NEW HAMPSHIRE GAS CORPORATION

COST OF GAS ADJUSTMENT

WINTER PERIOD 2010 - 2011

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NHPUC No. 1 GAS

New Hampshire Gas Corporation

Line									
No.									
1			Calc	culation of the	e Cost of Gas	Rate			
2									
3									
4	Period Co	vered: Winter Period Nov	v. 1, 2010 throug	gh Apr. 30, 2	011				
5			,	5 1 /					
6	Projected	Gas Sales in Therms							1,016,812
7									
8	Total Anti	cipated Cost			Cost/				
9			Therms		Therm				
10		Propane	1,067,818		\$1.5812		=		\$1,688,434
11									
12	Add:	Prior Period (Deficiency							
13		Uncollected)							
14		Interest							
15									
16									
17	Deduct:	Prior Period (Excess Co	llected)					(\$26,933)	
18									
19		Interest						\$1,641	
20									
21									
22		Prior Period Adjusted						_	(\$25,292)
23									
24	Total Anti	cipated Cost						=	\$1,663,142
25									
26									
27		Cost of Ga	s Rate					Per Therm	<u>\$1.6356</u>
28									
29									
30									* • • • • -
31				Maximum (Cost of Gas R	ate		Per Therm	\$2.0445
32									
33									
34	Issued :				Issued By:	Karen L. Zink			
35	Effective:				Title:	Treasurer			
36									
37	In Complia	ance with DG 10-XXX, Or	der No.						

New Hampshire Gas Corporation

Calculation of the Cost of Gas Rate

		Calculation of	f the Cost of Gas Rate		
D . 1 1 6			~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
	overed: Winter Period Nov. overed: Winter Period Nov.				
		,			
Projected	Gas Sales in Therms				948,56 1,016,81
					.,
Total Anti	cipated Cost	Therms	Cost/ Therm		
	Propane	-1,013,307	\$1.2386	=	\$1,255,08
		1,067,818	\$1.5812		\$1,688,43
Add:	Prior Period (Deficiency				
	Uncollected) Interest			\$38,839 \$2,378	
	Interest			\$2,310	
Deduct:	Drian Dariad (Evagoa			(\$26,022)	
Deduct.	Prior Period (Excess Collected)			(\$26,933)	
	Interest			\$1,641	
	Prior Period Adjusted				\$41,21
				-	(\$25,29
Total Anti	cipated Cost				\$1,296,2
				-	\$1,663,1
			Fixed Price	Option Cost of Gas Rate	\$1.340
			Projected Fixed Pri	Cost of Gas Rate	\$1.635 215,0 0
				· –	
			Forecasted Fixed Pri	ce Option Cost Revenues	\$288,1 4
			Total Period Ant	icipated Cost from Line 24	\$1,296,2
		Re	maining Cost to be Recove	ered (Line 33 less Line 31)	\$1,008,1
			Projected Period Sa	les in Therms from Line 6	948,50
			Less Fixed Priv	ce Option Sales in Therms	(215,00
			Less Hiteu Phi		(210,00
		Pre	pjected Non Fixed Price Op	otion Gas Sales in Therms	733,56
		Non Fixed Price (Option Cost of Gas Rate (L	ine 35 divided by Line 41)	\$1.37 4
				-	
			Mid Period Adjustment	Effective January 1, 2010	\$0.105
			Mid Period Adjustment	Effective February 1, 2010	\$0.030
					00.03 0
			Mid Period Adjustme	nt Effective March 1, 2010	\$0.127
			Mid Period Adjustr	ent Effective April 1, 2010	(\$0.118
	Non Fixed Price Option Co	et of Gas Rate (Line 4	3 plus Line 45 plus Line 4	7 plus Line 49 plus line 51)	\$1.517
		or o r ous riale (Liffe 4	o pi ao ente 40 piao ente 4 .	pia o Enio 40 piao inte 01)	
			Fixed Price Op	tion Cost of Gas Premium	\$0.020
		Fixed	Price Option Cost of Gas F	Rate (Line 42 plus Line 54)	\$0.02 0
Pursuant the follow		Company may adjust tl	ne approved Non-Fixed Pri	ce COG rate on a monthly b	pasis up to
	ing rate.				
		Maria	um Cost of Gas Rate	Per Therm	\$1.717

Maximum Cost of Gas Rate Per Therm

Issued By: Karen L. Zink Treasurer

63 63 64 65 66 67 68 69 70 In Compliance with DG 10-XXX, Order No.

ENTRIES	-1,013,307
	1,067,818
VOLUME IN THERMS	1,255,082
	1,688,434
PROPANE COST	948,562
	1,016,812
TOTAL SALES	

Issued : Effective:

Attachment A

NEW HAMPSHIRE GAS CORPORATION

CONVERSION OF PRODUCED GAS COSTS TO THERMS

	1	2	3	4	5	6	7
				VOLU	MES	UNIT	COST
	PERIOD	<u>UNIT</u>	CONVERSION FACTOR	I <u>GALLONS</u>	THERMS	PER GALLON	PER THERM
PRODUCED GAS	WINTER 2010-2011	GALLONS	0.91502	1,166,989	1,067,818	\$1.4468	\$1.5812

Attachment B

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 8	* UNACCTED FOR VOLS INCLUDED		1,978	3,462	4,004	3,451	2,654	1,401	16,950
9 10	COSTS								
11 12	PROPANE SENDOUT FROM ABOVE		124,782	218,385	252,293	216,846	166,793	88,719	1,067,818
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	REVENUES								
21 22 23	FIRM SALES		84,823	115,888	245,514	220,142	201,062	149,384	1,016,812
23 24 25	RATE/THERM AVERAGE		\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	
26	TOTAL COG REVENUES		\$138,740	\$189,551	\$401,574	\$360,073	\$328,866	\$244,339	\$1,663,143
27 28 20	UNDER/(OVER) COLLECTION		\$69,409	\$179,804	(\$6,129)	(\$27,517)	(\$77,675)	(\$112,600)	\$25,291
29 30 31	INTEREST FROM ATTACHMENT C		\$20	\$357	\$594	\$550	\$409	\$152	\$2,082
31	FINAL UNDER/(OVER) COLLECTION	(\$27,374)	\$42,055	\$222,216	\$216,681	\$189,714	\$112,448	\$0	

NEW HAMPSHIRE GAS CORPORATION

CALCULATION OF COST OF GAS

SUPPLY / DEMAND BALANCE ALL VOLUMES

	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 2
PROPANE STABILIZATION PLAN PRE-PURCHASES								3
GALLONS	85,000	130,000	190,000	140,000	100,000	55,000	700,000	4
PRICE	\$1.3613	\$1.3613	\$1.3613	\$1.3613	\$1.3613	\$1.3613		5
PERC	inc.	inc.	inc.	inc.	inc.	inc.		6
TRANSPORTATION (add'l from Watkins Glen plus wait time)	\$0.1600	\$0.1600	inc.	inc.	inc.	inc.		7
TOTAL COST (GALLONS)	\$129,311	\$197,769	\$258,647	\$190,582	\$136,130	\$74,872	\$987,311	8
								9
SPOT PURCHASES								10
GALLONS	51,371	108,667	85,724	96,985	82,283	41,959	466,989	11
								12
Mt. Belvieu (10/08/10)	\$1.2579	\$1.2604	\$1.2638	\$1.2354	\$1.1708	\$1.1101		13
Broker	\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100		14
Террсо	\$0.0930	\$0.0930	\$0.1125	\$0.1125	\$0.1125	\$0.1125		15
Perc	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050		16
Transportation	\$0.2300	<u>\$0.2300</u>	<u>\$0.0690</u>	<u>\$0.0690</u>	<u>\$0.0690</u>	<u>\$0.0690</u>		17
PRICE (GALLONS)	\$1.5959	\$1.5984	\$1.4603	\$1.4319	\$1.3673	\$1.3066	\$1.4713	18
								19
COST (GALLONS)	\$81,983	\$173,693	\$125,183	\$138,873	\$112,506	\$54,824	\$687,062	20
								21
TOTAL								22
GALLONS	136,371	238,667	275,724	236,985	182,283	96,959	1,166,989	23
								24
PRICE (GALLONS)	\$1.5494	\$1.5564	\$1.3921	\$1.3902	\$1.3640	\$1.3376	\$1.4348	25
				•			• · · · · · · · · ·	26
COST (GALLONS)	\$211,294	\$371,462	\$383,830	\$329,455	\$248,636	\$129,696	\$1,674,373	27
								28
TOTAL COSTS		•					.	29
COST	\$211,294	\$371,462	\$383,830	\$329,455	\$248,636	\$129,696	\$1,674,373	30
THERM DEMAND	124,782	218,385	252,293	216,846	166,793	88,719	1,067,818	31
MONTHLY COST PER THERM	\$1.6933	\$1.7009	\$1.5214	\$1.5193	\$1.4907	\$1.4619	\$1.5680	32
								33

New Hampshire Gas Corporation 2010-2011 Winter Hedging Schedule

								Line <u>No.</u>
	<u> April - 2010</u>	<u>May-2010</u>	June-2010	July-2010	August-2010	September-2010	Total	1
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

Attachment C

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)	· · · /
3	JUL	(\$27,079)	_	-	(\$27,079)	(\$27,079)	3.25	(\$73)	,
4	AUG	(\$27,152)	-	-	(\$27,152)	(\$27,152)	3.25	(\$74)	· · · /
5	SEP	(\$27,226)	-	-	(\$27,226)	(\$27,226)	3.25	(\$74)	
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
								\$1,641	

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

+ COL. 7, LINES 1 TO 12

= COL. 1, LINE 1

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

= (\$25,292)

New Hampshire Gas Corporation

Attachment D Supports Line 1 Column 1 Attachment C

Actual -Over/Under Collection November 2009 through April 2010 All in Therms

	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	
	PRIOR	NOV	DEC	JAN	<u>FEB</u>	MAR	<u>APR</u>	TOTALS
1 SALES FOR NON-FPO FOR FPO TOTAL THERMS		75,106 <u>13,849</u> 88,955	89,213 <u>18,593</u> 107,806	198,811 <u>43,219</u> 242,030	173,062 <u>35,846</u> 208,908	148,688 <u>31,061</u> 179,749	105,760 <u>20,919</u> 126,679	790,640 <u>163,487</u> 954,127
2 COG RATE PER TARIFF FOR NON-FPO FOR FPO		\$1.3743 \$1.3402	\$1.3743 \$1.3402	\$1.4796 \$1.3402	\$1.5103 \$1.3402	\$1.6374 \$1.3402	\$1.5178 \$1.3402	
3 RECOVERED COSTS= SALES X COG RATE FOR NON-FPO FOR FPO TOTAL		\$103,218 <u>\$18,560</u> \$121,779	\$122,605 <u>\$24,918</u> \$147,522	\$294,161 <u>\$57,922</u> \$352,081	\$261,376 <u>\$48,041</u> \$309,417	\$243,462 <u>\$41,628</u> \$285,186	\$28,036	\$1,185,344 <u>\$219,105</u> \$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)	

Attachment E

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

LINE NO.

1 2	September 2010 (Actual)	Therms	<u>Cost</u>	Therm	<u>Gal.</u>			
2	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								
7	Less Vapor Ending Balanco	43,734	\$63,426 \$41,170	\$1.4503 \$1.4503	\$1.3270 \$1.3270			
7 8 9	Ending Balance	28,388	\$41,170		\$1.3270			
9 10	October 2010 (Ecroported)	Thormo	Cost	<u>Ra</u> <u>Therm</u>				
11	October 2010 (Forecasted)	<u>Therms</u>	<u>Cost</u>	merm	<u>Gal.</u>			
12	Beginning Balance	28,388	\$41,170	\$1.4503	\$1.3270			
13								
13	Received during month	145,000	\$241,454 \$282,624	\$1.6652 \$1.6300	\$1.5237			
	Total Available	173,388	\$282,624		\$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				D				
18		T b	0	<u>Ra</u>			T h	0
19	November 2010 (Forecasted)	Therms	Cost	Therm	<u>Gal.</u>		<u>Therms</u>	Cost
20	5 · · 5 ·		A 440.00 7	.	A. 1015			
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				Ra	ite			
28	December 2010 (Forecasted)	<u>Therms</u>	Cost	Therm	Gal.		Therms	Cost
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				Ra	ite			
37	January 2011 (Forecasted)	Therms	Cost	Therm	Gal.		Therms	Cost
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				Ra	te			
46	February 2011 (Forecasted)	Therms	Cost	Therm	Gal.		Therms	Cost
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				Ra	te			
55	March 2011 (Forecasted)	Therms	Cost	Therm	Gal.		Therms	Cost
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			<i>Q</i> LO 1,101
62		02,010	÷0,010	φ	φ			
63				Ra	ite			
64	April 2011 (Forecasted)	Therms	Cost	Therm	<u>Gal.</u>		Therms	Cost
65			0031		<u>Jai.</u>		1101113	0031
66	Beginning Balance	82,015	\$123,510	\$1.5060	\$1.3780			
67	Received during month	82,015 75,000	\$123,510 \$109,643	\$1.5060 \$1.4619	\$1.3780 \$1.3377			
68	Total Available	157,015	\$233,153	\$1.4819 \$1.4849	\$1.3577 \$1.3587			
69	Less Vapor			\$1.4849 \$1.4849			88,719	\$131,739
69 70		88,719 68,206	\$131,739 \$101,414	\$1.4849 \$1.4849	\$1.3587 \$1.3587		00,719	φ131, <i>1</i> 38
70 71	Ending Balance	68,296	\$101,414	ψι.+049	\$1.3587			
72				TOTALS		\$1.58120	1 067 819	\$1,688,434
. 2				101ALO		ψ1.00120	1,007,010	φ1,000, 1 04

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 Cha Typical Residential Heating Bill	arge, & Base R	ate Charge													
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	Мау	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage: Residential Heating	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 Next 120 therms @ \$0.7378								\$75.66 \$7.38	\$52.02 \$0.00	\$28.37 \$0.00	\$28.37 \$0.00	\$39.72 \$0.00	\$67.15 \$0.00	\$291.31 \$7.38	\$804.60 \$396.71
Over 200 therms @ \$0.7378								\$0.00	\$0.00	\$0.00 \$0.00	\$0.00		\$0.00	\$0.00	\$396.71 \$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	A	\$1.0537	\$1.1165	\$1.3171	\$1.3171	\$1.3171	\$1.3171	\$1.2079	<u> </u>
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 Cha Typical Residential Heating Bill	arge, & Base R	ate Charge					147								T !
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: <u>Residential Heating</u> Winter:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Cust. Chg. Delivery Charge:	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60								
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		\$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 Next 120 therms @ \$0.8614								\$85.55 \$8.61	\$58.81 \$0.00	\$32.08 \$0.00	\$32.08 \$0.00		\$75.92 \$0.00	\$329.36 \$8.61	\$862.53 \$416.66
Over 200 therms @ \$0.7118								\$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 yea Seasonal Percent Change from previous year	ır						\$41.00 4.3%							\$46.49 13.6%	\$87.49 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	\$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		\$305.86	\$307.49	\$271.51	\$215.90		\$151.16	\$92.38	\$46.33	\$46.33		\$115.75	\$520.43	\$2,044.81
Seasonal COG Difference from previous year Seasonal Percent Change from previous year							\$275.31 22.0%							\$136.33 35.5%	\$411.64 25.2%
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 Seasonal Percent Change from previous year							\$261.32 11.6%							\$210 29.0%	\$471 15.8%
Seasonal Percent Change resulting from Base Rates							1.8%							6.4%	2.9%
Seasonal Percent Change resulting from COG							12.2%							18.8%	13.8%

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 Cha Typical Residential Heating Bill	arge, & Base R	Rate Charge													
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	Мау	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage: Residential Heating Winter:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
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 Over 200 therms @ \$0.7118	\$24.98 \$0.00		\$92.16 \$0.00	\$93.03 \$0.00	\$74.08 \$0.00	\$44.79 \$0.00	\$389.33 \$0.00								
Summer: Cust. Chg.								\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.20
Delivery Charge:								¢7E CC	¢50.00	¢00.07	¢00.07	¢20.70	¢c7.45	£201.21	
First 80 therms @ \$0.9458 Next 120 therms @ \$0.7378								\$75.66 \$7.38	\$52.02 \$0.00	\$28.37 \$0.00	\$28.37 \$0.00	\$39.72 \$0.00	\$67.15 \$0.00	\$291.31 \$7.38	\$804.60 \$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		\$0.0000	\$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} Total COG	\$1.3743 \$149.80		\$1.4796 \$276.69	\$1.5103 \$283.94	\$1.6374 \$271.81	\$1.5178 \$200.35	\$1.4900 \$1,388.72	\$1.0537 \$94.83	\$1.1165 \$61.41	\$1.3171 \$39.51	\$1.3171 \$39.51	\$1.3171 \$55.32	\$1.3171 \$93.51	\$1.2079 \$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 Cha Typical Residential Heating Bill	arge, & Base R	ate Charge													
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: <u>Residential Heating</u> Winter:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Cust. Chg. Delivery Charge:	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$8.60	\$51.60								
First 80 therms @ \$1.1108	\$88.86		\$88.86	\$88.86	\$88.86	\$88.86	\$533.17								
Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532	\$26.18 \$0.00		\$96.60 \$0.00	\$97.50 \$0.00	\$77.64 \$0.00	\$46.94 \$0.00	\$408.05 \$0.00								
						•••••									
Summer:															
Cust. Chg. Delivery Charge:								\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$100.80
First 80 therms @ \$1.0694								\$85.55	\$58.81	\$32.08	\$32.08		\$75.92	\$329.36	\$862.53 \$416.66
Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118								\$8.61 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00		\$0.00 \$0.00	\$8.61 \$0.00	\$416.66 \$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 yea Seasonal Percent Change from previous year							\$41.00 4.3%							\$46.49 13.6%	\$87.49 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	\$7.66	\$4.68	\$2.55	\$2.55		\$6.04	\$27.06	\$27.06
CGA Rates - {Seasonal} Total COG	\$1.6356 \$178.28	\$1.6356 \$245.34	\$1.6356 \$305.86	\$1.6356 \$307.49	\$1.6356 \$271.51	\$1.6356 \$215.90	\$1,524.38	\$1.6796 \$151.16	\$1.6796 \$92.38	\$1.5444 \$46.33	\$1.5444 \$46.33		\$1.6303 \$115.75	\$1.6366 \$520.43	\$2,044.81
Seasonal COG Difference from previous year	÷	+110104	÷200.00			<u>+_</u>	\$135.66		÷-2.00	÷ 10100	÷	<i>200.11</i>	÷	\$136.33 35.5%	\$271.99
Seasonal Percent Change from previous year							9.8%								15.3%
Total Bill Seasonal Total Bill Difference from previous year	\$302	\$406	\$500	\$502	\$447	\$360	\$2,517 \$121.67	\$261	\$164	\$89	\$89	\$125	\$206	\$935 \$210	\$3,452 \$332
	1						5.1%							29.0%	10.6%
Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates							5.1% 1.7%							29.0%	2.8%

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 Cha Commercial Bill	arge, & Base F	Rate Charge													
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
Winter: Cust. Chg. Delivery Charge:	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40								
First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118	\$85.55 \$97.33 \$0.00	\$103.36	\$85.55 \$103.36 \$69.75	\$85.55 \$103.36 \$44.13	\$85.55 \$103.36 \$24.20	\$85.55 \$78.38 \$0.00	\$513.29 \$589.16 \$187.19								
	\$0.00	¢ioiri	çcono	¢	¢220	\$0.00	¢lollio								
Summer: Cust. Chg. Delivery Charge:								\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$84.00	\$182.4
First 80 therms @ \$0.9458 Next 120 therms @ \$0.7378 Over 200 therms @ \$0.5882								\$75.66 \$27.30 \$0.00	\$75.66 \$0.74 \$0.00	\$68.10 \$0.00 \$0.00	\$68.10 \$0.00 \$0.00	\$6.64	\$75.66 \$45.74 \$0.00	\$438.85 \$80.42 \$0.00	\$952.1 \$669.5 \$187.1
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		\$135.41	\$603.27	
Rate Case Surcharge	\$0.0590		\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$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	\$84.1
CGA Rates - {Seasonal} Total COG	\$1.3402 \$258.66		\$1.3402 \$399.38	\$1.3402 \$351.13	\$1.3402 \$313.61	\$1.3402 \$229.17	\$1,912.47	\$1.0537 \$123.28	\$1.1165 \$90.44	\$1.3171 \$94.83	\$1.3171 \$94.83	\$1.3171 \$117.22	\$1.3171 \$187.03	\$1.2350 \$707.63	\$2,620.1
Total Bill	\$469	\$631	\$692	\$616	\$557	\$420	\$3,385	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,69
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	Мау	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage:	193		298	262	234	171	1,427	117	81	72	72		142	573	2,00
Winter: Cust. Chg. Delivery Charge:	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$103.20								
First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532	\$88.86 \$102.01 \$0.00	\$108.33	\$88.86 \$108.33 \$73.81	\$88.86 \$108.33 \$46.70	\$88.86 \$108.33 \$25.61	\$88.86 \$82.15 \$0.00	\$533.17 \$617.49 \$198.08								
Summer: Cust. Chg.								\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40	\$201.6
Delivery Charge: First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614								\$85.55 \$31.87	\$85.55 \$0.86	\$76.99 \$0.00	\$76.99 \$0.00	\$7.75	\$85.55 \$53.40	\$496.18 \$93.89	\$1,029.3 \$711.3
Over 200 therms @ \$0.7118								\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$198.0
Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous yea Seasonal Percent Change from previous year	\$208.07 ar	\$266.36	\$288.20	\$261.09	\$240.00	\$188.21	\$1,451.94 \$63.90 4.6%	\$133.82	\$102.81	\$93.39	\$93.39	\$109.70	\$155.35	\$688.47 \$85.20 14.1%	\$2,140.4 \$149.0 7.59
Rate Case Surcharge	\$0.000		\$0.000	\$0.000	\$0.000	\$0.000	\$0.00	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	6 40.70	6 40 -
	\$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	\$48.7
Total Rate Case Surcharge															
CGA Rates - {Seasonal}	\$1.6356		\$1.6356	\$1.6356	\$1.6356	\$1.6356	¢0.204.00	\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1.6257	\$3 00F -
	\$1.6356 \$315.67		\$1.6356 \$487.41	\$1.6356 \$428.53	\$1.6356 \$382.73	\$1.6356 \$279.69	\$2,334.00 \$421.54 22.0%	\$1.6796 \$196.51	\$1.6796 \$136.05	\$1.5444 \$111.20	\$1.5444 \$111.20		\$1.6303 \$231.50	\$1.6257 \$931.55 \$223.92 31.6%	\$645.4
CGA Rates - {Seasonal} Total COG Seasonal COG Difference from previous year		\$439.98					\$421.54				φ1.0111	\$145.10		\$931.55 \$223.92	\$3,265.5 \$645.4 24.69 \$5,45 \$75

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 Cha Commercial Bill	rge, & Base R	ate Charge													
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	Мау	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage: Commercial Winter:	193	269	298	262	234	171	1427	117	81	72	72	89	142	573	2,000
Cust. Chg. Delivery Charge:	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40								
First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118	\$85.55 \$97.33 \$0.00	\$85.55 \$103.36 \$49.11	\$85.55 \$103.36 \$69.75	\$85.55 \$103.36 \$44.13	\$85.55 \$103.36 \$24.20	\$85.55 \$78.38 \$0.00	\$513.29 \$589.16 \$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 Next 120 therms @ \$0.7378 Over 200 therms @ \$0.5882								\$75.66 \$27.30 \$0.00	\$75.66 \$0.74 \$0.00	\$68.10 \$0.00 \$0.00	\$68.10 \$0.00 \$0.00	\$75.66 \$6.64 \$0.00	\$75.66 \$45.74 \$0.00	\$438.85 \$80.42 \$0.00	\$952.14 \$669.58 \$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 Deferred Revenues Surcharge	\$0.0590 \$11.39	\$0.0590 \$15.87	\$0.0590 \$17.58	\$0.0590 \$15.46	\$0.0590 \$13.81	\$0.0590 \$10.09	\$84.19	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.0000 \$0.00	\$0.00	\$84.19
CGA Rates - {Seasonal} Total COG	\$1.3743 \$265.24	\$1.3743 \$369.69	\$1.4796 \$440.92	\$1.5103 \$395.70	\$1.6374 \$383.15	\$1.5178 \$259.54	\$1.4816 \$2,114.24	\$1.0537 \$123.28	\$1.1165 \$90.44	\$1.3171 \$94.83	\$1.3171 \$94.83	\$1.3171 \$117.22	\$1.3171 \$187.03	\$1.2350 \$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 Cha Commercial Bill	rge, & Base R	ate Charge													
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: <u>Commercial</u> Winter:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Cust. Chg. Delivery Charge:	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$103.20								
First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532	\$88.86 \$102.01 \$0.00	\$88.86 \$108.33 \$51.97	\$88.86 \$108.33 \$73.81	\$88.86 \$108.33 \$46.70	\$88.86 \$108.33 \$25.61	\$88.86 \$82.15 \$0.00	\$533.17 \$617.49 \$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 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118								\$85.55 \$31.87 \$0.00	\$85.55 \$0.86 \$0.00	\$76.99 \$0.00 \$0.00	\$76.99 \$0.00 \$0.00	\$85.55 \$7.75 \$0.00	\$85.55 \$53.40 \$0.00	\$496.18 \$93.89 \$0.00	\$1,029.35 \$711.38 \$198.08
Total Customer Charge/Base Rate Amount	\$208.07	\$266.36	\$288.20	\$261.09	\$240.00	\$188.21		\$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 Seasonal Percent Change from previous year	r						\$63.90 4.6%							\$85.20 14.1%	\$149.09 7.5%
Rate Case Surcharge Total Rate Case Surcharge	\$0.000 \$0.00	\$0.000 \$0.00	\$0.000 \$0.00	\$0.000 \$0.00	\$0.000 \$0.00	\$0.000 \$0.00	\$0.00	\$0.0851 \$9.96	\$0.0851 \$6.89	\$0.0851 \$6.13	\$0.0851 \$6.13	\$0.0851 \$7.57	\$0.0851 \$12.08	\$48.76	\$48.76
CGA Rates - {Seasonal}	\$1.6356 \$315.67	\$1.6356 \$439.98	\$1.6356 \$487.41	\$1.6356 \$428.53	\$1.6356 \$382.73	\$1.6356	\$2,334.00	\$1.6796 \$196.51	\$1.6796	\$1.5444 \$111.20	\$1.5444 \$111.20	\$1.6303 \$145.10	\$1.6303 \$231.50	\$1.6257	\$3,265.55
Total COG Seasonal COG Difference from previous year Seasonal Percent Change from previous year	\$313.07	\$ 4 33.38	φ 4 07.41	ψ 4 ∠0.03	₽ 302.13	\$279.69	\$2,334.00 \$219.76 10.4%	\$190.01	\$136.05	φιί1.2U	şııı.20	ş143.1U	¢∠31.3U	\$931.55 \$223.92 31.6%	\$3,265.55 \$443.68 15.7%
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 Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates Seasonal Percent Change resulting from COG							\$199.47 5.6% 1.8% 6.1%							\$358 27.3% 6.5% 17.1%	\$557 11.4% 3.0% 9.1%

Propane Market Purchase Cost Analysis WINTER 2010 - 2011

LINE NO.

1 2 2		Mt. Belvie	<u>u</u>	Broker Fees	_			Pipeline <u>Fees</u>		@ Selkirk		PERC		Truck to <u>Keene</u>		<u>\$ per Gal</u>	<u>.</u>	<u>Therm</u>
3 4 -	NOV	1.2579	+	0.0100	=	1.2679	+	0.0930	=	1.3609	+	0.0050	+	0.2300	=	1.5959	=	1.7441
5 6	DEC	1.2604	+	0.0100	=	1.2704	+	0.0930	=	1.3634	+	0.0050	+	0.2300	=	1.5984	=	1.7469
7 8	JAN	1.2638	+	0.0100	=	1.2738	+	0.1125	=	1.3863	+	0.0050	+	0.0690	=	1.4603	=	1.5959
9 10	FEB	1.2354	+	0.0100	=	1.2454	+	0.1125	=	1.3579	+	0.0050	+	0.0690	=	1.4319	=	1.5649
11 12	MAR	1.1708	+	0.0100	=	1.1808	+	0.1125	=	1.2933	+	0.0050	+	0.0690	=	1.3673	=	1.4943
13 14	APR	1.1101	+	0.0100	=	1.1201	+	0.1125	=	1.2326	+	0.0050	+	0.0690	=	1.3066	=	1.4279
15			•	0.0100			•	0120		0_0	•	0.0000		0.0000				

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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

Supplemental Schedule D

Surcharge

n/a

Supplemental Schedule E

	New Hampshire Gas Corporation COG FPO vs Non-FPO Price Comparison											
			Percent			Typical	Average	Typical	Cost/(Savings)			
Winter	FPO	Amount	Participation	Actual	Premium	Residential	Non-FPO	Residential	to FPO			
Period	Rate	of Premium	(therms)	FPO Volumes	Revenue	FPO bill	Rate	non-FPO bill	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			

Supplemental Schedule F

	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)
Newselses	110.000	40.074	(1) - (2)	004	707	(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)	0.075	(10 - 11) * 1.66%	
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

					lew Hampshire Normalization - S		n 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	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