### CONVERSION OF PRODUCED GAS COSTS TO THERMS

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

### 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
	SENDOUT								
1	FIRM SENDOUT *		121,107	212,021	245,208	211,316	162,557	85,808	1,038,017
2	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		\$1.4407	\$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	REVENUES								
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	\$169,543	\$171,952	\$159,012	\$97,855	\$0	

### 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	1,166,988	
PROPANE STABILIZATION PLAN PRE-PURCHASE	<u>s</u>							;
GALLONS	85,000	130,000	190,000	140,000	100,000	55,000	700,000	
PRICE	\$1.361	\$1.361	\$1.361	\$1.361	\$1.361	\$1.361		
PERC	inc.	inc.	inc.	inc.	inc.	inc.		
TRANSPORTATION	inc.	inc.	inc.	inc.	inc.	inc.		
TOTAL COST (GALLONS)	\$115,713	\$176,972	\$258,652	\$190,586	\$136,133	\$74,873	\$952,928	
SPOT PURCHASES								10
GALLONS	51,371	108,667	85,724	96,985	82,283	41,959	466,988	1 1:
Mt. Belvieu (9/10/10	\$1.1225	\$1.1275	\$1.1338	\$1.1133	\$1.0604	\$1.0131		1
Broke		\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100		1
Teppco	\$0.1125	\$0.1125	\$0.1125	\$0.1125	\$0.1125	\$0.1125		1
Pero		\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050		1
Transportation	\$0.0690	\$0.0690	\$0.0690	\$0.0690	\$0.0690	\$0.0690		1
PRICE (GALLONS)	\$1.3190	\$1.3240	\$1.3303	\$1.3098	\$1.2569	\$1.2096	\$1.2996	1 1
COST (GALLONS)	\$67,758	\$143,875	\$114,034	\$127,033	\$103,424	\$50,755	\$606,879	2
<u>TOTAL</u> GALLONS	136,371	238,667	275,724	236,985	182,283	96,959	1,166,988	2 2
PRICE (GALLONS)	\$1.3454	\$1.3443	\$1.3517	\$1.3403	\$1.3142	\$1.2957	\$1.3366	2 2 2
COST (GALLONS)	\$183,470	\$320,847	\$372,686	\$317,619	\$239,556	\$125,628	\$1,559,806	2 2
TOTAL COSTS COST	\$183,470	\$320,847	\$372,686	\$317,619	\$239,556	\$125,628	\$1,559,806	2
THERM DEMAND	124.782	218,385	252,293	216,846	166,793	88,719	1,067,818	3
MONTHLY COST PER THERM	\$1.4703	\$1.4692	\$1.4772	\$1.4647	\$1.4362	\$1.4160	\$1.4607	3

# New Hampshire Gas Corporation 2010-2011 Winter Hedging Schedule

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

#### 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)
								\$1,207	

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) + \$1,207

= (\$25,726)

Attachment D Supports Line 7 Column 1 Attachment C

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

	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	
	PRIOR	<u>NOV</u>	DEC	<u>JAN</u>	<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 35,846 208,908	148,688 <u>31,061</u> 179,749	105,760 <u>20,919</u> 126,679	790,640 163,487 954,127
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 \$41,628 \$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)	

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

	September 2010 (Estimated)	<u>Therms</u>	Cost	Therm	Gal.		
	Beginning Balance	55,609	\$78,276	\$1.4076	\$1.2880		
	Received during month	75,000	\$103,650	\$1.3820	\$1.2646		
	Total Available	130,609	\$181,926	\$1.3929	\$1.2745		
	Less Vapor	50,143	\$69,844	\$1.3929	\$1.2745		
	Ending Balance	80,466	\$112,082	\$1.3929	\$1.2745		
	-			Ra	at o		
)	October 2010 (Forecasted)	<u>Therms</u>	Cost	Therm	Gal.		
1	October 2010 (i diecasted)	memis	0031	mem	<u>oai.</u>		
2	Beginning Balance	80,466	112,082	\$1.3929	\$1.2745		
3	Received during month	85,000	\$118,167	\$1.3902	\$1.2721		
1	Total Available	165,466	\$230,249	\$1.3915	\$1.2733		
5	Less Vapor	87,274	\$121,443	\$1.3915	\$1.2733		
3	Ending Balance	78,192	\$108,806	\$1.3915	\$1.2733		
7	Ziraing Balanes	.0,.02	ψ.σσ,σσσ	ψ1.0010	ψ1. <b>2</b> 1.00		
3				Ra	ite		
9	November 2010 (Forecasted)	Therms	Cost	Therm	Gal.	Therms	Cost
)							
1	Beginning Balance	78,192	\$108,806	\$1.3915	\$1.2733		
2	Received during month	130,000	\$191,143	\$1.4703	\$1.3454		
3	Total Available	208,192	\$299,949	\$1.4407	\$1.3183		
1	Less Vapor	124,782	\$179,782	\$1.4407	\$1.3183	124,782	\$179,782
5	Ending Balance	83,411	\$120,167	\$1.4407	\$1.3182	.2.,.02	ψσ,σ <u>2</u>
3	Ziraing Balanes	00,	Ψ.20,.0.	Ψο.	ψ1.0.0 <u>L</u>		
7				Ra	ite		
3	December 2010 (Forecasted)	Therms	Cost	Therm	Gal.	Therms	Cost
9							
)	Beginning Balance	83,411	\$120,167	\$1.4407	\$1.3182		
1	Received during month	220,000	\$323,220	\$1.4692	\$1.3443		
2	Total Available	303,411	\$443,387	\$1.4613	\$1.3372		
3	Less Vapor	218,385	\$319,135	\$1.4613	\$1.3372	218,385	\$319,135
1	Ending Balance	85,026	\$124,252	\$1.4613	\$1.3372	2.0,000	φο.ο,.οο
5	Ziraing Balanes	00,020	Ψ.L.,L0L	Ψιιισισ	ψ1.007 <i>±</i>		
3				Ra	ite		
7	January 2011 (Forecasted)	Therms	Cost	Therm	Gal.	Therms	Cost
3	, (						
9	Beginning Balance	85,026	\$124,252	\$1.4613	\$1.3372		
0	Received during month	250,000	\$369,299	\$1.4772	\$1.3517		
1	Total Available	335,026	\$493,551	\$1.4732	\$1.3480		
2	Less Vapor	252,293	\$371,671	\$1.4732	\$1.3480	252,293	\$371,671
3	Ending Balance	82,733	\$121,880	\$1.4732	\$1.3480	,	<b>4</b> 0,0
4	g	,	*	*	***************************************		
5				Ra	ite		
3	February 2011 (Forecasted)	Therms	Cost	Therm	Gal.	Therms	Cost
7	(, 0,000,00)						
3	Beginning Balance	82,733	\$121,880	\$1.4732	\$1.3480		
9	Received during month	215,000	\$314,915	\$1.4647	\$1.3403		
)	Total Available	297,733	\$436,795	\$1.4671	\$1.3424		
1	Less Vapor	216,846	\$318,133	\$1.4671	\$1.3424	216,846	\$318,133
2	Ending Balance	80,887	\$118,662	\$1.4671	\$1.3424	5,5 .0	+= : 5, .00
3	3		,				
4				Ra	<u>ite</u>		
5	March 2011 (Forecasted)	Therms	Cost	Therm	Gal.	Therms	Cost
3							
7	Beginning Balance	80,887	\$118,662	\$1.4670	\$1.3423		
В	Received during month	160,000	\$229,800	\$1.4362	\$1.3142		
9	Total Available	240,887	\$348,462	\$1.4466	\$1.3236		
)	Less Vapor	166,793	\$241,283	\$1.4466	\$1.3236	166,793	\$241,283
1	Ending Balance	74,094	\$107,179	\$1.4465	\$1.3236		+=,200
	=	,	+ ,	ŢOO	Ţ <b>5200</b>		
_				Ra	ite		
	April 2011 (Forecasted)	Therms	Cost	Therm	<u>Gal.</u>	Therms	Cost
3			<u> </u>		<u> </u>		2300
3 4	, p 20 (1 010000100)			£4 440E	\$1.3236		
3 4 5	,	74 094	\$107 179				
3 4 5 6	Beginning Balance	74,094 75,000	\$107,179 \$106,201	\$1.4465 \$1.4160			
2 3 4 5 6 7 8	Beginning Balance Received during month	75,000	\$106,201	\$1.4160	\$1.2957		
3 4 5 6 7 8	Beginning Balance Received during month Total Available	75,000 149,094	\$106,201 \$213,380	\$1.4160 \$1.4312	\$1.2957 \$1.3096	88 710	\$126 973
3 4 5 6 7 8	Beginning Balance Received during month Total Available Less Vapor	75,000 149,094 88,719	\$106,201 \$213,380 \$126,973	\$1.4160 \$1.4312 \$1.4312	\$1.2957 \$1.3096 \$1.3096	88,719	\$126,973
3 4 5 6 7	Beginning Balance Received during month Total Available	75,000 149,094	\$106,201 \$213,380	\$1.4160 \$1.4312	\$1.2957 \$1.3096	88,719	\$126,973

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

Value   Property   Value   V	Shows the effect of the Unit Cost of Gas, Delivery Char	rge, & Base R	ate Charge													
Residential Heating With Coult Chig Charley Capture First 00 themes 0 \$1,00044	Typical Residential Heating Bill 12 MOS ENDED 4/2010	November	December	January	February	March	April		May	June	July	August	September	October		Total Nov-Oct
Color Chiggs	Residential Heating	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
First 80 Persons 0 30-0044 Sub36 Sub	Cust. Chg.	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20								
Summer: Out-Cly-Cly-Clarge: 6 Sp.	First 80 therms @ \$1.0694															
Count Chigo																
First 80 therms \$ \$0.0468   Next 120 herms \$ \$0.0468   S17373   S10,000   S00,000   S0	Cust. Chg.								\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.20
Cover 2000 Persons									\$75.66	\$52.02	\$28.37	\$28.37	\$39.72	\$67.15	\$291.31	\$804.60
Rate Case Surcharge																\$396.71 \$0.00
Deferred Revenues Surcharge   \$4.3   \$8.5   \$11.03   \$11.05   \$3.70   \$7.79   \$54.09   \$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
Total Bill   S271   \$364   \$448   \$450   \$400   \$522   \$2,251   \$6   \$222.47   \$176.91   \$1,249.07   \$94.83   \$61.41   \$39.51   \$39.51   \$59.52   \$39.51								\$54.99							\$0.00	\$54.99
Shows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge   Typical Residential Heating Bill								\$1,249.07								\$1,633.17
Typical Usage:	Total Bill	\$271	\$364	\$448	\$450	\$400	\$323	\$2,256	\$185	\$120	\$75	\$75	\$102	\$168	\$725	\$2,981
Residential Heating   S8.60								Nov-Apr	•						May-Oct	Nov-Oct
Residential Heating								Nov-Apr	•						May-Oct	
Delivery Charge: First 80 therms @ \$1,1108	Residential Heating Winter:								-		-	-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Next 120 therms @ \$0,9028	Delivery Charge:					****		\$51.60								
Summer:     Cust. Chg.     Delivery Charge:																
Cust. Chg. Delivery Charge: First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118  Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous year Rate Case Surcharge \$0.000 \$0.																
Delivery Charge:     First 80 therms @ \$1.0694     Next 120 therms @ \$0.8614     Over 200 therms @ \$0.8614     Over 200 therms @ \$0.7118  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 \$1,377  Seasonal Cust. Charge/Base Rate Diff. from previous year  Seasonal Percent Change from previous year  Rate Case Surcharge  \$0.000 \$0.									\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20	\$100.80
Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118    \$8.61	Delivery Charge:								¢oe ee	¢50 01	\$22.00	\$22.00	\$44.01	\$7E 02	\$220.26	\$862.53
Seasonal Cust. Charge/Base Rate Diff. from previous year   S41.00   Seasonal Percent Change from previous year   S41.00   S41.0	Next 120 therms @ \$0.8614								\$8.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.61	\$416.66 \$0.00
Seasonal Percent Change from previous year		\$123.64	\$160.65	\$194.06	\$194.96	\$175.10	\$144.41		\$102.36	\$67.01	\$40.28	\$40.28	\$53.11	\$84.12		
Total Case Surcharge \$0.00 \$0.																\$87.49 6.8%
CGA Rates - {Seasonal} \$1.5225 \$1.5225 \$1.5225 \$1.5225 \$1.5225 \$1.5225 \$1.5225 \$1.5225 \$1.6796 \$1.6796 \$1.5444 \$1.5444 \$1.6303 \$1.6303 \$1.6303 \$1.6306 \$1.60								<b>\$0.00</b>							\$37.0¢	\$27.06
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         \$1,93           Seasonal COG Difference from previous year         \$165.95         \$228.37         \$284.70         \$286.23         \$252.73         \$200.97         \$1,913         \$46.33         \$46.33         \$68.47         \$115.75         \$520.43         \$1,93           Seasonal COG Difference from previous year         \$136.33         \$136.33         \$30         \$30         \$30         \$35.5%         18           Total Bill         \$290         \$389         \$479         \$481         \$428         \$345         \$2,412         \$261         \$164         \$89         \$89         \$125         \$206         \$935         \$30	Total Nate Case Sulcital ye	\$0.00	\$U.UU	\$U.UU	\$0.00	φυ.υυ	\$0.00	\$U.UU	\$1.00	φ4.00	φ <b>2.</b> 33	<b>\$∠.</b> 35	\$3.5 <i>1</i>	<b>\$0.04</b>	\$21.Ub	\$21.06
Seasonal COG Difference from previous year     \$169.88       Seasonal Percent Change from previous year     \$136.33       Total Bill     \$290       \$481     \$428       \$345     \$2,412       \$261     \$164       \$89     \$125       \$206     \$935       \$3								\$1 //10 DE								\$1,939.38
	Seasonal COG Difference from previous year	φ100.95	<b>⊉∠∠0.3</b> /	φ <b>∠04.</b> /U	φ∠00.∠3	φ <b>∠</b> 32.13	<b>∌∠UU.9</b> /	\$169.88	Ø1.1C1¢	<b>ಫ</b> ಶ∠.36	<b>∓</b> 40.33	<b>Ψ40.33</b>	φ00.4 <i>1</i>	φ115./5	\$136.33	\$1,939.38 \$306.21 18.7%
Seasonal Total Bill Difference from provings year		\$290	\$389	\$479	\$481	\$428	\$345		\$261	\$164	\$89	\$89	\$125	\$206		\$3,346
	Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year							\$155.89 6.9%						_	\$210 29.0%	\$366 12.3%
Seasonal Percent Change resulting from Base Rates 1.8% 6.4% 2	Seasonal Percent Change resulting from Base Rates							1.8%							6.4%	2.9% 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  Winter Summer															
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: 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	\$60.29	\$92.16 \$0.00	\$93.03 \$0.00	\$74.08 \$0.00	\$44.79 \$0.00	\$389.33 \$0.00								
Summer: Cust. Chq.								\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.20
Delivery Charge:								\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.20
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		\$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
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	£4 770 00
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
ows the effect of the Unit Cost of Gas, Delivery Charge, & Base Rate Charge															
Typical Residential Heating Bill						1	Winter							Summer	Total
12 MOS ENDED 4/2011	November	December	January	February	March	April	Nov-Apr	May	June	July	August	September	October	May-Oct	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. 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. 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
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 year 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	\$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		\$1.6796	\$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		\$115.75	\$520.43	\$1,920.74
Seasonal COG Difference from previous year Seasonal Percent Change from previous year							\$11.58 0.8%							\$136.33 35.5%	\$147.92 8.3%
Total Bill	\$287	\$386	\$475	\$477	\$425	\$343	\$2,393	\$261	\$164	\$89	\$89	\$125	\$206	\$935	\$3,32
Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year							-\$2.41 -0.1%							\$210 29.0%	\$207 6.6%
Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates							1.7%							29.0% 6.4%	2.8%
Seasonal Percent Change resulting from COG	<u> </u>						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 Cha	rge, & Base R	ate 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
Winter: Cust. Chg.	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40								
Delivery Charge: First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614	\$85.55 \$97.33	\$85.55 \$103.36	\$85.55 \$103.36	\$85.55 \$103.36	\$85.55 \$103.36	\$85.55 \$78.38	\$513.29 \$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	\$438.85	\$952.14
Next 120 therms @ \$0.7378 Over 200 therms @ \$0.5882								\$27.30 \$0.00	\$0.74 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$6.64 \$0.00	\$45.74 \$0.00	\$80.42 \$0.00	\$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 <b>\$11.39</b>	\$0.0590 <b>\$15.87</b>	\$0.0590 <b>\$17.58</b>	\$0.0590 <b>\$15.46</b>	\$0.0590 <b>\$13.81</b>	\$0.0590 <b>\$10.09</b>	\$84.19	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.00	\$84.19
CGA Rates - {Seasonal} Total COG	\$1.3402 <b>\$258.66</b>	\$1.3402 <b>\$360.51</b>	\$1.3402 <b>\$399.38</b>	\$1.3402 <b>\$351.13</b>	\$1.3402 <b>\$313.61</b>	\$1.3402 <b>\$229.17</b>	\$1,912.47	\$1.0537 <b>\$123.28</b>	\$1.1165 <b>\$90.44</b>	\$1.3171 <b>\$94.83</b>	\$1.3171 <b>\$94.83</b>	\$1.3171 <b>\$117.22</b>	\$1.3171 <b>\$187.03</b>	\$1.2350 <b>\$707.63</b>	\$2,620.10
Total Bill	\$469	\$631	\$692	\$616	\$557	\$420	\$3,385	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,696
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:	November 193	December 269	January 298	February 262	March 234	April 171	Nov-Apr 1,427	May 117	June 81	July 72	August 72		October 142	May-Oct 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 Over 200 therms @ \$0.7532	\$102.01 \$0.00	\$108.33 \$51.97	\$108.33 \$73.81	\$108.33 \$46.70	\$108.33 \$25.61	\$82.15 \$0.00	\$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								\$85.55 \$31.87	\$85.55 \$0.86	\$76.99 \$0.00	\$76.99 \$0.00	\$85.55 \$7.75	\$85.55 \$53.40	\$496.18 \$93.89	\$1,029.35 \$711.38
Over 200 therms @ \$0.0014								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$198.08
Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous year	\$208.07	\$266.36	\$288.20	\$261.09	\$240.00	\$188.21	<b>\$1,451.94</b> \$63.90	\$133.82	\$102.81	\$93.39	\$93.39	\$109.70	\$155.35	\$688.47 \$85.20	<b>\$2,140.41</b> \$149.09
Seasonal Percent Change from previous year							4.6%							14.1%	7.5%
Rate Case Surcharge Total Rate Case Surcharge	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.00	\$0.0851 <b>\$9.96</b>	\$0.0851 <b>\$6.89</b>	\$0.0851 <b>\$6.13</b>	\$0.0851 <b>\$6.13</b>	\$0.0851 <b>\$7.57</b>	\$0.0851 <b>\$12.08</b>	\$48.76	\$48.76
	75.30	73.30	7	Ţ <b>-</b>	,,,,,,		70	******		,,,,,		4	,	,	,
CGA Rates - {Seasonal} Total COG	\$1.5225 <b>\$293.84</b>	\$1.5225 <b>\$409.55</b>	\$1.5225 <b>\$453.70</b>	\$1.5225 <b>\$398.89</b>	\$1.5225 <b>\$356.26</b>	\$1.5225 <b>\$260.34</b>	\$2,172.57	\$1.6796 <b>\$196.51</b>	\$1.6796 <b>\$136.05</b>	\$1.5444 <b>\$111.20</b>	\$1.5444 <b>\$111.20</b>	\$1.6303 <b>\$145.10</b>	\$1.6303 <b>\$231.50</b>	\$1.6257 <b>\$931.55</b>	
Seasonal COG Difference from previous year Seasonal Percent Change from previous year							\$260.11 13.6%							\$223.92 31.6%	\$484.03 18.5%
Total Bill	\$502	\$676	\$742	\$660	\$596	\$449	\$3,625 \$220.81	\$340	\$246	\$211	\$211	\$262	\$399	\$1,669	\$5,293
Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates							\$239.81 7.1% 1.9%							\$358 27.3% 6.5%	\$598 12.7% 3.2%
Seasonal Percent Change resulting from Base Rates 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 Cha	arge, & Base R	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	1427	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								
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 <b>\$11.39</b>		\$0.0590 <b>\$17.58</b>	\$0.0590 <b>\$15.46</b>	\$0.0590 <b>\$13.81</b>	\$0.0590 <b>\$10.09</b>	\$84.19	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.0000 <b>\$0.00</b>	\$0.00	\$84.19
CGA Rates - {Seasonal} Total COG	\$1.3743 <b>\$265.24</b>		\$1.4796 <b>\$440.92</b>	\$1.5103 <b>\$395.70</b>	\$1.6374 <b>\$383.15</b>	\$1.5178 <b>\$259.54</b>	\$1.4816 <b>\$2,114.24</b>	\$1.0537 <b>\$123.28</b>	\$1.1165 <b>\$90.44</b>	\$1.3171 <b>\$94.83</b>	\$1.3171 <b>\$94.83</b>	\$1.3171 <b>\$117.22</b>	\$1.3171 <b>\$187.03</b>	\$1.2350 <b>\$707.63</b>	\$2,821.87
Total Bill	\$476	\$640	\$734	\$661	\$626	\$450	\$3,586	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,897
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 Bill 12 MOS ENDED 4/2011	November	December	January	February	March	April		May	June	July	August	September	October		
Typical Usage:  Commercial Winter:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Cust. Chg. Delivery Charge:     First 80 therms @ \$1.1108     Next 120 therms @ \$0.9028     Over 200 therms @ \$0.7532	\$17.20 \$88.86 \$102.01 \$0.00	\$88.86 \$108.33	\$17.20 \$88.86 \$108.33 \$73.81	\$17.20 \$88.86 \$108.33 \$46.70	\$17.20 \$88.86 \$108.33 \$25.61	\$17.20 \$88.86 \$82.15 \$0.00	\$103.20 \$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	\$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 Seasonal Percent Change from previous year	ır						\$63.90 4.6%							\$85.20 14.1%	\$149.09 7.5%
Rate Case Surcharge Total Rate Case Surcharge	\$0.000 <b>\$0.00</b>		\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.000 <b>\$0.00</b>	\$0.00	\$0.0851 <b>\$9.96</b>	\$0.0851 <b>\$6.89</b>	\$0.0851 <b>\$6.13</b>	\$0.0851 <b>\$6.13</b>	\$0.0851 <b>\$7.57</b>	\$0.0851 <b>\$12.08</b>	\$48.76	\$48.76
CGA Rates - {Seasonal}	\$1.5025		\$1.5025	\$1.5025	\$1.5025	\$1.5025		\$1.6796	\$1.6796	\$1.5444	\$1.5444	\$1.6303	\$1.6303	\$1.6257	
Total COG Seasonal COG Difference from previous year Seasonal Percent Change from previous year	\$289.98	\$404.17	\$447.74	\$393.65	\$351.58	\$256.92	<b>\$2,144.03</b> \$29.79 1.4%	\$196.51	\$136.05	\$111.20	\$111.20	\$145.10	\$231.50	\$931.55 \$223.92 31.6%	\$3,075.59 \$253.71 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 Seasonal Percent Change from previous year Seasonal Percent Change resulting from Base Rates Seasonal Percent Change resulting from COG							\$9.50 0.3% 1.8% 0.8%							\$358 27.3% 6.5% 17.1%	\$367 7.5% 3.0% 5.2%

## Propane Market Purchase Cost Analysis WINTER 2010 - 2011

LINE NO.

1 2 3		Broker  Mt. Belvieu Fees						Pipeline <u>Fees</u>		@ Selkirk		PERC		Truck to <u>Keene</u>		\$ per Gal	<u>-</u>	<u>Therm</u>
4	NOV	1.1225	+	0.0100	=	1.1325	+	0.1125	=	1.2450	+	0.0050	+	0.0690	=	1.3190	=	1.4415
5 6 7	DEC	1.1275	+	0.0100	=	1.1375	+	0.1125	=	1.2500	+	0.0050	+	0.0690	=	1.3240	=	1.4470
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																		

Mt. Belvieu settlement prices based on Clearport propane futures market quotations as of 9/10/2010.
 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											
		Percent Typical Average Typical C									
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		

	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													
			1	vveatner	Normalization - S	sales Rate R	esidentiai		1	1				
	Billing Cycle	Billing Cycle			Billing Cycle Monthly Actual	Billing Cycle Monthly Normal	Colder (Warmer)		Weather	Normal	Normal Firm Billing Cycle			
Month	Customers	Sales	Base Load	Heating Load		Degree Days	Than Normal	Therm/DD	Adjustment	Heat Load	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 (1)	Base Load	Heating Load	¥	Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD (7)	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 December January
 84,823

 Jacember January
 245,514

 February March April
 201,062

 April
 149,384

 Total Winter Sales Volumes
 1,016,812