gas Corporation Weather Normalization - Sales Rate Commercial											
Month	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)
November	330	68,482	30,470	38,013	612	561	51	62.16	(3,166)	34,847	65,316
December	339	79,933	30,470	49,464	752	841	(89)	65.79	5,845	55,308	85,778
January	341	182,639	30,470	152,170	1,191	1,211	(20)	127.73	2,505	154,674	185,144
February	333	159,286	30,470	128,817	1,253	1,334	(81)	102.80	8,349	137,166	167,635
March	318	137,832	30,470	107,363	972	1,117	(145)	110.46	16,040	123,403	153,872
April	342	96,853	30,470	66,384	749	940	(191)	88.65	16,960	83,344	113,813
Total		725,025	182,817	542,208	5,529	6,004	(475)	558	46,534	588,742	771,559

November	84,823
December	115,888
January	245,514
February	220,142
March	201,062
April	149,384
Total Winter Sales Volumes	<u>1,016,812</u>