

NEW HAMPSHIRE GAS CORPORATION

COST OF GAS ADJUSTMENT

WINTER PERIOD 2010 - 2011

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New Hampshire Gas Corporation

Line
No.Calculation of the Cost of Gas Rate

Period Covered: Winter Period Nov. 1, 2010 through Apr. 30, 2011

Projected Gas Sales in Therms 1,016,812

Total Anticipated Cost

Cost/

ThermsTherm

Propane 1,067,818 \$1.5812 = \$1,688,434

Add: Prior Period (Deficiency
Uncollected)
Interest

Deduct: Prior Period (Excess Collected) (\$26,933)

Interest \$1,641

Prior Period Adjusted (\$25,292)Total Anticipated Cost \$1,663,142Cost of Gas Rate Per Therm \$1.6356Maximum Cost of Gas Rate Per Therm \$2.0445Issued : Issued By: Karen L. Zink
Effective: Title: Treasurer

In Compliance with DG 10-XXX, Order No.

New Hampshire Gas Corporation

No.	Calculation of the Cost of Gas Rate				
1					
2					
3					
4	Period Covered: Winter Period Nov. 1, 2009 through Apr. 30, 2010				
4	Period Covered: Winter Period Nov. 1, 2010 through Apr. 30, 2011				
5					
6	Projected Gas Sales in Therms				948,562
6					1,016,812
7					
8	Total Anticipated Cost		Cost/		
9		Therms	Therm		
10	Propane	4,043,307	\$4.2386	=	\$1,255,082
10		1,067,818	\$1.5812		\$1,688,434
11					
12	Add:	Prior Period (Deficiency			
13		Uncollected)		\$38,839	
14		Interest		\$2,378	
15					
16					
17	Deduct:	Prior Period (Excess		(\$26,933)	
18		Collected)			
19		Interest		\$1,641	
20					
21					
22		Prior Period Adjusted		\$41,217	
22					(\$25,292)
23					
24	Total Anticipated Cost				\$1,296,299
24					\$1,663,142
25					
26	Fixed Price Option Cost of Gas Rate				\$1.3402
27	Cost of Gas Rate				\$1.6356
28	Projected Fixed Price Option Sales in Therms				215,000
29					
30	Forecasted Fixed Price Option Cost Revenues				\$288,143
31					
32	Total Period Anticipated Cost from Line 24				\$1,296,299
33					
34	Remaining Cost to be Recovered (Line 33 less Line 31)				\$1,008,156
35					
36	Projected Period Sales in Therms from Line 6				948,562
37					
38	Less Fixed Price Option Sales in Therms				(215,000)
39					
40	Projected Non Fixed Price Option Gas Sales in Therms				733,562
41					
42	Non Fixed Price Option Cost of Gas Rate (Line 35 divided by Line 41)				\$1.3743
42					
43					
44	Mid Period Adjustment Effective January 1, 2010				\$0.1053
45					
46	Mid Period Adjustment Effective February 1, 2010				\$0.0307
47					
48	Mid Period Adjustment Effective March 1, 2010				\$0.1271
49					
50	Mid Period Adjustment Effective April 1, 2010				(\$0.1196)
51					
52	Non Fixed Price Option Cost of Gas Rate (Line 43 plus Line 45 plus Line 47 plus Line 49 plus line 51)				\$1.5178
53					
54	Fixed Price Option Cost of Gas Premium				\$0.0200
55					
56	Fixed Price Option Cost of Gas Rate (Line 42 plus Line 54)				\$0.0200
57					
58					
59					
60	Pursuant to tariff section 17(d), the Company may adjust the approved Non-Fixed Price COG rate on a monthly basis up to				
61	the following rate:				
62					
63	Maximum Cost of Gas Rate		Per Therm	\$1.7179	
63				\$2.0445	
64					
65					
66	Issued :	Issued By:			
67	Effective:	Karen L. Zink			
68		Treasurer			
69	In Compliance with DG 10-XXX, Order No.				
70					

ENTRIES -1,043,307
1,067,818
VOLUME IN THERMS -1,255,082
1,688,434
PROPANE COST -948,562
1,016,812
TOTAL SALES

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>
PRODUCED GAS	WINTER 2010-2011	GALLONS	0.91502	1,166,989	1,067,818	\$1.4468	\$1.5812

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	\$1.6681	\$1.6913	\$1.5674	\$1.5336	\$1.5060	\$1.4849	
15								
16	FPO PREMIUM	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17								
18	TOTAL PROPANE COSTS	\$208,149	\$369,355	\$395,445	\$332,556	\$251,191	\$131,739	\$1,688,434
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	\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	
25								
26	TOTAL COG REVENUES	\$138,740	\$189,551	\$401,574	\$360,073	\$328,866	\$244,339	\$1,663,143
27								
28	UNDER/(OVER) COLLECTION	\$69,409	\$179,804	(\$6,129)	(\$27,517)	(\$77,675)	(\$112,600)	\$25,291
29								
30	INTEREST FROM ATTACHMENT C	\$20	\$357	\$594	\$550	\$409	\$152	\$2,082
31								
32	FINAL UNDER/(OVER) COLLECTION	(\$27,374)	\$42,055	\$222,216	\$216,681	\$189,714	\$112,448	\$0

	NOV 2010	DEC 2010	JAN 2011	FEB 2011	MAR 2011	APR 2011	TOTAL	LINE NO.
TOTAL FIRM DEMAND (GALLONS)	136,371	238,667	275,724	236,985	182,283	96,959	1,166,989	1
<u>PROPANE STABILIZATION PLAN PRE-PURCHASES</u>								2
GALLONS	85,000	130,000	190,000	140,000	100,000	55,000	700,000	3
PRICE	\$1.3613	\$1.3613	\$1.3613	\$1.3613	\$1.3613	\$1.3613		4
PERC	inc.	inc.	inc.	inc.	inc.	inc.		5
TRANSPORTATION (add'l from Watkins Glen plus wait time)	\$0.1600	\$0.1600	inc.	inc.	inc.	inc.		6
TOTAL COST (GALLONS)	\$129,311	\$197,769	\$258,647	\$190,582	\$136,130	\$74,872	\$987,311	7
<u>SPOT PURCHASES</u>								8
GALLONS	51,371	108,667	85,724	96,985	82,283	41,959	466,989	9
								10
								11
								12
								13
								14
								15
								16
								17
PRICE (GALLONS)	\$1.5959	\$1.5984	\$1.4603	\$1.4319	\$1.3673	\$1.3066	\$1.4713	18
COST (GALLONS)	\$81,983	\$173,693	\$125,183	\$138,873	\$112,506	\$54,824	\$687,062	19
<u>TOTAL</u>								20
GALLONS	136,371	238,667	275,724	236,985	182,283	96,959	1,166,989	21
PRICE (GALLONS)	\$1.5494	\$1.5564	\$1.3921	\$1.3902	\$1.3640	\$1.3376	\$1.4348	22
COST (GALLONS)	\$211,294	\$371,462	\$383,830	\$329,455	\$248,636	\$129,696	\$1,674,373	23
<u>TOTAL COSTS</u>								24
COST	\$211,294	\$371,462	\$383,830	\$329,455	\$248,636	\$129,696	\$1,674,373	25
THERM DEMAND	124,782	218,385	252,293	216,846	166,793	88,719	1,067,818	26
MONTHLY COST PER THERM	\$1.6933	\$1.7009	\$1.5214	\$1.5193	\$1.4907	\$1.4619	\$1.5680	27

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	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)	\$69,409	-	\$42,035	\$7,331	3.25	\$20	\$42,055
8	DEC	\$42,055	\$179,804	-	\$221,859	\$131,957	3.25	\$357	\$222,216
9	JAN 2011	\$222,216	(\$6,129)	-	\$216,087	\$219,152	3.25	\$594	\$216,681
10	FEB	\$216,681	(\$27,517)	-	\$189,164	\$202,923	3.25	\$550	\$189,714
11	MAR	\$189,714	(\$77,675)	-	\$112,039	\$150,877	3.25	\$409	\$112,448
12	APR	\$112,448	(\$112,600)	-	(\$152)	\$56,148	3.25	\$152	\$0
								<u>\$1,641</u>	

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

= COL. 1, LINE 1 + COL. 7, LINES 1 TO 12

= (\$26,933) + \$1,641= (\$25,292)

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

LINE
NO.

1	September 2010 (Actual)	<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	16,513	\$26,320	\$1.5939	\$1.4585		
5	Total Available	72,122	\$104,596	\$1.4503	\$1.3270		
6	Less Vapor	43,734	\$63,426	\$1.4503	\$1.3270		
7	Ending Balance	28,388	\$41,170	\$1.4503	\$1.3270		
8							
9					<u>Rate</u>		
10	October 2010 (Forecasted)	<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>		
11							
12	Beginning Balance	28,388	\$41,170	\$1.4503	\$1.3270		
13	Received during month	145,000	\$241,454	\$1.6652	\$1.5237		
14	Total Available	173,388	\$282,624	\$1.6300	\$1.4915		
15	Less Vapor	87,274	\$142,257	\$1.6300	\$1.4915		
16	Ending Balance	86,114	\$140,367	\$1.6300	\$1.4915		
17							
18					<u>Rate</u>		
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	86,114	\$140,367	\$1.6300	\$1.4915		
22	Received during month	130,000	\$220,129	\$1.6933	\$1.5494		
23	Total Available	216,114	\$360,496	\$1.6681	\$1.5263		
24	Less Vapor	124,782	\$208,149	\$1.6681	\$1.5263	124,782	\$208,149
25	Ending Balance	91,332	\$152,347	\$1.6681	\$1.5263		
26							
27					<u>Rate</u>		
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	91,332	\$152,347	\$1.6681	\$1.5263		
31	Received during month	220,000	\$374,198	\$1.7009	\$1.5564		
32	Total Available	311,332	\$526,545	\$1.6913	\$1.5476		
33	Less Vapor	218,385	\$369,355	\$1.6913	\$1.5476	218,385	\$369,355
34	Ending Balance	92,947	\$157,190	\$1.6913	\$1.5476		
35							
36					<u>Rate</u>		
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	92,947	\$157,190	\$1.6913	\$1.5476		
40	Received during month	250,000	\$380,350	\$1.5214	\$1.3921		
41	Total Available	342,947	\$537,540	\$1.5674	\$1.4342		
42	Less Vapor	252,293	\$395,445	\$1.5674	\$1.4342	252,293	\$395,445
43	Ending Balance	90,654	\$142,095	\$1.5674	\$1.4342		
44							
45					<u>Rate</u>		
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	90,654	\$142,095	\$1.5674	\$1.4342		
49	Received during month	215,000	\$326,650	\$1.5193	\$1.3902		
50	Total Available	305,654	\$468,745	\$1.5336	\$1.4033		
51	Less Vapor	216,846	\$332,556	\$1.5336	\$1.4033	216,846	\$332,556
52	Ending Balance	88,808	\$136,189	\$1.5335	\$1.4032		
53							
54					<u>Rate</u>		
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	88,808	\$136,189	\$1.5335	\$1.4032		
58	Received during month	160,000	\$238,512	\$1.4907	\$1.3640		
59	Total Available	248,808	\$374,701	\$1.5060	\$1.3780		
60	Less Vapor	166,793	\$251,191	\$1.5060	\$1.3780	166,793	\$251,191
61	Ending Balance	82,015	\$123,510	\$1.5060	\$1.3780		
62							
63					<u>Rate</u>		
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	82,015	\$123,510	\$1.5060	\$1.3780		
67	Received during month	75,000	\$109,643	\$1.4619	\$1.3377		
68	Total Available	157,015	\$233,153	\$1.4849	\$1.3587		
69	Less Vapor	88,719	\$131,739	\$1.4849	\$1.3587	88,719	\$131,739
70	Ending Balance	68,296	\$101,414	\$1.4849	\$1.3587		
71							
72							
	TOTALS				\$1.58120	1,067,818	\$1,688,434

[illegible]

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	
Typical Usage:							109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250	
Residential Heating																						
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	\$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	
Typical Usage:							109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250	
Residential Heating																						
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							\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851			
Total Rate Case Surcharge							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.66	\$4.68	\$2.55	\$2.55	\$3.57	\$6.04	\$27.06	\$27.06
CGA Rates - (Seasonal)							\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1.6366		
Total COG							\$178.28	\$245.34	\$305.86	\$307.49	\$271.51	\$215.90	\$1,524.38	\$151.16	\$92.38	\$46.33	\$46.33	\$68.47	\$115.75	\$520.43	\$2,044.81	
Seasonal COG Difference from previous year													\$135.66							\$136.33	\$271.99	
Seasonal Percent Change from previous year													9.8%							35.5%	15.3%	
Total Bill							\$302	\$406	\$500	\$502	\$447	\$360	\$2,517	\$261	\$164	\$89	\$89	\$125	\$206	\$935	\$3,452	
Seasonal Total Bill Difference from previous year													\$121.67							\$210	\$332	
Seasonal Percent Change from previous year													5.1%							29.0%	10.6%	
Seasonal Percent Change resulting from Base Rates													1.7%							6.4%	2.8%	
Seasonal Percent Change resulting from COG													5.7%							18.8%	8.7%	

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	
Typical Usage:							193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000	
Commercial																						
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	\$78.38	\$589.16									
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	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$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	\$1.3171	\$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	
Typical Usage:							193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000	
Commercial																						
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	\$82.15	\$617.49									
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							\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851			
Total Rate Case Surcharge							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.96	\$6.89	\$6.13	\$6.13	\$7.57	\$12.08	\$48.76	\$48.76	
CGA Rates - (Seasonal)							\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1.6257		
Total COG							\$315.67	\$439.98	\$487.41	\$428.53	\$382.73	\$279.69	\$2,334.00	\$196.51	\$136.05	\$111.20	\$111.20	\$145.10	\$231.50	\$931.55	\$3,265.55	
Seasonal COG Difference from previous year													\$421.54							\$223.92	\$645.46	
Seasonal Percent Change from previous year													22.0%							31.6%	24.6%	
Total Bill							\$524	\$706	\$776	\$690	\$623	\$468	\$3,786	\$340	\$246	\$211	\$211	\$262	\$399	\$1,669	\$5,455	
Seasonal Total Bill Difference from previous year													\$401.24							\$358	\$759	
Seasonal Percent Change from previous year													11.9%							27.3%	16.2%	
Seasonal Percent Change resulting from Base Rates													1.9%							6.5%	3.2%	
Seasonal Percent Change resulting from COG													12.5%							17.1%	13.7%	

		<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>						
NOV	1.2579	+	0.0100	=	1.2679	+	0.0930	=	1.3609	+	0.0050	+	0.2300	=	1.5959	=	1.7441
DEC	1.2604	+	0.0100	=	1.2704	+	0.0930	=	1.3634	+	0.0050	+	0.2300	=	1.5984	=	1.7469
JAN	1.2638	+	0.0100	=	1.2738	+	0.1125	=	1.3863	+	0.0050	+	0.0690	=	1.4603	=	1.5959
FEB	1.2354	+	0.0100	=	1.2454	+	0.1125	=	1.3579	+	0.0050	+	0.0690	=	1.4319	=	1.5649
MAR	1.1708	+	0.0100	=	1.1808	+	0.1125	=	1.2933	+	0.0050	+	0.0690	=	1.3673	=	1.4943
APR	1.1101	+	0.0100	=	1.1201	+	0.1125	=	1.2326	+	0.0050	+	0.0690	=	1.3066	=	1.4279
Mt. Belvieu settlement prices based on Clearport propane futures market quotations as of 10/08/2010.																	
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	1,016,812