

NEW HAMPSHIRE GAS CORPORATION
COST OF GAS RATE FILING - DG 14-_____

SUMMER PERIOD 2014

ORIGINAL FILING

CONTENTS

1. TARIFF PAGE - COST OF GAS RATE	
2. MARKED TARIFF PAGE - COST OF GAS RATE	
3. CONVERSION OF GAS COSTS - GALLONS TO THERMS	SCHEDULE A
4. CALCULATION OF COST OF GAS RATE	SCHEDULE B
5. PROPANE SPOT MARKET PURCHASE COST ANALYSIS	SCHEDULE C
6. PROPANE INVENTORY & WACOG CALCULATION	SCHEDULE D
7. PRIOR PERIOD (OVER)/UNDER COLLECTION	SCHEDULE E
8. INTEREST CALCULATION	SCHEDULE F
9. WEATHER NORMALIZATION - SENDOUT	SCHEDULE G
10. WEATHER NORMALIZATION - SALES	SCHEDULE H
<u>BILL IMPACT ANALYSES:</u>	
11. RESIDENTIAL FPO	SCHEDULE I-1
12. RESIDENTIAL NON-FPO	SCHEDULE I-2
<u>PROPANE PURCHASING STABILIZATION PLAN:</u>	
13. PREMIUM FOR PRE-PURCHASED VOLUMES	SCHEDULE J-1
14. COMPARISON OF CONTRACT COST TO HYPOTHETICAL SPOT COST	SCHEDULE J-2
15. PRE-PURCHASES AND DELIVERY SCHEDULE	SCHEDULE J-3
<u>APPENDIXES:</u>	
16. MONT BELVIEU PROPANE FUTURES PRICES	APPENDIX 1
17. ENTERPRISE TE PRODUCTS PIPELINE FERC TARIFF - EFF. 05/01/13	APPENDIX 2A
18. PIPELINE TARIFF RATE PER GALLON	APPENDIX 2B
19. TRUCKING FUEL SURCHARGE NOTIFICATION	APPENDIX 3A
20. TRUCKING FUEL SURCHARGE RATE PER GALLON	APPENDIX 3B
21. DEFERRED REVENUE SURCHARGE - MAY 1, 2014	APPENDIX 4

New Hampshire Gas Corporation

Calculation of the Cost of Gas Rate

Period Covered: Summer Period May 1, 2014 through October 31, 2014

Projected Gas Sales - therms 340,323

Total Anticipated Cost of Propane Sendout \$552,856

Add: Prior Period Deficiency Uncollected \$0
Interest \$0Deduct: Prior Period Excess Collected (\$982)
Interest (\$894)

Prior Period Adjustments and Interest (\$1,876)

Total Anticipated Cost \$550,980

Cost of Gas Rate - Beginning Period (per therm) \$1.6190

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 (per therm) \$2.0238

Issued: April __, 2014

Effective: May 1, 2014

Issued By: _____

Michael D. Eastman
Treasurer

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

New Hampshire Gas Corporation

Calculation of the Cost of Gas Rate

Period Covered: ~~Summer Period May 1, 2013 through October 31, 2013~~
Summer Period May 1, 2014 through October 31, 2014

Projected Gas Sales - therms	313,968	340,323
Total Anticipated Cost of Propane Sendout	\$472,652	\$552,856
Add: Prior Period Deficiency Uncollected Interest	\$0 \$0	\$0 \$0
Deduct: Prior Period Excess Collected Interest	(\$4,314) (\$787)	(\$982) (\$894)
Prior Period Adjustments and Interest	(\$5,101)	(\$1,876)
Total Anticipated Cost	\$467,551	\$550,980
Cost of Gas Rate - Beginning Period (per therm)	\$1.4892	<u>\$1.6190</u>
Mid Period Adjustment - July 1, 2013	(\$0.2349)	
Mid Period Adjustment - August 1, 2013	\$0.1514	
Mid Period Adjustment - September 1, 2013	\$0.2597	
Mid Period Adjustment - October 1, 2013	(\$0.1290)	
Revised Cost of Gas Rate - Effective September 1, 2013 (per therm)	<u>\$1.5364</u>	
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 (per therm)	<u>\$1.8615</u>	<u>\$2.0238</u>

Issued: ~~August 27, 2012~~ April __, 2014Effective: ~~September 1, 2012~~ May 1, 2014

Issued By: _____
Michael D. Eastman
Treasurer

In Compliance with DG 12-071, Order No. 25,353

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

NEW HAMPSHIRE GAS CORPORATION
 CONVERSION OF GAS COSTS - GALLONS TO THERMS
 SUMMER PERIOD 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	381,551	349,127	\$1.4490	\$1.5835

NEW HAMPSHIRE GAS CORPORATION

CALCULATION OF COST OF GAS RATE
SUPPLY / DEMAND BALANCE
SUMMER PERIOD 2014

	PRIOR	MAY-14	JUN-14	JUL-14	AUG-14	SEP-14	OCT-14	TOTAL
<u>SENDOUT (THERMS)</u>								
1 FIRM SENDOUT *		61,819	49,656	41,422	46,882	50,718	84,063	334,560
2 COMPANY USE		2,641	2,223	2,027	2,267	2,437	2,972	14,567
3 TOTAL SENDOUT		64,460	51,879	43,449	49,149	53,155	87,035	349,127
4 * UNACCTED FOR VOLS INCLUDED		997	801	668	756	818	1,356	5,398
<u>COSTS</u>								
5 PROPANE SENDOUT FROM ABOVE		64,460	51,879	43,449	49,149	53,155	87,035	349,127
6 COST/THERM FROM SCHEDULE D		\$1.6042	\$1.5834	\$1.5755	\$1.5729	\$1.5771	\$1.5822	\$1.5835
7 TOTAL PROPANE COSTS		\$103,407	\$82,147	\$68,453	\$77,307	\$83,833	\$137,709	\$552,856
<u>REVENUES</u>								
8 FIRM SALES (THERMS)		98,466	60,340	41,617	42,347	48,108	49,445	340,323
9 RATE/THERM PER TARIFF		\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190
10 TOTAL REVENUES		\$159,416	\$97,690	\$67,378	\$68,559	\$77,886	\$80,051	\$550,980
11 (OVER)/UNDER COLLECTION		(\$56,009)	(\$15,543)	\$1,075	\$8,748	\$5,947	\$57,658	\$1,876
12 INTEREST FROM SCHEDULE F		(\$79)	(\$176)	(\$196)	(\$183)	(\$164)	(\$78)	(\$876)
13 FINAL (OVER)/UNDER COLLECTION	(\$1,000)	(\$56,088)	(\$15,719)	\$879	\$8,565	\$5,783	\$57,580	\$0

NEW HAMPSHIRE GAS CORPORATION
 PROPANE SPOT MARKET PURCHASE COST ANALYSIS
 SUMMER PERIOD 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	MAY	1.0625	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3598	+	0.0771	=	1.4369	=	1.5703
2	JUN	1.0588	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3561	+	0.0771	=	1.4332	=	1.5662
3	JUL	1.0600	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3573	+	0.0771	=	1.4344	=	1.5676
4	AUG	1.0631	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3604	+	0.0771	=	1.4375	=	1.5710
5	SEP	1.0706	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3679	+	0.0771	=	1.4450	=	1.5792
6	OCT	1.0763	+	0.0100	+	0.2033	+	0.0040	+	0.0800	=	1.3736	+	0.0771	=	1.4507	=	1.5854

1. Propane futures market quotations (cmegroup.com) on 03/11/14 close. See Appendix 1.

2. Enterprise TE Products Pipeline Co., FERC tariff 54.27.0, rates effective 05/01/13. 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
SUMMER PERIOD 2014

LINE NO.

				<u>Rate</u>	
		<u>Therms</u>	<u>Cost</u>	<u>Therm</u>	<u>Gal.</u>
1	February 2014 (Actual)				
2	Beginning Balance	52,024	\$108,260	\$2.0810	\$1.9041
3	Purchases Received	214,123	\$423,970	\$1.9800	\$1.8118
4	Total Available	266,147	\$532,231	\$1.9998	\$1.8298
5	Less Sendout	231,575	\$463,095	\$1.9998	\$1.8298
6	Ending Balance	34,572	\$69,136	\$1.9998	\$1.8298
7	March 2014 (Estimated)				
8	Beginning Balance	34,572	\$69,136	\$1.9998	\$1.8298
9	Purchases Received	184,375	\$352,171	\$1.9101	\$1.7478
10	Total Available	218,947	\$421,307	\$1.9242	\$1.7607
11	Less Sendout	178,950	\$344,343	\$1.9242	\$1.7607
12	Ending Balance	39,997	\$76,964	\$1.9242	\$1.7607
13	April 2014 (Estimated)				
14	Beginning Balance	39,997	\$76,964	\$1.9242	\$1.7607
15	Purchases Received	111,462	\$174,168	\$1.5626	\$1.4298
16	Total Available	151,459	\$251,132	\$1.6581	\$1.5172
17	Less Sendout	110,612	\$183,404	\$1.6581	\$1.5172
18	Ending Balance	40,847	\$67,728	\$1.6581	\$1.5172
19	May 2014 (Forecasted)				
20	Beginning Balance	40,847	\$67,728	\$1.6581	\$1.5172
21	Purchases Received	65,000	\$102,073	\$1.5703	\$1.4369
22	Total Available	105,847	\$169,801	\$1.6042	\$1.4679
23	Less Sendout	64,460	\$103,407	\$1.6042	\$1.4679
24	Ending Balance	41,387	\$66,394	\$1.6042	\$1.4679
25	June 2014 (Forecasted)				
26	Beginning Balance	41,387	\$66,394	\$1.6042	\$1.4679
27	Purchases Received	50,000	\$78,312	\$1.5662	\$1.4332
28	Total Available	91,387	\$144,706	\$1.5834	\$1.4489
29	Less Sendout	51,879	\$82,147	\$1.5834	\$1.4489
30	Ending Balance	39,508	\$62,559	\$1.5834	\$1.4489
31	July 2014 (Forecasted)				
32	Beginning Balance	39,508	\$62,559	\$1.5834	\$1.4489
33	Purchases Received	40,000	\$62,705	\$1.5676	\$1.4344
34	Total Available	79,508	\$125,264	\$1.5755	\$1.4416
35	Less Sendout	43,449	\$68,453	\$1.5755	\$1.4416
36	Ending Balance	36,059	\$56,811	\$1.5755	\$1.4416
37	August 2014 (Forecasted)				
38	Beginning Balance	36,059	\$56,811	\$1.5755	\$1.4416
39	Purchases Received	50,000	\$78,552	\$1.5710	\$1.4375
40	Total Available	86,059	\$135,363	\$1.5729	\$1.4392
41	Less Sendout	49,149	\$77,307	\$1.5729	\$1.4392
42	Ending Balance	36,910	\$58,056	\$1.5729	\$1.4392
43	September 2014 (Forecasted)				
44	Beginning Balance	36,910	\$58,056	\$1.5729	\$1.4392
45	Purchases Received	75,000	\$118,442	\$1.5792	\$1.4450
46	Total Available	111,910	\$176,498	\$1.5771	\$1.4431
47	Less Sendout	53,155	\$83,833	\$1.5771	\$1.4431
48	Ending Balance	58,755	\$92,665	\$1.5771	\$1.4431
49	October 2014 (Forecasted)				
50	Beginning Balance	58,755	\$92,665	\$1.5771	\$1.4431
51	Purchases Received	95,000	\$150,611	\$1.5854	\$1.4507
52	Total Available	153,755	\$243,276	\$1.5822	\$1.4478
53	Less Sendout	87,035	\$137,709	\$1.5822	\$1.4478
54	Ending Balance	66,720	\$105,567	\$1.5822	\$1.4478
55	AVERAGE SUMMER RATE - SENDOUT			\$1.5835	349,127 \$552,856

NEW HAMPSHIRE GAS CORPORATION
PRIOR PERIOD (OVER)/UNDER COLLECTION
SUMMER PERIOD 2013

	<u>PRIOR</u>	<u>MAY-13</u>	<u>JUN-13</u>	<u>JUL-13</u>	<u>AUG-13</u>	<u>SEP-13</u>	<u>OCT-13</u>	<u>TOTAL</u>
<u>COSTS</u>								
1 FIRM SENDOUT (therms)		59,650	48,185	40,754	46,126	50,696	81,122	326,533
2 COMPANY USE (therms)		2,641	2,223	2,027	2,267	2,437	2,972	14,567
3 TOTAL SENDOUT (therms)		62,291	50,408	42,781	48,393	53,133	84,094	341,100
4 COST PER THERM		\$1.4460	\$1.3932	\$1.3644	\$1.4720	\$1.5388	\$1.6061	\$1.4856
5 TOTAL PROPANE COSTS		\$90,072	\$70,230	\$58,371	\$71,236	\$81,764	\$135,061	\$506,734
<u>REVENUES</u>								
6 FIRM SALES (therms)		97,954	59,307	41,583	42,347	48,108	49,747	339,046
7 RATE PER THERM		\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.5364	\$1.4819
8 TOTAL REVENUES		\$145,873	\$88,320	\$52,157	\$59,527	\$80,118	\$76,432	\$502,426
<hr/>								
9 (OVER)/UNDER COLLECTION		(\$55,800)	(\$18,090)	\$6,213	\$11,709	\$1,646	\$58,629	\$4,308
10 INTEREST AMOUNT		(\$87)	(\$188)	(\$204)	(\$181)	(\$163)	(\$82)	(\$905)
11 TOTAL (OVER)/UNDER COLLECTION	(\$4,385)	(\$55,888)	(\$18,278)	\$6,009	\$11,529	\$1,483	\$58,547	(\$982)

NEW HAMPSHIRE GAS CORPORATION

INTEREST CALCULATION
SUMMER PERIOD 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	NOV 2013	(\$982)	\$0	\$0	(\$982)	(\$982)	3.25%	(\$3)	(\$985)
2	DEC	(985)	0	0	(985)	(985)	3.25%	(3)	(988)
3	JAN 2014	(988)	0	0	(988)	(988)	3.25%	(3)	(991)
4	FEB	(991)	0	0	(991)	(991)	3.25%	(3)	(994)
5	MAR	(994)	0	0	(994)	(994)	3.25%	(3)	(997)
6	APR	(997)	0	0	(997)	(997)	3.25%	(3)	(1,000)
7	MAY	(1,000)	(56,009)	0	(57,009)	(29,005)	3.25%	(79)	(57,088)
8	JUN	(57,088)	(15,543)	0	(72,631)	(64,860)	3.25%	(176)	(72,807)
9	JUL	(72,807)	1,075	0	(71,732)	(72,270)	3.25%	(196)	(71,928)
10	AUG	(71,928)	8,748	0	(63,180)	(67,554)	3.25%	(183)	(63,363)
11	SEP	(63,363)	5,947	0	(57,416)	(60,390)	3.25%	(164)	(57,580)
12	OCT	(57,580)	57,658	0	78	(28,751)	3.25%	(78)	0
13									
14								<u>(\$894)</u>	

15 PRIOR PERIOD BEG. BALANCE w/INTEREST @ MAY 1, 2014 =

16 PRIOR PERIOD BEG. BAL. @ NOV 1, 2013 + INTEREST AMOUNT FOR NOV 2013 - APR 2014:

17 = COL. 1, LINE 1 + COL. 7, LINES 1 TO 6

18 = (982) + (18) = (1,000) @ MAY 1, 2014
(TRANSFER TO SCHEDULE B, LINE 13)

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)
May-13	62,291	45,587	16,704	271	290	(19)	61.64	1,171	17,875	63,462	2,641	997	61,819
Jun-13	50,408	45,587	4,822	72	82	(10)	66.97	670	5,491	51,078	2,223	801	49,656
Jul-13	42,781	45,587	0	2	15	(13)	0.00	0	0	42,781	2,027	668	41,422
Aug-13	48,393	45,587	0	28	29	(1)	0.00	0	0	48,393	2,267	756	46,882
Sep-13	53,133	45,587	7,547	199	178	21	37.92	(796)	6,750	52,337	2,437	818	50,718
Oct-13	84,094	45,587	38,507	486	506	(20)	79.23	1,585	40,092	85,679	2,972	1,356	84,063
Total	341,100	273,521	67,580	1,058	1,100	(42)		2,629	70,209	343,729	14,567	5,398	334,560

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) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
May-13	789	20,728	7,296	13,433	530	536	(6)	25.34	152	13,585	20,880
Jun-13	753	11,244	7,296	3,949	241	259	(18)	16.38	295	4,243	11,539
Jul-13	742	7,505	7,296	210	61	71	(10)	3.43	34	244	7,539
Aug-13	745	6,949	7,296	0	6	17	(11)	0.00	0	0	6,949
Sep-13	751	7,642	7,296	0	59	56	3	0.00	0	0	7,642
Oct-13	748	8,728	7,296	1,433	243	228	15	5.90	(88)	1,344	8,640
Total		62,796	43,773	19,023	1,140	1,167	(27)	14.55	393	19,416	63,189

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) - (2)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
May-13	429	77,226	37,932	39,294	545	550	(5)	72.10	360	39,654	77,586
Jun-13	425	48,063	37,932	10,131	247	265	(18)	41.02	738	10,869	48,801
Jul-13	426	34,078	37,932	0	64	74	(10)	0.00	0	0	34,078
Aug-13	422	35,398	37,932	0	5	17	(12)	0.00	0	0	35,398
Sep-13	419	40,466	37,932	0	52	50	2	0.00	0	0	40,466
Oct-13	421	41,019	37,932	3,087	231	215	16	13.36	(214)	2,873	40,805
Total		276,250	227,592	52,512	1,144	1,171	(27)	32.78	885	53,397	277,134

Summary - Total Summer Season Billed Sales

	Actual 2013	Normalized
May	97,954	98,466
June	59,307	60,340
July	41,583	41,617
August	42,347	42,347
September	48,108	48,108
October	49,747	49,445
Total	339,046	340,323

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

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	Winter Nov-Apr	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer May-Oct	Total Nov-Oct
12 MONTHS ENDED 10/2013															
Typical Usage - therms (1)	37	82	106	123	102	88	538	44	21	13	11	11	15	115	653
Residential Heating															
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
Delivery Charge:															
First 80 therms @ \$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
Next 120 therms @ \$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
Over 200 therms @ \$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
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
Deferred Revenue Surcharge Rate	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		
Deferred Revenue Surcharge Total	\$2.65	\$5.87	\$7.59	\$8.81	\$7.30	\$6.30	\$38.52	\$3.15	\$1.50	\$0.93	\$0.79	\$0.79	\$1.07	\$8.23	\$46.75
COG Rates	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.5217	\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.5364	\$1.4777	
Cost of Gas Total	\$56.30	\$124.78	\$161.30	\$187.17	\$155.21	\$133.91	\$818.67	\$65.52	\$31.27	\$16.31	\$15.46	\$18.32	\$23.05	\$169.93	\$988.60
Total Bill	\$111	\$234	\$295	\$338	\$284	\$249	\$1,510	\$128	\$66	\$41	\$38	\$41	\$50	\$365	\$1,875
12 MONTHS ENDED 10/2014															
Typical Usage - therms (1)	37	82	106	123	102	88	538	44	21	13	11	11	15	115	653
Residential Heating															
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
Delivery Charge:															
First 80 therms @ \$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
Next 120 therms @ \$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
Over 200 therms @ \$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
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
Seasonal Base Delivery Difference from previous year							\$0.00							\$0.00	\$0.00
Seasonal Percent Change from previous year							0.0%							0.0%	0.0%
Deferred Revenue Surcharge Rate	\$0.0617	\$0.0617	\$0.0617	\$0.0617	\$0.0617	\$0.0617		\$0.0453	\$0.0453	\$0.0453	\$0.0453	\$0.0453	\$0.0453		
Deferred Revenue Surcharge Total	\$2.28	\$5.06	\$6.54	\$7.59	\$6.29	\$5.43	\$33.19	\$1.99	\$0.95	\$0.59	\$0.50	\$0.50	\$0.68	\$5.21	\$38.40
COG Rates	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6985	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6191	
Cost of Gas Total	\$62.84	\$139.28	\$180.04	\$208.92	\$173.25	\$149.47	\$913.80	\$71.24	\$34.00	\$21.05	\$17.81	\$17.81	\$24.29	\$186.20	\$1,100.00
Seasonal COG Difference from previous year							\$95.13							\$16.27	\$111.40
Seasonal Percent Change from previous year							11.6%							9.6%	11.3%
Total Bill	\$117	\$247	\$312	\$358	\$301	\$264	\$1,600	\$133	\$68	\$46	\$40	\$40	\$51	\$378	\$1,978
Seasonal Total Bill Difference from previous year							\$89.80							\$13.25	\$103.05
Seasonal Percent Change from previous year							5.9%							3.6%	5.5%
Seasonal Percent Change resulting from Base Rates (inc. Def. Revenue Surch.)							-0.4%							-0.8%	-0.4%
Seasonal Percent Change resulting from COG							6.3%							4.5%	5.9%

(1) Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.

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

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	Winter Nov-Apr	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer May-Oct	Total Nov-Oct
12 MONTHS ENDED 10/2013															
Typical Usage - therms (1)	37	82	106	123	102	88	538	44	21	13	11	11	15	115	653
Residential Heating															
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
Delivery Charge:															
First 80 therms @ \$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
Next 120 therms @ \$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
Over 200 therms @ \$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
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
Deferred Revenue Surcharge Rate	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716	\$0.0716		
Deferred Revenue Surcharge Total	\$2.65	\$5.87	\$7.59	\$8.81	\$7.30	\$6.30	\$38.52	\$3.15	\$1.50	\$0.93	\$0.79	\$0.79	\$1.07	\$8.23	\$46.75
COG Rates	\$1.5017	\$1.5017	\$1.4474	\$1.4474	\$1.5630	\$1.5630	\$1.5002	\$1.4892	\$1.4892	\$1.2543	\$1.4057	\$1.6654	\$1.5364	\$1.4777	
Cost of Gas Total	\$55.56	\$123.14	\$153.42	\$178.03	\$159.43	\$137.54	\$807.12	\$65.52	\$31.27	\$16.31	\$15.46	\$18.32	\$23.05	\$169.93	\$977.05
Total Bill	\$110	\$232	\$287	\$329	\$289	\$253	\$1,499	\$128	\$66	\$41	\$38	\$41	\$50	\$365	\$1,863
12 MONTHS ENDED 10/2014															
Typical Usage - therms (1)	37	82	106	123	102	88	538	44	21	13	11	11	15	115	653
Residential Heating															
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
Delivery Charge:															
First 80 therms @ \$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
Next 120 therms @ \$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
Over 200 therms @ \$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
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
Seasonal Base Delivery Difference from previous year							\$0.00							\$0.00	\$0.00
Seasonal Percent Change from previous year							0.0%							0.0%	0.0%
Deferred Revenue Surcharge Rate	\$0.0617	\$0.0617	\$0.0617	\$0.0617	\$0.0617	\$0.0617		\$0.0453	\$0.0453	\$0.0453	\$0.0453	\$0.0453	\$0.0453		
Deferred Revenue Surcharge Total	\$2.28	\$5.06	\$6.54	\$7.59	\$6.29	\$5.43	\$33.19	\$1.99	\$0.95	\$0.59	\$0.50	\$0.50	\$0.68	\$5.21	\$38.40
COG Rates	\$1.6785	\$1.7253	\$1.8466	\$2.0981	\$2.5355	\$2.5355	\$2.1173	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6190	\$1.6191	
Cost of Gas Total	\$62.10	\$141.47	\$195.74	\$258.07	\$258.62	\$223.12	\$1,139.12	\$71.24	\$34.00	\$21.05	\$17.81	\$17.81	\$24.29	\$186.20	\$1,325.32
Seasonal COG Difference from previous year							\$332.00							\$16.27	\$348.27
Seasonal Percent Change from previous year							41.1%							9.6%	35.6%
Total Bill	\$116	\$250	\$328	\$407	\$387	\$337	\$1,825	\$133	\$68	\$46	\$40	\$40	\$51	\$378	\$2,203
Seasonal Total Bill Difference from previous year							\$326.67							\$13.25	\$339.92
Seasonal Percent Change from previous year							21.8%							3.6%	18.2%
Seasonal Percent Change resulting from Base Rates (inc. Def. Revenue Surch.)							-0.4%							-0.8%	-0.4%
Seasonal Percent Change resulting from COG							22.2%							4.5%	18.7%

(1) Residential Heating Typical Usage: Single family detached home using gas for heat, hot water and cooking.

NEW HAMPSHIRE GAS CORPORATION
 BID PREMIUM FOR PRE-PURCHASED GALLONS - PRIOR YEAR

	Mt. Belvieu Price		Pipeline Rate		Broker Fee		PERC		Trucking		NHGC Price	Contract Volumes	NHGC Cost	Plan Price	Contract Volumes	Plan Cost	Cost Premium	Per Gallon Premium
April '13	\$0.9596	+	\$0.2284	+	\$0.0100	+	\$0.0040	+	\$0.0762	=	\$1.2782	140,000	\$178,948	\$1.2871	140,000	\$180,194	\$1,246	\$0.0089
May '13	\$0.9671	+	\$0.2284	+	\$0.0100	+	\$0.0040	+	\$0.0762	=	\$1.2857	105,000	\$134,999	\$1.2946	105,000	\$135,933	\$935	\$0.0089
June '13	\$0.9763	+	\$0.2284	+	\$0.0100	+	\$0.0040	+	\$0.0762	=	\$1.2949	105,000	\$135,965	\$1.3038	105,000	\$136,899	\$935	\$0.0089
July '13	\$0.9704	+	\$0.2284	+	\$0.0100	+	\$0.0040	+	\$0.0762	=	\$1.2890	140,000	\$180,460	\$1.2979	140,000	\$181,706	\$1,246	\$0.0089
August '13	\$0.9504	+	\$0.2284	+	\$0.0100	+	\$0.0040	+	\$0.0762	=	\$1.2690	105,000	\$133,245	\$1.2779	105,000	\$134,180	\$935	\$0.0089
September '13	\$0.9313	+	\$0.2284	+	\$0.0100	+	\$0.0040	+	\$0.0762	=	\$1.2499	105,000	\$131,240	\$1.2588	105,000	\$132,174	\$935	\$0.0089
Total												700,000	\$894,856		700,000	\$901,086	\$6,230	\$0.0089

NEW HAMPSHIRE GAS CORPORATION

COMPARISON OF CONTRACT COST TO HYPOTHETICAL SPOT COST
WINTER SEASON 2013-2014 TO DATE

Delivery Month	Contract Price (1)	Contract Volumes (2)	Contract Cost (3)	Average Spot Price (4)	Contract Volumes (5)	Hypothetical Spot Cost (6)	Incremental Cost / (Savings) of Plan (7)
			(1) x (2)			(4) x (5)	(3) - (6)
Nov-13	\$1.3335	90,000	\$120,015	\$1.6531	90,000	\$148,776	(\$28,761)
Dec-13	\$1.3335	140,000	\$186,690	\$2.1925	140,000	\$306,950	(\$120,260)
Jan-14	\$1.3335	160,000	\$213,359	\$2.6911	160,000	\$430,582	(\$217,223)
Feb-14	\$1.3335	140,000	\$186,690	\$2.3958	140,000	\$335,416	(\$148,726)
Total			\$706,754			\$1,221,724	(\$514,970)

-42.2%

NEW HAMPSHIRE GAS CORPORATION

PROPANE PURCHASING STABILIZATION PLAN
PRE-PURCHASES AND DELIVERY SCHEDULE - PER RFP ISSUED 03/04/14

Delivery Month	Pre-Purchases (Gallons)						
	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Total
Nov-14	19,000	14,250	14,250	19,000	14,250	14,250	95,000
Dec-14	29,000	21,750	21,750	29,000	21,750	21,750	145,000
Jan-15	34,000	25,500	25,500	34,000	25,500	25,500	170,000
Feb-15	28,000	21,000	21,000	28,000	21,000	21,000	140,000
Mar-15	22,000	16,500	16,500	22,000	16,500	16,500	110,000
Apr-15	13,000	9,750	9,750	13,000	9,750	9,750	65,000
Total	145,000	108,750	108,750	145,000	108,750	108,750	725,000
Monthly %	20.0%	15.0%	15.0%	20.0%	15.0%	15.0%	

The total volume of pre-purchases proposed in the RFP have been increased by 25,000 gallons (4%) from the prior year.
The monthly allocation percentage for the pre-purchases is unchanged.

MONT BELVIEU PROPANE FUTURES - 03/11/14 CLOSE



Mont Belvieu LDH Propane (OPIS) Futures Settlements

Quotes

Settlements

Volume

Time & Sales

Contract Specs

Futures

Options

Trade Date:

Tuesday, 11 Mar 2014 (Final)

Month	Open	High	Low	Last	Change	Settle
MAR 14	-	-	-	-	+0.00503	1.08872
APR 14	-	-	-	-	UNCH	1.06750
MAY 14	-	-	-	-	UNCH	1.06125
JUN 14	-	-	-	-	UNCH	1.05875
JLY 14	-	-	-	-	UNCH	1.06000
AUG 14	-	-	-	-	UNCH	1.06313
SEP 14	-	-	-	-	UNCH	1.07063
OCT 14	-	-	-	-	UNCH	1.07625

ENTERPRISE TE PRODUCTS PIPELINE FERC TARIFF 54.27.0 - RATES EFFECTIVE 05/01/13

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

Rates Effective May 1, 2013
FERC 54.27.0

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)	<i>See page 11 of 15</i>	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)	<i>See page 5 of 15</i>	30.0	42	0.0071

From: Maisie Gilman [mailto:m.gilman@northerngastransport.com]
Sent: Tuesday, March 11, 2014 08:26 AM
Subject: Fuel Surcharge email

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

March 11, 2014

To: All Customers

Re: Fuel Surcharge

As of Monday, March 10th, the Department of Energy New England average price per gallon of diesel fuel was \$4.362. All deliveries invoiced from Sunday, March 16th, 2014 through Saturday, March 22nd, 2014 will be line item assessed at 34.0% 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

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	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

Revenue Recovery - Nov 2012 - Apr 14	Sales	Surcharge (Note 2)	Revenue
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	48,108	\$0.0716	\$3,445
Oct 2013	49,747	\$0.0716	\$3,562
Nov 2013	88,776	\$0.0617	\$5,477
Dec 2013	157,046	\$0.0617	\$9,690
Jan 2014	234,960	\$0.0617	\$14,497
Feb 2014	254,561	\$0.0617	\$15,706
Mar 2014 (Fcst.)	196,739	\$0.0617	\$12,139
Apr 2014 (Fcst.)	163,290	\$0.0617	\$10,075
Revenue Recovery - months 1-18	2,430,457		\$163,177

Revenue to be Recovered - months 19-24 \$15,409

Sales Forecast - May 2014 - Oct 2014 340,323

Deferred Revenue Surcharge - May 2014 thru Oct 2014 \$0.0453

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). The rate was reset on November 1, 2013 to reflect sales variances from forecast.