

NEW HAMPSHIRE GAS CORPORATION
COST OF GAS RATE FILING - DG 13-_____

WINTER PERIOD 2013 - 2014

ORIGINAL FILING

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New Hampshire Gas Corporation

Calculation of the Cost of Gas Rate

Period Covered: Winter Period November 1, 2013 through April 30, 2014

Projected Gas Sales - therms 1,017,695

Total Anticipated Cost of Propane Sendout \$1,682,095

Add:	Prior Period Deficiency Uncollected	\$23,544
	Interest	\$2,541

Deduct:	Prior Period Excess Collected	\$0
	Interest	\$0

Prior Period Adjustments and Interest	\$26,085
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Total Anticipated Cost	\$1,708,180
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Cost of Gas RateNon-Fixed Price Option Cost of Gas Rate (per therm) \$1.6785

Fixed Price Option Premium \$0.0200

Fixed Price Option Cost of Gas Rate (per therm) \$1.6985

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

Maximum Cost of Gas Rate - Non-Fixed Price Option (per therm) \$2.0981

Issued: October __, 2013

Effective: November 1, 2013

Issued By: _____

Michael D. Eastman
Treasurer

In Compliance with DG 13-____, Order No. _____

Calculation of the Cost of Gas Rate

Period Covered: ~~Winter Period November 1, 2012 through April 30, 2013~~
Winter Period November 1, 2013 through April 30, 2014

Projected Gas Sales - therms		931,112	1,017,695
Total Anticipated Cost of Propane Sendout		\$1,445,302	\$1,682,095
Add: Prior Period Deficiency Uncollected Interest	\$0 \$437	\$23,544 \$2,541	
Deduct: Prior Period Excess Collected Interest	(\$47,527) \$0	\$0 \$0	
Prior Period Adjustments and Interest		(\$47,090)	\$26,085
Total Anticipated Cost		\$1,398,212	\$1,708,180

Cost of Gas Rate

Non-Fixed Price Option Cost of Gas Rate (per therm)	\$1.5017	<u>\$1.6785</u>
Fixed Price Option Premium	\$0.0200	
Fixed Price Option Cost of Gas Rate (per therm)	\$1.5217	<u>\$1.6985</u>
Non-Fixed Price Option Cost of Gas Rate - Beginning Period (per therm)	\$1.5017	
Mid Period Adjustment - January 1, 2013	(\$0.0543)	
Mid Period Adjustment - March 1, 2013	\$0.1156	
Revised Non-Fixed Price Option Cost of Gas Rate - Effective March 1, 2013 (per therm)	\$1.5630	

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

Maximum Cost of Gas Rate - Non-Fixed Price Option (per therm)	<u>\$1.8774</u>	<u>\$2.0981</u>
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Issued: ~~February 22, 2013~~ October __, 2013
Effective: ~~March 1, 2013~~ November 1, 2013

Issued By: _____
Michael D. Eastman
Treasurer

In Compliance with DG 12-284, Order No. 25,433
In Compliance with DG 13-____, Order No. _____

NEW HAMPSHIRE GAS CORPORATION
 CONVERSION OF GAS COSTS - GALLONS TO THERMS
 WINTER PERIOD 2013 - 2014

	(1)	(2)	(3)	(4)	(5)	(6)
			<u>VOLUMES</u>		<u>UNIT COST</u>	
	<u>UNIT</u>	<u>CONVERSION FACTOR</u>	<u>GALLONS</u>	<u>THERMS</u>	<u>PER GALLON</u>	<u>PER THERM</u>
PROPANE FROM INVENTORY	GALLONS	0.91502	1,203,907	1,101,599	\$1.4007	\$1.5308

NEW HAMPSHIRE GAS CORPORATION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
WINTER PERIOD 2013 - 2014

	PRIOR	NOV 13	DEC 13	JAN 14	FEB 14	MAR 14	APR 14	TOTAL
<u>SENDOUT (THERMS)</u>								
1 FIRM SENDOUT *		135,815	198,672	244,486	211,841	173,606	107,002	1,071,422
2 COMPANY USE		4,038	5,082	6,229	5,874	5,344	3,610	30,177
3 TOTAL SENDOUT		139,853	203,754	250,715	217,715	178,950	110,612	1,101,599
4 * UNACCTED FOR VOLS INCLUDED		2,191	3,206	3,945	3,418	2,801	1,727	17,288
<u>COSTS</u>								
5 PROPANE SENDOUT FROM ABOVE		139,853	203,754	250,715	217,715	178,950	110,612	1,101,599
6 COST/THERM FROM SCHEDULE F		\$1.5879	\$1.5396	\$1.5328	\$1.5227	\$1.5066	\$1.4932	\$1.5308
7 FPO PREMIUM		(\$354)	(\$606)	(\$839)	(\$964)	(\$826)	(\$686)	(\$4,275)
8 TOTAL PROPANE COSTS		\$221,719	\$313,090	\$383,468	\$330,561	\$268,782	\$164,475	\$1,682,095
<u>REVENUES</u>								
9 FIRM SALES (THERMS)		84,184	144,213	199,810	229,459	196,739	163,290	1,017,695
10 RATE/THERM PER TARIFF		\$1.6785	\$1.6785	\$1.6785	\$1.6785	\$1.6785	\$1.6785	\$1.6785
11 TOTAL REVENUES		\$141,301	\$242,059	\$335,377	\$385,142	\$330,222	\$274,079	\$1,708,180
12 (OVER)/UNDER COLLECTION		\$80,418	\$71,031	\$48,091	(\$54,581)	(\$61,440)	(\$109,604)	(\$26,085)
13 INTEREST FROM SCHEDULE H		\$174	\$379	\$542	\$534	\$379	\$148	\$2,156
14 FINAL (OVER)/UNDER COLLECTION	\$23,929	\$80,592	\$71,410	\$48,633	(\$54,047)	(\$61,061)	(\$109,456)	\$0

NEW HAMPSHIRE GAS CORPORATION
CALCULATION OF PURCHASED PROPANE COSTS
WINTER PERIOD 2013 - 2014

LINE NO.		NOV 2013	DEC 2013	JAN 2014	FEB 2014	MAR 2014	APR 2014	TOTAL
1	TOTAL SENDOUT (GALLONS)	152,841	222,677	273,999	237,935	195,569	120,885	1,203,907
2	CHANGE TO ENDING INVENTORY BALANCE (GALLONS)	5,000	5,000	(5,000)	(10,000)	(5,000)	(10,000)	(20,000)
3	TOTAL REQUIRED PURCHASES (GALLONS)	157,841	227,677	268,999	227,935	190,569	110,885	1,183,907
4	<u>PROPANE PURCHASE STABILIZATION PLAN DELIVERIES</u>							
5	GALLONS	90,000	140,000	160,000	140,000	110,000	60,000	700,000
6	<u>RATES - from Schedule D</u>							
7	Contract Price	\$1.3300	\$1.3300	\$1.3300	\$1.3300	\$1.3300	\$1.3300	
8	Broker Fee	incl.	incl.	incl.	incl.	incl.	incl.	
9	Pipeline Fee	incl.	incl.	incl.	incl.	incl.	incl.	
10	PERC Fee	incl.	incl.	incl.	incl.	incl.	incl.	
11	Trucking Fee	incl.	incl.	incl.	incl.	incl.	incl.	
12	COST PER GALLON	\$1.3300	\$1.3300	\$1.3300	\$1.3300	\$1.3300	\$1.3300	\$1.3300
13	TOTAL COST - Propane Purchase Stabilization Plan Deliveries	\$119,700	\$186,200	\$212,800	\$186,200	\$146,300	\$79,800	\$931,000
14	<u>SPOT PURCHASES</u>							
15	GALLONS	67,841	87,677	108,999	87,935	80,569	50,885	483,907
16	<u>RATES - from Schedule E</u>							
17	Mt. Belvieu Futures Price (09/16/13)	\$1.1317	\$1.1321	\$1.1329	\$1.1154	\$1.0633	\$1.0258	
18	Broker Fee	\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100	
19	Pipeline Fee	\$0.2033	\$0.2033	\$0.2033	\$0.2033	\$0.2033	\$0.2033	
20	PERC Fee	\$0.0040	\$0.0040	\$0.0040	\$0.0040	\$0.0040	\$0.0040	
21	Supplier Charge	\$0.0800	\$0.0800	\$0.0800	\$0.0800	\$0.0800	\$0.0800	
22	Trucking Fee	\$0.0753	\$0.0753	\$0.0753	\$0.0753	\$0.0753	\$0.0753	
23	COST PER GALLON	\$1.5043	\$1.5047	\$1.5055	\$1.4880	\$1.4359	\$1.3984	\$1.4792
24	TOTAL COST - Spot Purchases	\$102,054	\$131,928	\$164,099	\$130,847	\$115,690	\$71,157	\$715,775
25	<u>OTHER COSTS</u>							
26	Storage - Winter Period 2013-2014	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
27	Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0
28	TOTAL OTHER COSTS	\$7,500	\$0	\$0	\$0	\$0	\$0	\$7,500
29	<u>TOTAL</u>							
30	GALLONS	157,841	227,677	268,999	227,935	190,569	110,885	1,183,907
31	THERMS	144,428	208,329	246,140	208,565	174,375	101,462	1,083,299
32	COST	\$229,254	\$318,128	\$376,899	\$317,047	\$261,990	\$150,957	\$1,654,275
33	COST PER GALLON	\$1.4524	\$1.3973	\$1.4011	\$1.3910	\$1.3748	\$1.3614	\$1.3973
34	COST PER THERM	\$1.5873	\$1.5270	\$1.5312	\$1.5201	\$1.5025	\$1.4878	\$1.5271

NEW HAMPSHIRE GAS CORPORATION
PROPANE PURCHASING STABILIZATION PLAN
WINTER PERIOD 2013 - 2014

Line
No.

Delivery Month	Pre-Purchases (Gallons)						
	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Total
Nov-13	18,000	13,500	13,500	18,000	13,500	13,500	90,000
Dec-13	28,000	21,000	21,000	28,000	21,000	21,000	140,000
Jan-14	32,000	24,000	24,000	32,000	24,000	24,000	160,000
Feb-14	28,000	21,000	21,000	28,000	21,000	21,000	140,000
Mar-14	22,000	16,500	16,500	22,000	16,500	16,500	110,000
Apr-14	12,000	9,000	9,000	12,000	9,000	9,000	60,000
Total	140,000	105,000	105,000	140,000	105,000	105,000	700,000
Monthly %	20.0%	15.0%	15.0%	20.0%	15.0%	15.0%	

11	Delivery Price per Gallon	\$1.2972	\$1.2697	\$1.1882	\$1.3106	\$1.4029	\$1.5287	
12	Total Cost	\$181,608	\$133,319	\$124,761	\$183,484	\$147,305	\$160,514	\$930,990
13	Weighted Average Winter Contract Price per gallon							\$1.3300
14	Weighted Average Winter Contract Price per therm							\$1.4535

NEW HAMPSHIRE GAS CORPORATION
PROPANE SPOT MARKET PURCHASE COST ANALYSIS
WINTER PERIOD 2013 - 2014

		(1) Mt. Belvieu ¹		(2) Broker Fee		(3) Pipeline Rate ²		(4) PERC Fee		(5) Supplier Charge		(6) Cost @ Selkirk		(7) Trucking to Keene ³		(8) \$ per Gal.		(9) \$ per Therm
1	NOV	1.1317	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.4290	+	0.0753	=	1.5043	=	1.6440
2	DEC	1.1321	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.4294	+	0.0753	=	1.5047	=	1.6444
3	JAN	1.1329	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.4302	+	0.0753	=	1.5055	=	1.6453
4	FEB	1.1154	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.4127	+	0.0753	=	1.4880	=	1.6262
5	MAR	1.0633	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3606	+	0.0753	=	1.4359	=	1.5693
6	APR	1.0258	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3231	+	0.0753	=	1.3984	=	1.5283

1. Propane futures market quotations (cmegroup.com) on 09/16/13 close. See Appendix 1.

2. Enterprise TE Products Pipeline Co., FERC tariff 54.24.0 effective 07/05/13. See Appendix 2A & 2B.

3. Northern Gas Transport trucking rate including diesel fuel surcharge. See Appendix 3A & 3B.

NEW HAMPSHIRE GAS CORPORATION

PROPANE INVENTORY & WEIGHTED AVERAGE COST OF GAS CALCULATION
WINTER PERIOD 2013 - 2014

LINE NO.

				<u>Rate</u>				
		<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>			
1	August 2013 (Actual)							
2	Beginning Balance	32,659	\$44,560	\$1.3644	\$1.2485			
3	Purchases Received	50,624	\$78,036	\$1.5415	\$1.4105			
4	Total Available	83,283	\$122,597	\$1.4720	\$1.3469			
5	Less Sendout	48,393	\$71,236	\$1.4720	\$1.3469			
6	Ending Balance	34,891	\$51,360	\$1.4720	\$1.3469			
7	September 2013 (Estimated)							
8	Beginning Balance	34,891	\$51,360	\$1.4720	\$1.3469			
9	Purchases Received	63,000	\$101,178	\$1.6060	\$1.4695			
10	Total Available	97,891	\$152,538	\$1.5583	\$1.4258			
11	Less Sendout	51,786	\$80,696	\$1.5583	\$1.4258			
12	Ending Balance	46,105	\$71,842	\$1.5582	\$1.4258			
13	October 2013 (Estimated)							
14	Beginning Balance	46,105	\$71,842	\$1.5582	\$1.4258			
15	Purchases Received	88,000	\$141,328	\$1.6060	\$1.4695			
16	Total Available	134,105	\$213,170	\$1.5896	\$1.4545			
17	Less Sendout	84,633	\$134,531	\$1.5896	\$1.4545			
18	Ending Balance	49,472	\$78,639	\$1.5896	\$1.4545			
19	November 2013 (Forecasted)							
20	Beginning Balance	49,472	\$78,639	\$1.5896	\$1.4545			
21	Purchases Received	144,428	\$229,254	\$1.5873	\$1.4524			
22	Total Available	193,900	\$307,893	\$1.5879	\$1.4530			
23	Less Sendout	139,853	\$222,073	\$1.5879	\$1.4530	139,853	\$222,073	
24	Ending Balance	54,047	\$85,820	\$1.5879	\$1.4530			
25	December 2013 (Forecasted)							
26	Beginning Balance	54,047	\$85,820	\$1.5879	\$1.4530			
27	Purchases Received	208,329	\$318,128	\$1.5270	\$1.3973			
28	Total Available	262,376	\$403,948	\$1.5396	\$1.4087			
29	Less Sendout	203,754	\$313,696	\$1.5396	\$1.4087	203,754	\$313,696	
30	Ending Balance	58,622	\$90,252	\$1.5396	\$1.4087			
31	January 2014 (Forecasted)							
32	Beginning Balance	58,622	\$90,252	\$1.5396	\$1.4087			
33	Purchases Received	246,140	\$376,899	\$1.5312	\$1.4011			
34	Total Available	304,762	\$467,151	\$1.5328	\$1.4026			
35	Less Sendout	250,715	\$384,307	\$1.5328	\$1.4026	250,715	\$384,307	
36	Ending Balance	54,047	\$82,844	\$1.5328	\$1.4026			
37	February 2014 (Forecasted)							
38	Beginning Balance	54,047	\$82,844	\$1.5328	\$1.4026			
39	Purchases Received	208,565	\$317,047	\$1.5201	\$1.3910			
40	Total Available	262,612	\$399,891	\$1.5227	\$1.3933			
41	Less Sendout	217,715	\$331,525	\$1.5227	\$1.3933	217,715	\$331,525	
42	Ending Balance	44,897	\$68,366	\$1.5228	\$1.3933			
43	March 2014 (Forecasted)							
44	Beginning Balance	44,897	\$68,366	\$1.5228	\$1.3933			
45	Purchases Received	174,375	\$261,990	\$1.5025	\$1.3748			
46	Total Available	219,272	\$330,356	\$1.5066	\$1.3786			
47	Less Sendout	178,950	\$269,608	\$1.5066	\$1.3786	178,950	\$269,608	
48	Ending Balance	40,322	\$60,748	\$1.5066	\$1.3786			
49	April 2014 (Forecasted)							
50	Beginning Balance	40,322	\$60,748	\$1.5066	\$1.3786			
51	Purchases Received	101,462	\$150,957	\$1.4878	\$1.3614			
52	Total Available	141,784	\$211,705	\$1.4932	\$1.3663			
53	Less Sendout	110,612	\$165,161	\$1.4932	\$1.3663	110,612	\$165,161	
54	Ending Balance	31,172	\$46,544	\$1.4932	\$1.3663			
55	AVERAGE WINTER RATE - SENDOUT				\$1.5308	1,101,599	\$1,686,370	
56	FPO Premium (Sch. B, Line 7)						(\$4,275)	
57	Total Propane Cost - Sendout (Sch. B, Line 8)						\$1,682,095	

NEW HAMPSHIRE GAS CORPORATION
PRIOR PERIOD (OVER)/UNDER COLLECTION
WINTER PERIOD 2012 - 2013

	<u>PRIOR</u>	<u>NOV 12</u>	<u>DEC 12</u>	<u>JAN 13</u>	<u>FEB 13</u>	<u>MAR 13</u>	<u>APR 13</u>	<u>TOTAL</u>
<u>COSTS</u>								
1 FIRM SENDOUT (therms)		141,313	179,557	233,353	204,840	172,826	104,950	1,036,839
2 COMPANY USE (therms)		4,038	5,082	6,229	5,874	5,344	3,610	30,177
3 TOTAL SENDOUT (therms)		145,351	184,639	239,582	210,714	178,170	108,560	1,067,016
4 COST PER THERM		\$1.4184	\$1.4572	\$1.4550	\$1.5121	\$1.4938	\$1.4882	\$1.4715
5 TOTAL PROPANE COSTS		\$206,172	\$269,054	\$348,589	\$318,612	\$266,153	\$161,555	\$1,570,135
<u>REVENUES</u>								
6 FPO SALES (therms)		15,038	32,242	39,368	46,007	40,508	34,135	207,298
7 NON-FPO SALES (therms)		63,351	117,275	146,342	177,190	153,745	130,838	788,741
8 TOTAL SALES		78,389	149,517	185,710	223,197	194,253	164,973	996,039
9 FPO RATE PER THERM		\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217
10 NON-FPO RATE PER THERM		\$1.5017	\$1.5017	\$1.4474	\$1.4474	\$1.5630	\$1.5630	\$1.5015
11 FPO REVENUES		\$22,883	\$49,063	\$59,906	\$70,009	\$61,641	\$51,943	\$315,445
12 NON-FPO REVENUES		\$95,117	\$176,112	\$211,818	\$256,465	\$240,303	\$204,499	\$1,184,313
13 TOTAL REVENUES		\$118,000	\$225,175	\$271,724	\$326,474	\$301,944	\$256,442	\$1,499,758
<hr/>								
14 (OVER)/UNDER COLLECTION		\$88,172	\$43,879	\$76,865	(\$7,862)	(\$35,791)	(\$94,887)	\$70,376
15 INTEREST AMOUNT		(\$11)	\$167	\$331	\$426	\$368	\$192	\$1,472
16 FINAL (OVER)/UNDER COLLECTION	(\$48,305)	\$39,856	\$83,902	\$161,099	\$153,662	\$118,240	\$23,544	

NEW HAMPSHIRE GAS CORPORATION

INTEREST CALCULATION
WINTER PERIOD 2013 - 2014

LINE NO.	MONTH	(1) BEG. OF MONTH BALANCE	(2) (OVER) UNDER COLLECT	(3) REFUNDS	(4) END OF MONTH BALANCE (COL.1+2+3)	(5) AVERAGE BALANCE COL. (COL. [1+4]/2)	(6) ANNUAL INTEREST RATE	(7) INTEREST AMOUNT	(8) MONTH END BAL. WITH INTEREST (COL. 4+7)
1	MAY 2013	\$23,544	\$0	\$0	\$23,544	\$23,544	3.25%	\$64	\$23,608
2	JUN	23,608	0	0	23,608	23,608	3.25%	64	23,672
3	JUL	23,672	0	0	23,672	23,672	3.25%	64	23,736
4	AUG	23,736	0	0	23,736	23,736	3.25%	64	23,800
5	SEP	23,800	0	0	23,800	23,800	3.25%	64	23,864
6	OCT	23,864	0	0	23,864	23,864	3.25%	65	23,929
7	NOV	23,929	80,418	0	104,347	64,138	3.25%	174	104,521
8	DEC	104,521	71,031	0	175,552	140,037	3.25%	379	175,931
9	JAN 2014	175,931	48,091	0	224,022	199,977	3.25%	542	224,564
10	FEB	224,564	(54,581)	0	169,983	197,274	3.25%	534	170,517
11	MAR	170,517	(61,440)	0	109,077	139,797	3.25%	379	109,456
12	APR	109,456	(109,604)	0	(148)	54,654	3.25%	148	0
13									
14								<u>\$2,541</u>	
15	PRIOR PERIOD BEG. BALANCE w/INTEREST @ NOVEMBER 1, 2013 =								
16	PRIOR PERIOD BEG. BAL. @ MAY 1, 2013 + INTEREST AMOUNT FOR MAY 2013 - OCTOBER 2013								
17	=	COL. 1, LINE 1		+	COL. 7, LINES 1 TO 6				
18	=	23,544		+	385	=	<u>23,929</u>	@ NOVEMBER 1, 2013	(TRANSFER TO SCHEDULE B, LINE 14)

New Hampshire Gas Corporation Weather Normalization - Firm Sendout													
Period	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 1.64%	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) * 1.64%	(10) - (11) + (12)
Nov-12	145,351	45,036	100,315	861	795	66	116.51	(7,690)	92,625	137,661	4,038	2,191	135,815
Dec-12	184,639	45,036	139,603	1,053	1,173	(120)	132.58	15,909	155,512	200,548	5,082	3,206	198,672
Jan-13	239,582	45,036	194,546	1,299	1,347	(48)	149.77	7,189	201,734	246,770	6,229	3,945	244,486
Feb-13	210,714	45,036	165,679	1,110	1,134	(24)	149.26	3,582	169,261	214,297	5,874	3,418	211,841
Mar-13	178,170	45,036	133,134	988	973	15	134.75	(2,021)	131,113	176,149	5,344	2,801	173,606
Apr-13	108,560	45,036	63,524	585	588	(3)	108.59	326	63,850	108,886	3,610	1,727	107,002
Total	1,067,016	270,215	796,800	5,896	6,010	(114)		17,295	814,095	1,084,311	30,177	17,288	1,071,422

SCHEDULE J

New Hampshire Gas Corporation Weather Normalization - Sales Rate Residential											
Period	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)
Nov-12	777	17,126	6,535	10,591	489	561	(72)	21.66	1,559	12,150	18,685
Dec-12	798	33,596	6,535	27,061	889	850	39	30.44	(1,187)	25,874	32,409
Jan-13	796	42,501	6,535	35,966	1,104	1,209	(105)	32.58	3,421	39,387	45,922
Feb-13	795	48,688	6,535	42,153	1,261	1,304	(43)	33.43	1,437	43,590	50,125
Mar-13	800	41,013	6,535	34,478	1,088	1,105	(17)	31.69	539	35,017	41,552
Apr-13	794	36,261	6,535	29,726	922	910	12	32.24	(387)	29,339	35,874
Total		219,185	39,210	179,975	5,753	5,939	(186)	28.94	5,382	185,357	224,567

New Hampshire Gas Corporation Weather Normalization - Sales Rate Commercial											
Period	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)
Nov-12	419	61,263	35,135	26,129	475	552	(77)	55.01	4,236	30,364	65,499
Dec-12	428	115,921	35,135	80,787	883	838	45	91.49	(4,117)	76,669	111,804
Jan-13	434	143,209	35,135	108,075	1,093	1,201	(108)	98.88	10,679	118,753	153,888
Feb-13	436	174,509	35,135	139,375	1,271	1,315	(44)	109.66	4,825	144,199	179,334
Mar-13	437	153,240	35,135	118,106	1,092	1,110	(18)	108.16	1,947	120,052	155,187
Apr-13	434	128,712	35,135	93,578	939	926	13	99.66	(1,296)	92,282	127,416
Total		776,854	210,807	566,047	5,753	5,942	(189)	86.10	16,274	582,321	793,128

Summary - Total Winter Season Billed Sales

	Actual 2012-2013	Normalized
November	78,389	84,184
December	149,517	144,213
January	185,710	199,810
February	223,197	229,459
March	194,253	196,739
April	164,973	163,290
Total	996,039	1,017,695

New Hampshire Gas Corporation
Typical Residential Heating Bill - Fixed Price Option Program
Forecasted 2013-2014 Winter Period vs. Actual 2012-2013 Winter Period

1	(1)															(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
2	12 MONTHS ENDED 04/2013							Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	Winter Nov-Apr	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Summer May-Oct	Total Nov-Oct							
3	Typical Usage - therms (1)							37	82	106	123	102	88	538	44	21	13	11	11	15	115	653							
4	Residential Heating																												
5	Customer Charge							\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$108.00							
6	Delivery Charge: Winter Summer																												
7	First 80 therms @ \$1.1522 \$1.1522							\$42.63	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$503.53	\$50.70	\$24.20	\$14.98	\$12.67	\$12.67	\$17.28	\$132.50	\$636.03							
8	Next 120 therms @ \$0.9442 \$0.9442							\$0.00	\$1.89	\$24.55	\$40.60	\$20.77	\$7.55	\$95.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$95.36							
9	Over 200 therms @ \$0.7946 \$0.7946							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00							
10	Base Delivery Revenue Total							\$51.63	\$103.07	\$125.73	\$141.78	\$121.95	\$108.73	\$652.89	\$59.70	\$33.20	\$23.98	\$21.67	\$21.67	\$26.28	\$186.50	\$839.39							
11	Deferred Revenue Surcharge Rate							\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000									
12	Deferred Revenue Surcharge Total							\$2.65	\$5.87	\$7.59	\$8.81	\$7.30	\$6.30	\$38.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.52							
13	COG Rates							\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.7884	\$1.2767	\$1.2025	\$1.3013	\$1.1527	\$1.1527	\$1.4383								
14	Cost of Gas Total							\$56.30	\$124.78	\$161.30	\$187.17	\$155.21	\$133.91	\$818.67	\$78.69	\$26.81	\$15.63	\$14.31	\$12.68	\$17.29	\$165.41	\$984.08							
15	Total Bill							\$111	\$234	\$295	\$338	\$284	\$249	\$1,510	\$138	\$60	\$40	\$36	\$34	\$44	\$352	\$1,862							
16																													
17	12 MONTHS ENDED 04/2014							Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	Winter Nov-Apr	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer May-Oct	Total Nov-Oct							
18	Typical Usage - therms (1)							37	82	106	123	102	88	538	44	21	13	11	11	15	115	653							
19	Residential Heating																												
20	Customer Charge							\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$108.00							
21	Delivery Charge: Winter Summer																												
22	First 80 therms @ \$1.1522 \$1.1522							\$42.63	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$503.53	\$50.70	\$24.20	\$14.98	\$12.67	\$12.67	\$17.28	\$132.50	\$636.03							
23	Next 120 therms @ \$0.9442 \$0.9442							\$0.00	\$1.89	\$24.55	\$40.60	\$20.77	\$7.55	\$95.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$95.36							
24	Over 200 therms @ \$0.7946 \$0.7946							\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00							
25	Base Delivery Revenue Total							\$51.63	\$103.07	\$125.73	\$141.78	\$121.95	\$108.73	\$652.89	\$59.70	\$33.20	\$23.98	\$21.67	\$21.67	\$26.28	\$186.50	\$839.39							
26	Seasonal Base Delivery Difference from previous year													\$0.00							\$0.00	\$0.00							
27	Seasonal Percent Change from previous year													0.0%							0.0%	0.0%							
28	Deferred Revenue Surcharge Rate							\$0.0617	\$0.0617	\$0.0617	\$0.0617	\$0.0617	\$0.0617		\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716									
29	Deferred Revenue Surcharge Total							\$2.28	\$5.06	\$6.54	\$7.59	\$6.29	\$5.43	\$33.19	\$3.15	\$1.50	\$0.93	\$0.79	\$0.79	\$1.07	\$8.23	\$41.42							
30	COG Rates							\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.6654	\$1.4944								
31	Cost of Gas Total							\$62.84	\$139.28	\$180.04	\$208.92	\$173.25	\$149.47	\$913.80	\$65.52	\$31.27	\$16.31	\$15.46	\$18.32	\$24.98	\$171.86	\$1,085.66							
32	Seasonal COG Difference from previous year													\$95.13							\$6.45	\$101.58							
33	Seasonal Percent Change from previous year													11.6%							3.9%	10.3%							
34	Total Bill							\$117	\$247	\$312	\$358	\$301	\$264	\$1,600	\$128	\$66	\$41	\$38	\$41	\$52	\$367	\$1,966							
35	Seasonal Total Bill Difference from previous year													\$89.80							\$14.68	\$104.48							
36	Seasonal Percent Change from previous year													5.9%							4.2%	5.6%							
37	Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)													-0.4%							2.3%	0.2%							
38	Seasonal Percent Change resulting from COG													6.3%							1.8%	5.5%							

(1) Residential Heating Typical Usage: Residence using gas for heat, hot water and cooking.

New Hampshire Gas Corporation
Typical Residential Heating Bill - Non-Fixed Price Option Program
Forecasted 2013-2014 Winter Period vs. Actual 2012-2013 Winter Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1							Winter							Summer	Total
2	12 MONTHS ENDED 04/2013						Nov-Apr	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	May-Oct	Nov-Oct
3	Typical Usage - therms (1)						538	44	21	13	11	11	15	115	653
4	Residential Heating														
5	Customer Charge						\$54.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$108.00
6	Delivery Charge:														
7	First 80 therms @ \$1.1522						\$503.53	\$50.70	\$24.20	\$14.98	\$12.67	\$12.67	\$17.28	\$132.50	\$636.03
8	Next 120 therms @ \$0.9442						\$95.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$95.36
9	Over 200 therms @ \$0.7946						\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10	Base Delivery Revenue Total						\$652.89	\$59.70	\$33.20	\$23.98	\$21.67	\$21.67	\$26.28	\$186.50	\$839.39
11	Deferred Revenue Surcharge Rate							\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
12	Deferred Revenue Surcharge Total						\$38.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.52
13	COG Rates						\$1.5002	\$1.7884	\$1.2767	\$1.2025	\$1.3013	\$1.1527	\$1.1527	\$1.4383	
14	Cost of Gas Total						\$807.12	\$78.69	\$26.81	\$15.63	\$14.31	\$12.68	\$17.29	\$165.41	\$972.53
15	Total Bill						\$1,499	\$138	\$60	\$40	\$36	\$34	\$44	\$352	\$1,850
16															
17	12 MONTHS ENDED 04/2014						Nov-Apr	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	May-Oct	Nov-Oct
18	Typical Usage - therms (1)						538	44	21	13	11	11	15	115	653
19	Residential Heating														
20	Customer Charge						\$54.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$9.00	\$54.00	\$108.00
21	Delivery Charge:														
22	First 80 therms @ \$1.1522						\$503.53	\$50.70	\$24.20	\$14.98	\$12.67	\$12.67	\$17.28	\$132.50	\$636.03
23	Next 120 therms @ \$0.9442						\$95.36	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$95.36
24	Over 200 therms @ \$0.7946						\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25	Base Delivery Revenue Total						\$652.89	\$59.70	\$33.20	\$23.98	\$21.67	\$21.67	\$26.28	\$186.50	\$839.39
26	Seasonal Base Delivery Difference from previous year						\$0.00							\$0.00	\$0.00
27	Seasonal Percent Change from previous year						0.0%							0.0%	0.0%
28	Deferred Revenue Surcharge Rate							\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		
29	Deferred Revenue Surcharge Total						\$33.19	\$3.15	\$1.50	\$0.93	\$0.79	\$0.79	\$1.07	\$8.23	\$41.42
30	COG Rates						\$1.6785	\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.6654	\$1.4944	
31	Cost of Gas Total						\$903.04	\$65.52	\$31.27	\$16.31	\$15.46	\$18.32	\$24.98	\$171.86	\$1,074.90
32	Seasonal COG Difference from previous year						\$95.92							\$6.45	\$102.37
33	Seasonal Percent Change from previous year						11.9%							3.9%	10.5%
34	Total Bill						\$1,589	\$128	\$66	\$41	\$38	\$41	\$52	\$367	\$1,956
35	Seasonal Total Bill Difference from previous year						\$90.59							\$14.68	\$105.27
36	Seasonal Percent Change from previous year						6.0%							4.2%	5.7%
37	Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)						-0.4%							2.3%	0.2%
38	Seasonal Percent Change resulting from COG						6.4%							1.8%	5.5%

(1) Residential Heating Typical Usage: Residence using gas for heat, hot water and cooking.

New Hampshire Gas Corporation
Typical Commercial Bill - Fixed Price Option Program
Forecasted 2013-2014 Winter Period vs. Actual 2012-2013 Winter Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1							Winter							Summer	Total
2	12 MONTHS ENDED 04/2013						Nov-Apr	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	May-Oct	Nov-Oct
3	Typical Usage - therms						1,952	183	115	91	88	95	108	680	2,632
4	Commercial														
5	Customer Charge						\$108.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$108.00	\$216.00
6	Delivery Charge:														
7	First 80 therms @ \$1.1522						\$553.08	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$553.08	\$1,106.16
8	Next 120 therms @ \$0.9442						\$650.53	\$97.25	\$33.05	\$10.39	\$7.55	\$14.16	\$26.44	\$188.84	\$839.37
9	Over 200 therms @ \$0.7946						\$622.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$622.17
10	Base Delivery Revenue Total						\$1,933.78	\$207.43	\$143.23	\$120.57	\$117.73	\$124.34	\$136.62	\$849.92	\$2,783.70
11	Deferred Revenue Surcharge Rate							\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
12	Deferred Revenue Surcharge Total						\$139.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$139.76
13	COG Rates						\$1.5217	\$1.7884	\$1.2767	\$1.2025	\$1.3013	\$1.1527	\$1.1527	\$1.3706	
14	Cost of Gas Total						\$2,970.36	\$327.28	\$146.82	\$109.43	\$114.51	\$109.51	\$124.49	\$932.04	\$3,902.40
15	Total Bill						\$5,044	\$535	\$290	\$230	\$232	\$234	\$261	\$1,782	\$6,826
16															
17	12 MONTHS ENDED 04/2014						Nov-Apr	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer	Total
18	Typical Usage - therms						1,952	183	115	91	88	95	108	680	2,632
19	Commercial														
20	Customer Charge						\$108.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$108.00	\$216.00
21	Delivery Charge:														
22	First 80 therms @ \$1.1522						\$553.08	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$553.08	\$1,106.16
23	Next 120 therms @ \$0.9442						\$650.53	\$97.25	\$33.05	\$10.39	\$7.55	\$14.16	\$26.44	\$188.84	\$839.37
24	Over 200 therms @ \$0.7946						\$622.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$622.17
25	Base Delivery Revenue Total						\$1,933.78	\$207.43	\$143.23	\$120.57	\$117.73	\$124.34	\$136.62	\$849.92	\$2,783.70
26	Seasonal Base Delivery Difference from previous year						\$0.00							\$0.00	\$0.00
27	Seasonal Percent Change from previous year						0.0%							0.0%	0.0%
28	Deferred Revenue Surcharge Rate							\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		
29	Deferred Revenue Surcharge Total						\$120.44	\$13.10	\$8.23	\$6.52	\$6.30	\$6.80	\$7.73	\$48.68	\$169.12
30	COG Rates						\$1.6985	\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.6654	\$1.4995	
31	Cost of Gas Total						\$3,315.47	\$272.52	\$171.26	\$114.14	\$123.70	\$158.21	\$179.86	\$1,019.69	\$4,335.16
32	Seasonal COG Difference from previous year						\$345.11							\$87.65	\$432.76
33	Seasonal Percent Change from previous year						11.6%							9.4%	11.1%
34	Total Bill						\$5,370	\$493	\$323	\$241	\$248	\$289	\$324	\$1,918	\$7,288
35	Seasonal Total Bill Difference from previous year						\$325.79							\$136.33	\$462.12
36	Seasonal Percent Change from previous year						6.5%							7.7%	6.8%
37	Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)						-0.4%							2.7%	0.4%
38	Seasonal Percent Change resulting from COG						6.8%							4.9%	6.3%

New Hampshire Gas Corporation
Typical Commercial Bill - Non-Fixed Price Option Program
Forecasted 2013-2014 Winter Period vs. Actual 2012-2013 Winter Period

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1							Winter							Summer	Total
2	12 MONTHS ENDED 04/2013						Nov-Apr	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	May-Oct	Nov-Oct
3	Typical Usage - therms						1,952	183	115	91	88	95	108	680	2,632
4	Commercial														
5	Customer Charge						\$108.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$108.00	\$216.00
6	Delivery Charge:														
7	First 80 therms @ \$1.1522						\$553.08	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$553.08	\$1,106.16
8	Next 120 therms @ \$0.9442						\$650.53	\$97.25	\$33.05	\$10.39	\$7.55	\$14.16	\$26.44	\$188.84	\$839.37
9	Over 200 therms @ \$0.7946						\$622.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$622.17
10	Base Delivery Revenue Total						\$1,933.78	\$207.43	\$143.23	\$120.57	\$117.73	\$124.34	\$136.62	\$849.92	\$2,783.70
11	Deferred Revenue Surcharge Rate							\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
12	Deferred Revenue Surcharge Total						\$139.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$139.76
13	COG Rates						\$1.5000	\$1.7884	\$1.2767	\$1.2025	\$1.3013	\$1.1527	\$1.1527	\$1.3706	
14	Cost of Gas Total						\$2,927.98	\$327.28	\$146.82	\$109.43	\$114.51	\$109.51	\$124.49	\$932.04	\$3,860.02
15	Total Bill						\$5,002	\$535	\$290	\$230	\$232	\$234	\$261	\$1,782	\$6,783
16															
17	12 MONTHS ENDED 04/2014						Nov-Apr	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer	Total
18	Typical Usage - therms						1,952	183	115	91	88	95	108	680	2,632
19	Commercial														
20	Customer Charge						\$108.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$18.00	\$108.00	\$216.00
21	Delivery Charge:														
22	First 80 therms @ \$1.1522						\$553.08	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$92.18	\$553.08	\$1,106.16
23	Next 120 therms @ \$0.9442						\$650.53	\$97.25	\$33.05	\$10.39	\$7.55	\$14.16	\$26.44	\$188.84	\$839.37
24	Over 200 therms @ \$0.7946						\$622.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$622.17
25	Base Delivery Revenue Total						\$1,933.78	\$207.43	\$143.23	\$120.57	\$117.73	\$124.34	\$136.62	\$849.92	\$2,783.70
26	Seasonal Base Delivery Difference from previous year						\$0.00							\$0.00	\$0.00
27	Seasonal Percent Change from previous year						0.0%							0.0%	0.0%
28	Deferred Revenue Surcharge Rate							\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		
29	Deferred Revenue Surcharge Total						\$120.44	\$13.10	\$8.23	\$6.52	\$6.30	\$6.80	\$7.73	\$48.68	\$169.12
30	COG Rates						\$1.6785	\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.6654	\$1.4995	
31	Cost of Gas Total						\$3,276.43	\$272.52	\$171.26	\$114.14	\$123.70	\$158.21	\$179.86	\$1,019.69	\$4,296.12
32	Seasonal COG Difference from previous year						\$348.45							\$87.65	\$436.10
33	Seasonal Percent Change from previous year						11.9%							9.4%	11.3%
34	Total Bill						\$5,331	\$493	\$323	\$241	\$248	\$289	\$324	\$1,918	\$7,249
35	Seasonal Total Bill Difference from previous year						\$329.13							\$136.33	\$465.46
36	Seasonal Percent Change from previous year						6.6%							7.7%	6.9%
37	Seasonal Percent Change resulting from Base Rates (incl. Def. Revenue Surch.)						-0.4%							2.7%	0.4%
38	Seasonal Percent Change resulting from COG						7.0%							4.9%	6.4%

SCHEDULE M

New Hampshire Gas Corporation Historical COG Comparison - FPO vs. Non-FPO Bill									
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
2012-2013	\$1.5217	\$0.02	20.81%	207,298	\$4,146	\$819	\$1.5002	\$807	\$12
2011-2012	\$2.2357	\$0.02	18.21%	152,560	\$3,051	\$1,203	\$2.1253	\$1,143	\$59
2010-2011	----- FPO not offered due to Selkirk terminal embargo -----								
2009-2010	\$1.3402	\$0.02	17.12%	163,486	\$3,270	\$721	\$1.4900	\$802	(\$81)
2008-2009	\$2.2408	\$0.02	21.08%	205,970	\$4,119	\$1,206	\$1.7347	\$933	\$272
2007-2008	\$1.5212	\$0.02	28.01%	266,419	\$5,328	\$818	\$1.7646	\$949	(\$131)
2006-2007	\$1.4741	\$0.02	21.86%	206,686	\$4,134	\$793	\$1.5397	\$828	(\$35)
2005-2006	\$1.5260	\$0.02	42.91%	348,849	\$6,977	\$821	\$1.3742	\$739	\$82
2004-2005	\$1.2323	n/a	39.44%	340,315	n/a	\$663	\$1.2647	\$680	(\$17)
2003-2004	\$0.8877	n/a	38.78%	316,300	n/a	\$478	\$1.0325	\$555	(\$78)
Average						\$836		\$826	\$9

MONT BELVIEU PROPANE FUTURES - 09/16/13 CLOSE



CME Group » Energy » Mont Belvieu LDH Propane (OPIS)

Energy Products

Mont Belvieu LDH Propane (OPIS) Futures

Quotes Time & Sales Volume Settlements

Futures | Options

Trade Date

Monday, September 16 2013

Daily Settlements for Mont Belvieu LDH Propane (OPIS) Future Futures (FINAL)

Month	Open	High	Low	Last	Change	Settle
SEP 13	-	-	-	-	-.00387	1.13494
OCT 13	-	-	-	-	-.00709	1.13333
NOV 13	-	-	-	-	-.00833	1.13167
DEC 13	-	-	-	-	-.00750	1.13208
JAN 14	-	-	-	-	-.00708	1.13292
FEB 14	-	-	-	-	-.00625	1.11542
MAR 14	-	-	-	-	-.00667	1.06333
APR 14	-	-	-	-	-.00584	1.02583

ENTERPRISE TE PRODUCTS PIPELINE FERC TARIFF 54.24.0 - EFFECTIVE 07/05/13

RATES (In Cents-per-bbl.)			
[U] All rates are unchanged.			
ITEM NO. 135 Non-Incentive Rates for Propane (Southern Segment Origins)			
Destination	Origin		
	Arcadia (Bienville Parish, LA)	Mont Belvieu (Chambers Co., TX)	
ZONE 1			
Lima (Allen Co., OH)	--	532.50 *	
Todhunter (Butler Co., OH)	522.38	562.50	
ZONE 2			
Coshocton (Coshocton Co., OH)	587.63	627.75	
Du Bois (Clearfield Co., PA)	657.70 (1)	696.92 (1)	
Greensburg (Westmoreland Co., PA)	618.47 (1)	657.70 (1)	
ZONE 3			
Schaefferstown (Lebanon Co., PA)	--	751.31	
Sinking Spring (Berks Co., PA)	--	751.31	
ZONE 4			
Finger Lakes (Schuyler Co., NY)	701.38	740.79	
Harford Mills (Cortland Co., NY)	--	743.31 (1)	
Oneonta (Otsego Co., NY)	--	803.19 (1)	
Selkirk (Albany Co., NY)	--	854.01 (1)	
Watkins Glen (Schuyler Co., NY)	665.89 (1)	705.30 (1)	
ZONE 5			
Arcadia (Bienville Parish, LA)	--	205.65	
Calvert City (Marshall Co., KY)	--	382.92	
Dexter (Stoddard Co., MO)	--	298.27	
Fontaine (Green Co., AR)	--	280.23	
Kingsland (Cleveland Co., AR)	--	237.67	
Lebanon (Boone Co., IN)	--	351.78 (8)	
North Little Rock (Pulaski Co., AR)	--	250.77	
Princeton (Gibson Co., IN)	354.02	382.92	
Seymour (Jackson Co., IN)	--	334.26	
West Memphis (Crittenden Co., AR)	--	298.27 (8)	

ENTERPRISE TE PRODUCTS PIPELINE CO. TARIFF RATES

Effective July 5, 2013

FERC 54.24.0

ITEM NO. 135 - Non-Incentive Rates for Propane (Southern Segment Origins)

		Origin Mount Belvieu ¢-per-bbl	gal-per-bbl	fee-per-gal
Destination				
Selkirk (Albany Co., NY)	See page 11 of 16	854.01	42	0.2033

ITEM NO. 30 - December-through-February Charges

If, during a single calendar month in the period December through February, Shipper receives deliveries at northeast terminals in excess of the total volume delivered to the same Shipper at such terminals during the preceding March-through-November period, a charge of thirty cents (30¢) per Barrel in addition to all other charges shall apply to such excess volume.

		Origin Mount Belvieu ¢-per-bbl	gal-per-bbl	fee-per-gal
Destination				
Selkirk (Albany Co., NY)	See page 5 of 16	30.0	42	0.0071

From: Maisie Gilman [mailto:m.gilman@northerngastransport.com]
Sent: Tuesday, September 17, 2013 08:22 AM
Subject: Fuel Surcharge email

Northern Gas Transport, Inc.
Box 106
Lyndonville, VT 05851-0106
1-800-648-1075
FAX: 802-626-5039

September 17, 2013

To: All Customers

Re: Fuel Surcharge

As of Monday, September 16th, 2013 the Department of Energy New England average price per gallon of diesel fuel was \$4.088. All deliveries invoiced from Sunday, September 22nd, 2013 through Saturday, September 28th, 2013 will be line item assessed at 31.0% fuel surcharge. Thank you and should you have any questions, please contact Susan Noyes at 1-800-648-1075 extension 223.

Best Regards,

Bruce Grant
President/Owner

NHCG0032

Northern Gas Transport Inc. - Selkirk to Keene

Gallons	Base Rate	Base Charge	Fuel Surcharge Rate	Fuel Surcharge	Total Charge	Total Rate Per Gallon
9,200	\$0.0575	\$529.00	20.00%	\$105.80	\$634.80	\$0.0690
9,200	\$0.0575	\$529.00	20.50%	\$108.45	\$637.45	\$0.0693
9,200	\$0.0575	\$529.00	21.00%	\$111.09	\$640.09	\$0.0696
9,200	\$0.0575	\$529.00	21.50%	\$113.74	\$642.74	\$0.0699
9,200	\$0.0575	\$529.00	22.00%	\$116.38	\$645.38	\$0.0702
9,200	\$0.0575	\$529.00	22.50%	\$119.03	\$648.03	\$0.0704
9,200	\$0.0575	\$529.00	23.00%	\$121.67	\$650.67	\$0.0707
9,200	\$0.0575	\$529.00	23.50%	\$124.32	\$653.32	\$0.0710
9,200	\$0.0575	\$529.00	24.00%	\$126.96	\$655.96	\$0.0713
9,200	\$0.0575	\$529.00	24.50%	\$129.61	\$658.61	\$0.0716
9,200	\$0.0575	\$529.00	25.00%	\$132.25	\$661.25	\$0.0719
9,200	\$0.0575	\$529.00	25.50%	\$134.90	\$663.90	\$0.0722
9,200	\$0.0575	\$529.00	26.00%	\$137.54	\$666.54	\$0.0725
9,200	\$0.0575	\$529.00	26.50%	\$140.19	\$669.19	\$0.0727
9,200	\$0.0575	\$529.00	27.00%	\$142.83	\$671.83	\$0.0730
9,200	\$0.0575	\$529.00	27.50%	\$145.48	\$674.48	\$0.0733
9,200	\$0.0575	\$529.00	28.00%	\$148.12	\$677.12	\$0.0736
9,200	\$0.0575	\$529.00	28.50%	\$150.77	\$679.77	\$0.0739
9,200	\$0.0575	\$529.00	29.00%	\$153.41	\$682.41	\$0.0742
9,200	\$0.0575	\$529.00	29.50%	\$156.06	\$685.06	\$0.0745
9,200	\$0.0575	\$529.00	30.00%	\$158.70	\$687.70	\$0.0748
9,200	\$0.0575	\$529.00	30.50%	\$161.35	\$690.35	\$0.0750
9,200	\$0.0575	\$529.00	31.00%	\$163.99	\$692.99	\$0.0753
9,200	\$0.0575	\$529.00	31.50%	\$166.64	\$695.64	\$0.0756
9,200	\$0.0575	\$529.00	32.00%	\$169.28	\$698.28	\$0.0759
9,200	\$0.0575	\$529.00	32.50%	\$171.93	\$700.93	\$0.0762
9,200	\$0.0575	\$529.00	33.00%	\$174.57	\$703.57	\$0.0765
9,200	\$0.0575	\$529.00	33.50%	\$177.22	\$706.22	\$0.0768
9,200	\$0.0575	\$529.00	34.00%	\$179.86	\$708.86	\$0.0771
9,200	\$0.0575	\$529.00	34.50%	\$182.51	\$711.51	\$0.0773
9,200	\$0.0575	\$529.00	35.00%	\$185.15	\$714.15	\$0.0776
9,200	\$0.0575	\$529.00	35.50%	\$187.80	\$716.80	\$0.0779
9,200	\$0.0575	\$529.00	36.00%	\$190.44	\$719.44	\$0.0782
9,200	\$0.0575	\$529.00	36.50%	\$193.09	\$722.09	\$0.0785
9,200	\$0.0575	\$529.00	37.00%	\$195.73	\$724.73	\$0.0788
9,200	\$0.0575	\$529.00	37.50%	\$198.38	\$727.38	\$0.0791
9,200	\$0.0575	\$529.00	38.00%	\$201.02	\$730.02	\$0.0794
9,200	\$0.0575	\$529.00	38.50%	\$203.67	\$732.67	\$0.0796
9,200	\$0.0575	\$529.00	39.00%	\$206.31	\$735.31	\$0.0799
9,200	\$0.0575	\$529.00	39.50%	\$208.96	\$737.96	\$0.0802
9,200	\$0.0575	\$529.00	40.00%	\$211.60	\$740.60	\$0.0805

**New Hampshire Gas Corporation
Deferred Revenue Surcharge
DG 09-038**

Deferred Revenue (Note 1): \$178,586

<u>Revenue Recovery - Nov 2012 - Oct 2013</u>	<u>Sales</u>	<u>Surcharge (Note 2)</u>	<u>Revenue</u>
Nov 2012	78,389	\$0.0716	\$5,613
Dec 2012	149,517	\$0.0716	\$10,705
Jan 2013	185,710	\$0.0716	\$13,297
Feb 2013	223,197	\$0.0716	\$15,981
Mar 2013	194,253	\$0.0716	\$13,909
Apr 2013	164,973	\$0.0716	\$11,812
May 2013	97,954	\$0.0716	\$7,014
Jun 2013	59,307	\$0.0716	\$4,246
Jul 2013	41,583	\$0.0716	\$2,977
Aug 2013	42,347	\$0.0716	\$3,032
Sep 2013 (Fcst.)	44,362	\$0.0716	\$3,176
Oct 2013 (Fcst.)	47,308	\$0.0716	\$3,387
Revenue Recovery - months 1-12	1,328,900	\$0.0716	\$95,149

Revenue to be Recovered - months 13-24 \$83,437

Sales Forecast - Nov 2013 - Oct 2014 1,352,356

Deferred Revenue Surcharge - Nov 2013 thru Oct 2014 \$0.0617

Notes:

- 1) Order 25,039 (October 30, 2009) allowed NHGC to implement the approved rate increase in stages and defer the difference between the approved delivery rates and the discounted rates for future recovery after rates reached the approved maximum. Deferred revenue to be recovered over 24 months through a deferred revenue surcharge.
- 2) The deferred revenue reconciliation was included in NHGC's 2012-13 winter COG filing (DG 12-284) and the deferred revenue surcharge of \$0.0716 per therm for the first twelve months of the 24 month recovery became effective November 1, 2012. See Order 25.433 (October 30, 2012).