Dewey & LeBoeuf

Dewey & LeBoeuf LLP 260 Franklin Street Boston, MA 02110-3173

tel +1 617 748 6847 fax +1 617 897 9047 mpurcell@dl.com

ORIGINAL

N.H.P.U.G. Case No. DG 10- Z49

Exhibit No. # 4

Witness Panel 1

DO NOT FERSONE FROM FILE October 12, 2010

BY HAND AND ELECTRONIC MAIL

Debra A. Howland Executive Director and Secretary New Hampshire Public Utilities Commission 21 South Fruit Street, Suite 10 Concord, NH 03301

Re: New Hampshire Gas Corporation: Cost of Gas -- Winter 2010-2011: DG: 10-249

Dear Ms. Howland:

Enclosed on behalf of New Hampshire Gas Corporation ("NHGC"), in the above-captioned proceeding, please find an original and seven (7) copies of NHGC's updated Cost of Gas filing for the Winter 2010-2011 period. Also enclosed are an original and seven (7) copies of the Second Supplemental Testimony of Jennifer Boucher, as well as a CD with the filing.

Thank you for your attention to this matter.

Very truly yours,

Enc.

cc: Alexander F. Speidel, NHPUC Stephen P. Frink, NHPUC Robert J. Wyatt, NHPUC Amanda Noonan, NHPUC

bs 128812

DG 10-249

Second Supplemental Testimony of Jennifer Boucher

1	Q.	Please state your name, employer and business address.
2	A.	My name is Jennifer Boucher. I am employed by The Berkshire Gas Company
3		("Berkshire") and my business address is 115 Cheshire Rd., Pittsfield, MA 01201.
4		
5	Q.	What is your position?
6	A.	I am the Manager - Regulatory Economics for Berkshire.
7		
8	Q.	Have you previously submitted testimony in this proceeding?
9	A.	Yes. On September 15, 2010, I submitted testimony in support of New
10		Hampshire Gas Company's ("NHGC") Cost of Gas ("COG") rates for the winter
11		period, November 1, 2010 through April 30, 2011. Subsequently, on September
12		30, 2010, I submitted supplemental testimony to request that the Commission
13		allow the Company to suspend its Fixed Price Option ("FPO") Program for the
14		2010-2011 winter COG period as a result of an embargo at the Selkirk, NY
15		terminal of the Enterprise TE Products Pipeline Company LLC ("Enterprise TE").
16		
17	Q.	What is the purpose of your supplemental testimony today?
18	A.	The purpose of my second supplemental testimony is to explain the updated
19		calculation of a single COG rate for NHGC customers to be billed from
20		November 1, 2010 to April 30, 2011.
21		
22		UPDATED COST OF GAS ADJUSTMENT
23		
24	Q.	Please update the calculation of the COG Rate on the proposed 43rd revised
25		Tariff Page 24.
26	A.	The proposed 43rd revised Tariff Page 24 contains the updated calculation of a
27		single 2010 - 2011 winter COG rate and summarizes the Company's forecast of

1		propane sendo	ut and propane costs. The updated estimated total cost of the
2		forecasted prop	pane sendout from November 1, 2010 through April 30, 2011 is
3		\$1,663,142. T	he information presented on the tariff page is supported by
4		Attachments A	through E described in my initial testimony, as revised and
5		updated where	necessary in this Second Supplemental Testimony.
6			
7		To derive the T	Total Anticipated Period Costs, the following adjustments have
8		been made:	
9		1)	The prior period over-collection of (\$26,933) is added to the
10			forecasted propane costs. This calculation of the under-
11			collection is demonstrated on Attachment D. This attachment
12			has not changed from the initial filing
13			
14		2)	Interest of \$1,641 is added to the forecasted propane costs.
15			Attachment C has been updated to show the forecasted interest
16			calculation for the period May 2010 through April 2011. The
17			interest calculation is based on the Wall Street Journal's posted
18			prime rate.
19			
20		As explained in	my Supplemental Testimony filed on September 30, 2010,
21		NHGC is seeki	ng approval to suspend its FPO Program for the 2010-2011 winter
22		COG period as	a result of an embargo at the Selkirk, NY terminal. Accordingly,
23		the proposed si	ngle COG rate applicable to all customers is forecasted to be
24		\$1.6356 per the	erm, derived by taking the Total Anticipated Period Costs of
25		\$1,663,142 div	ided by the Total Projected Gas Sales in Therms for the period of
26		1,016,812.	
27			
28	Q.	Please describe	Attachment A, as revised.
29	A.	Attachment A co	nverts the produced gas costs to therms. The 1,067,818 therms
30		represent propane	e sendout as detailed on Attachment B and the \$1.5812 per therm
31		cost represents th	e average cost per therm for the winter season as detailed on line

72 of Attachment E.

2

1

Q. Please describe Attachment B, as revised.

Attachment B represents the combined (over)/under collection calculation for the A. 4 2010 - 2011 winter period based on the anticipated volumes, the cost of gas, and 5 any applicable interest charges. As shown on line 5, total sendout is the weather 6 normalized 2009-2010 winter period firm sendout and Company Use. Firm sales 7 volumes shown on line 22 are derived from the weather normalized 2009-2010 8 winter period firm sales. Line 16 has been revised to eliminate any FPO premium 9 revenues for the coming period due to the proposed suspension of the FPO program 10 for the upcoming winter. 11

12 13

Q. Are unaccounted-for gas volumes included in the filing?

A. As previously explained, unaccounted-for gas volumes are included in the firm send-out volumes on line 1 and are displayed on line 7 of Attachment B. As I stated in my initial testimony, the Company continues to experience improvements in system loss and is pleased to report that as of June 30, 2010, the 12 month-to-date unaccounted-for percentage was reduced to 1.66%. Compared to previous periods, this represents a significant reduction in unaccounted-for percentage level of 6.44% in the 2005-2006 timeframe.

21

22

Q. How is Attachment C represented in the COG calculation?

Attachment C represents the COG interest calculation through April 2011. As updated, the interest is calculated utilizing the prior period over-collection plus interest, and amounts to \$1,641.

26 27

Q. What are Attachments D and E?

Attachment D has not changed since the initial filing on September 15. Attachment D is the actual (over)/under collection balance for the prior period November 2009 through April 2010, including interest. The ending balance of (\$26,933) is included on line 1, column 1, of Attachment C. Attachment E is a projection of the

cost of propane in inventory through April 2011, and has been updated to reflect 1 2 changes since the initial filing. Attachment E is important as the cost of propane sold includes pre-purchased propane, spot market propane as well as propane 3 4 withdrawn from storage. 5 6 Q. Please describe the pre-purchased propane. As explained in my initial testimony, the Company has again implemented its 7 A. 8 Propane Purchasing Stabilization Plan (the "Plan") as approved in Order No. 9 24,617, in DG 06-037. Attachment B-2 (which is unchanged from the initial 10 filing) provides a synopsis of the prices and gallons of propane purchased with respect to the Plan. The weighted average price of the 700,000 gallons procured 11 12 under the Plan is \$1.3613 per gallon, or \$1.4877 per therm. This price can be 13 seen on line 5 of Attachment B-1, and includes commodity, PERC and 14 transportation costs. However, due to embargo at the Selkirk NY terminal, additional costs for trucking the pre-purchased volumes will be incurred from 15 16 Watkins Glen. The estimated incremental trucking and transportation costs are 17 shown on line 7 of Attachment B-1. 18 19 Q. How were spot market prices determined? 20 A. The spot market costs per gallon of propane shown on line 13 of revised 21 Attachment B-1 are the ClearPort propane futures settlement prices as of October 8, 2010, plus brokers', pipeline and transportation fees. For the months of 22 November and December, these costs are adjusted in anticipation of receiving the 23 24 volumes from the Watkins Glen, NY terminal, instead of the Selkirk, NY terminal. 25 26 27 Q. Explain the impact of pipeline or trucking fees on NHGC's costs of gas? 28 A. For November and December 2010, due to the embargo at Selkirk, NY, the 29 Company anticipates sourcing its propane from the Watkins Glen, NY terminal. The pipeline fee at Watkins Glen is \$0.093 per gallon, (compared to the 30

forecasted pipeline fee of \$0.1125 per gallon from Selkirk described in my initial

31

1		testimony). However, the trucking fee from Watkins Glen to Keene is estimated
2		to be an additional \$0.12 per gallon due to its location approximately 165 miles
3		away from Selkirk. Further, it is expected that there will be at least 6 hours of
4		additional detention time for trucks at Watkins Glen, which equates to \$0.04 per
5		gallon on top of these other charges. These cost estimates are included in revised
6		Attachment B-1, as well as revised Supplemental Schedule C.
7		
8	Q.	How were NHGC customers notified of the Company's request to suspend
9		the FPO program for the coming winter?
10	A.	A letter to customers was mailed by October 5, 2010 advising them of the
11		Company's request, the current propane situation and ways to contact the
12		Commission with comment.
13		
14	Q.	How will the winter 2010-2011 cost of gas rate affect the average New
15		Hampshire Gas Corporation customer who participated in the FPO program
16		last winter?
17	A.	If the FPO program is suspended for the upcoming winter, as requested, a single
18		winter 2010-2011 cost of gas rate of \$1.6356 will be billed to all NHGC
19		customers. Under the single rate, customers who participated in the FPO program
20		last winter will experience an increase of \$0.2954 per therm over the winter 2009-
21		2010 FPO cost of gas rate of \$1.3402. As demonstrated on Supplemental
22		Schedule A, to the average residential heat customer on the FPO rate last winter,
23		this would be a \$275.31 increase for the 2010-2011 winter COG period for the
24		gas cost component of their bill only, or a 22.0% increase. If the proposed
25		Monthly Customer Charge, per therm Delivery Rates and surcharge are factored
26		into the analysis, the average residential heat customer will see a \$261.32 increase
27		in their total costs for the 2010-2011 winter COG period, or a 11.6% increase.
28		
29	Q.	How will the winter 2010-2011 cost of gas rate affect the average New
30		Hampshire Gas Corporation customer who did not participate in the FPO
31		program last winter?

1	A.	The Winter 2010-2011 cost of gas rate of \$1.6356 per therm for customers who
2		did not participate in the FPO program last winter will result in an increase of
3		\$0.1456 per therm from the average winter 2009-2010 cost of gas rate of \$1.4900
4		per therm. As illustrated on Supplemental Schedule A-1, to the average
5		residential heat customer who did not choose the FPO rate last winter, this would
6		be a \$135.66 increase for the 2010-2011 winter COG period for the gas cost
7		component of their bill only, or a 9.8% increase. If the proposed Monthly
8		Customer Charge, per therm Delivery Rates and surcharge are factored into the
9		analysis, the customer will see a \$121.67 increase in their total costs for the 2010-
10		2011 winter COG period, or a 5.1% increase.
11		
12	Q.	What is the primary reason for these increases?
13	A.	The primary reason for these increases is higher market prices of propane versus
14		the winter 2009-2010 period, coupled with the Selkirk NY embargo.
15		
16	Q.	Please describe Supplemental Schedule E.
17	A.	Supplemental Schedule E has not changed from the initial filing. Although
18		NHGC is requesting approval to suspend the FPO for the upcoming winter, as
19		required, Supplemental Schedule E is a billing comparison between a typical FPO
20		customer and a non-FPO customer for the winter 2009-2010 period, showing that
21		a typical FPO customer's winter billing amounted to approximately (\$140) less
22		than a non-FPO customer's winter billing.
23		
24		MISCELLANEOUS
25		
26	Q.	Will the Company meet its 7-day onsite storage requirements pursuant to
27		PUC 506.03?
28	A.	Yes. As discussed in a letter submitted to the Commission on March 22, 2004,
29		the Company is meeting its 7-day onsite storage requirements through an
30		arrangement with Northern Gas Transport, Inc. and The Berkshire Gas Company.
31		The storage facilities provided by The Berkshire Gas Company are located in

1		Greenfield, Massachusetts. In addition, Berkshire and NHGC have reached an
2		agreement in principal to lease additional space at Berkshire's storage facility in
3		Pittsfield MA due to the uncertainty surrounding the Selkirk embargo situation.
4		
5	Q.	Are there any other changes to your initial testimony?
6	A.	No. As directed in Order No. 25,039, with its initial filing, NHGC submitted
7		revised tariffs to implement new delivery rates to increase revenues by an
8		additional \$57,747 beginning November 1, 2010. NHGC requests approval of the
9		revised tariffs as filed. As previously stated, the Company's rate case surcharge
10		will be completed on October 31, 2010, and reconciliation of approved expenses
11		and revenues related to the rate case surcharge will be filed prior to the 2011
12		Summer COG. Any remaining (over)/under-collection will be (credited) or
13		charged to the COG.
14		
15	Q.	Does the Company renew its request for a waiver of N.H. Code Admin. Rule
16		Puc 1203.05 which requires rate changes to be implemented on a service-
17		rendered basis?
18	A.	Yes. For the reasons stated in my initial testimony, the Company is requesting a
19		waiver of N.H. Code Admin. Rule Puc 1203.05.
20		
21	Q.	Does this conclude your second supplemental testimony?
22	A.	Yes, it does.
23		

COST OF GAS ADJUSTMENT

WINTER PERIOD 2010 - 2011

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SUPPLEMENTAL SCHEDULE SSF

ATTACHMENT E

SUPPLEMENTAL SCHEDULE SSG

43rd Revised Page 24 Superseding 42nd Revised Page 24

New Hampshire Gas Corporation

Line							
No.							
1			<u>Calcula</u>	tion of the Cost of Ga	s Rate		
2							
3	D = d = d O =						
4 5	Period Co	overed: Winter Period Nov.	1, 2010 through /	Apr. 30, 2011			
6	Projected	Gas Sales in Therms					4.040.040
7	i rojecteu	Oas Gales III Therms					1,016,812
8	Total Anti	cipated Cost		Cost/			
9	101017111	olpatoa oost	Therms	Therm			
10		Propane	1,067,818	\$1.581	2	=	\$1,688,434
11			1,007,000	ψ1.00 t	-		ψ1,000,104
12	Add:	Prior Period (Deficiency					
13		Uncollected)					
14		Interest					
15							
16							
17	Deduct:	Prior Period (Excess Colle	ected)			(\$26,933)	
18							
19		Interest				\$1,641	
20 21							
22		Prior Period Adjusted					(22 - 222)
23		rnoi renou Aujusteu					(\$25,292)
24	Total Anti	cipated Cost					\$1,663,142
25						=	Ψ1,000,142
26							
27		Cost of Gas	Rate			Per Therm	\$1.6356
28						1 01 11101111	<u> </u>
29							
30							
31			Ma	aximum Cost of Gas I	Rate	Per Therm _	\$2.0445
32						-	
33							
34	Issued:			Issued By:	Karen L. Zink		
35	Effective:			Title:	Treasurer		
36 37	In Compli	anno with DC 40 VVV Contr	ar NIa				
31	in Compile	ance with DG 10-XXX, Orde	NO.				

New Hampshire Gas Corporation

Line						
No.						
1			Calculation	of the Cost of Gas Rate		
3						
4 4	Period Co	overed: Winter Period Nov overed: Winter Period Nov	v. 1, 2009 (hrough Ap	r. 30, 2010		
5			. I, Loto though rep	. 00, 2011		
6 6	Projected	Gas Sales in Therms				948,562
7						1,016,812
8 9	I otal Anti	icipated Cost	Therms	Cost/ <u>Therm</u>		
10		Propane	-1,013,307	\$1.2386	=	\$1,255,082
10 11			1,067,818	\$1.5812		\$1,688,434
12	Add:	Prior Period (Deficiency				
13 14		Uncollected) Interest			\$38,839 \$2,378	
15					\$2,010	
16 17	Deduct:	Prior Period (Excess			(\$26,933)	
18		Collected)				
19 20		Interest			\$1,641	
21		B1B-1-14-F-1				
22 22		Prior Period Adjusted				\$41,217 (\$25,292)
23 24	Total Anti	cipated Cost			-	
24	I O(B) A((I)	cipated Cost				\$1,296,299 \$1,663,142
25 26				F 154		
27				FIXED-PRICE	Option Cost of Gas Rate Cost of Gas Rate	\$1.3402 \$1.6356
28 29				Projected Fixed Pri	e-Option Sales in Therms_	215,000
30				Forecasted Fixed Pri	ce-Option-Cost-Revenues	\$288,143
31 32				Total Period Ant	icipated Cost from Line 24	\$1,296,299
33 34			g	emaining Cost-to-be-Recove	=	\$1,008,156
35 36			•••			
37 38					les in Therms from Line 6	•
39 40			_		se Option Sales in Therms_	
41			14	rojected Non Fixed Price Or	tion Gas Sales in Therms	733,562
42 42			Non Fixed Price	Option Cost of Gas Rate (L	ine 35 divided by Line 41)	\$ 1.3743
43 44				Mid Dorind Adjustment	Effective terror 4 2040	00.4050
45				·	Effective January 1, 2010	\$0.1053
46 47				Mid-Period Adjustment I	Effective February 1, 2010	\$0.0307
48 49				Mid-Period-Adjustme	nt-Effective-March 1, 2010	\$0. 1271
50 51				Mid Period Adjustm	ent-Effective April 1, 2010	(\$0.1196)
52 53	+	Non-Fixed Price Option Co	st of Gas Rate (Line-	13 plus Line 45 plus Line 47	plus Line 49 plus line 51)	\$1.5178
54 55				Fixed Price Op	tion Cost of Gas Promium	\$0.0200
56			Fixed	Price Option Cost of Gas R	ate (Line 42 plus Line 54)	\$0.0200
57 58					_	
59						
60 61	Pursuant to the following	o tanti section 17(d), the C ng rate;	ompany may adjust t	he approved Non-Fixed Pri	ce COG rate on a monthly b	asis up to
62 63						
63			Maxir	num Cost of Gas Rate	Per Therm	\$1.7179 \$2.0445
64 65					=	
66	Issued ;			Issued By:		
67 68	Effective:			Karen L.		
69	In Complia	nce with DG 10-XXX, Orde	er No.	Treasure	1	
70						

ENTRIES 4,013,307 1,067,818 VOLUME IN THERMS 4,255,082 1,688,434 PROPANE COST 4948,562 1,016,812

Attachment A

NEW HAMPSHIRE GAS CORPORATION

CONVERSION OF PRODUCED GAS COSTS TO THERMS

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

CALCULATION OF COST OF GAS ADJUSTMENT

SUPPLY / DEMAND BALANCE ALL VOLUMES IN THERMS

Line No.			NOV 2010	000.0040	1001.0044	EED 0044	MAD 0044	A D.D. 0044	TOTAL
NO.			NOV 2010	DEC 2010	JAN 2011	FEB 2011	MAR 2011	APR 2011	TOTAL
	SENDOUT								
1 2	FIRM SENDOUT *		121,107	212,021	245,208	211,316	162,557	85,808	1,038,017
3	COMPANY USE		3,675	6,364	7,085	5,530	4,236	2,911	29,801
5 6	TOTAL SENDOUT		124,782	218,385	252,293	216,846	166,793	88,719	1,067,818
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 15	COST/THERM		\$1.6681	\$1.6913	\$1.5674	\$1.5336	\$1.5060	\$1.4849	
16 17	FPO PREMIUM		\$0	\$0	\$0	\$0	\$0	\$0	\$0
18 19	TOTAL PROPANE COSTS		\$208,149	\$369,355	\$395,445	\$332,556	\$251,191	\$131,739	\$1,688,434
20 21	REVENUES								
22 23	FIRM SALES		84,823	115,888	245,514	220,142	201,062	149,384	1,016,812
24 25	RATE/THERM AVERAGE		\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	\$1.6356	
26	TOTAL COG REVENUES		\$138,740	\$189,551	\$401,574	\$360,073	\$328,866	\$244,339	\$1,663,143
27 28 29	UNDER/(OVER) COLLECTION		\$69,409	\$179,804	(\$6,129)	(\$27,517)	(\$77,675)	(\$112,600)	\$25,291
30 31	INTEREST FROM ATTACHMENT C		\$20	\$357	\$594	\$550	\$409	\$152	\$2,082
32	FINAL UNDER/(OVER) COLLECTION	(\$27,374)	\$42,055	\$222,216	\$216,681	\$189,714	\$112,448	\$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	1,166,989	1
PROPANE STABILIZATION PLAN PRE-PURCHASES								2
GALLONS	85.000	130,000	190,000	140,000	100,000	55,000	700,000	4
PRICE	\$1,3613	\$1.3613	\$1.3613	\$1.3613	\$1,3613	\$1.3613	700,000	5
PERC	inc.	inc.	inc.	inc.	inc.	inc.		6
TRANSPORTATION (add'I from Watkins Glen plus wait time)	\$0.1600	\$0.1600	inc.	inc.	inc.	inc.		7
TOTAL COST (GALLONS)	\$129,311	\$197,769	\$258,647	\$190,582	\$136,130	\$74,872	\$987,311	8
								9
SPOT PURCHASES								10
GALLONS	51,371	108,667	85,724	96,985	82,283	41,959	466,989	11
								12
Mt. Belvieu (10/08/10)	\$1.2579	\$1.2604	\$1.2638	\$1.2354	\$1.1708	\$1.1101		13
Broker	\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100	\$0.0100		14
Террсо	\$0.0930	\$0.0930	\$0.1125	\$0.1125	\$0.1125	\$0.1125		15
Perc	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050	\$0.0050		16
Transportation	\$0.2300	\$0.2300	<u>\$0.0690</u>	<u>\$0.0690</u>	\$0.0690	\$0.0690		17
PRICE (GALLONS)	\$1.5959	\$1.5984	\$1.4603	\$1.4319	\$1.3673	\$1.3066	\$1.4713	18
COST (GALLONS)	\$81,983	\$173,693	\$125,183	\$138,873	\$112,506	\$54,824	\$687,062	19 20 21
TOTAL						·····		22
GALLONS	136,371	238,667	275,724	236,985	182,283	96,959	1,166,989	23
PRICE (GALLONS)	\$1.5494	\$1.5564	\$1.3921	\$1.3902	\$1.3640	\$1.3376	\$1.4348	24 25
COST (GALLONS)	\$211,294	\$371,462	\$383,830	\$329,455	\$248,636	\$129,696	\$1,674,373	26 27
TOTAL COSTS								28 29
COST	\$211,294	\$371,462	\$383,830	\$329,455	\$248,636	\$129,696	\$1,674,373	30
THERM DEMAND	124,782	218,385	252,293	216,846	166,793	88,719	1,067,818	31
MONTHLY COST PER THERM	\$1.6933	\$1,7009	\$1,5214	\$1.5193	\$1,4907	\$1,4619	\$1.5680	32
	1110000	11.7000	71.0214	Ţ1.0100	↓1. 4001	Ψ1.4010	¥1.0000	33

New Hampshire Gas Corporation 2010-2011 Winter Hedging Schedule

								Line
								<u>No.</u>
	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 A PR., 2011

LINE NO.	монтн	(1) BEG. OF MONTH BALANCE	(2) -OVER UNDER COLLECT	(3) REFUNDS	(4) END OF MONTH BALANCE COL.1+2+3	(5) AVERAGE BALANCE COL. 1+4/2	(6) ANNUAL INTEREST RATE	(7) INTEREST AMOUNT	(8) END MONTH BAL. WITH INTEREST COL. 4+7
1	MAY 2010	(\$26,933)			(\$26,933)	(\$26,933)	3,25	(\$73)	(\$27,006)
2	JUN	(\$27,006)			(\$27,006)	(\$27,006)	3.25	(\$73)	(\$27,079)
3	JUL	(\$27,079)			(\$27,079)	(\$27,079)	3.25	(\$73)	(\$27,152)
4	AUG	(\$27,152)			(\$27,152)	(\$27,152)	3.25	(\$74)	(\$27,226)
5	SEP	(\$27,226)			(\$27,226)	(\$27,226)	3.25	(\$74)	(\$27,300)
6	OCT	(\$27,300)			(\$27,300)	(\$27,300)	3.25	(\$74)	(\$27,374)
7	NOV	(\$27,374)	\$69,409	-	\$42,035	\$7,331	3.25	\$20	\$42,055
8	DEC	\$42,055	\$179,804	-	\$221,859	\$131,957	3.25	\$357	\$222,216
9	JAN 2011	\$222,216	(\$6,129)	-	\$216,087	\$219,152	3.25	\$594	\$216,681
10	FEB	\$216,681	(\$27,517)	-	\$189,164	\$202,923	3.25	\$550	\$189,714
11	MAR	\$189,714	(\$77,675)	-	\$112,039	\$150,877	3.25	\$409	\$112,448
12	APR	\$112,448	(\$112,600)	-	(\$152)	\$56,148	3.25	\$152	\$ 0
								\$1,641	=

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

= COL. 1, LINE 1

COL. 7, LINES 1 TO 12

= (\$26,933)

- \$1,641

= (\$25,292)

New Hampshire Gas Corporation

Attachment D Supports Line 1 Column 1 Attachment C

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

	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	
	PRIOR	NOV	DEC	<u>JAN</u>	<u>FEB</u>	MAR	<u>APR</u>	TOTALS
1 SALES FOR NON-FPO FOR FPO TOTAL THERMS		75,106 13,849 88,955	89,213 <u>18,593</u> 107,806	198,811 <u>43,219</u> 242,030	173,062 <u>35,846</u> 208,908	148,688 <u>31,061</u> 179,749	105,760 20,919 126,679	790,640 <u>163,487</u> 954,127
2 COG RATE PER TARIFF FOR NON-FPO		\$1.3743	\$1.3743	\$1.4796	\$1.5103	\$1.6374	\$1.5178	504,127
FOR FPO		\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	\$1.3402	
3 RECOVERED COSTS= SALES X COG RATE FOR NON-FPO FOR FPO TOTAL		\$103,218 <u>\$18,560</u> \$121,779	\$122,605 <u>\$24,918</u> \$147,522	\$294,161 <u>\$57,922</u> \$352,081	\$261,376 <u>\$48,041</u> \$309,417	\$243,462 <u>\$41,628</u> \$285,186	\$28,036	\$1,185,344 <u>\$219,105</u> \$1,404,542
4 USED BY UTILITY FOR MAKING GAS (THERMS)		3,675	6,364	7,085	5,530	4,236	2,911	29,801
HEATING DEGREE DAYS (CONCORD)		691	1229	1297	1005	786	481	5,489
5 TOTAL SENDOUT (THERMS)		112,038	222,014	237,491	193,085	139,205	78,527	982,360
6 COST PER THERM		\$1.2732	\$1.3568	\$1.3600	\$1.4093	\$1.3753	\$1.3485	
7 TOTAL COSTS		\$142,645	\$301,221	\$322,988	\$272,122	\$191,446	\$105,894	\$1,336,317
8 ACTUAL (OVER)/	**********************	***************************************		***************************************	***************************************		******************************	
UNDER COLLECTION		\$20,866	\$153,699	(\$29,092)	(\$37,295)	(\$93,740)	(\$82,664)	(\$68,226)
9 INTEREST AMOUNT		\$135	\$372	\$542	\$453	\$277	\$39	\$1,818
10 FINAL (OVER)/UNDER COLLECTION	\$39,475	\$60,476	\$214,547	\$185,996	\$149,155	\$55,692	(\$26,933)	

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

Reding Belance 28,388 \$41,170 \$1,4503 \$1,3270	NE IO.							
Sepinning Balance		September 2010 (Actual)	Therms	Cost	Therm	Gal.		
See Color		Beginning Balance	55,609	\$78,276	\$1.4076	\$1,2880		
Section Sect		Received during month	16,513	\$26,320	\$1.5939	\$1.4585		
Reding Belance 28,388 \$41,170 \$1,4503 \$1,3270		Total Available	72,122	\$104,596	\$1,4503	\$1.3270		
Raile	6	Less Vapor	43,734	\$63,426	\$1.4503	\$1.3270		
Seginning Balance		Ending Balance	28,388	\$41,170	\$1.4503	\$1.3270		
10 Cotober 2010 (Forecasted) Therms Cost Therm Gal					_			
11 Beginning Balance								
12 Beginning Balance		October 2010 (Forecasted)	<u>Thems</u>	Cost	<u>l herm</u>	Gal.		
13 Received during month		Designing Delega-	00.000	644.470	E4 4500	04 0070		
14 Total Available								
15 Less Vapor 67,274 \$142,257 \$1,6300 \$1,4915								
Beginning Balance								
November 2010 (Forecasted) Therms Cost Therm Gal Therms Cost Therm Cost Therm Gal Therms Cost Therm Gal Therms Cost Therm Cost Ther		•						
Rate		Entiring Datarios	00,114	01-10,007	Q1.0000	Q1.4010		
November 2010 (Forecasted) Thems Cost Therm Gal Therms Cost	18				Ra	ate		
Beginning Balance	19	November 2010 (Forecasted)	Therms	Cost			Therms	Cos
22 Received during month 130,000 \$220,126 \$1,6933 \$1,5494 24 Less Vapor 124,782 \$208,149 \$1,6881 \$1,5263 \$124,782 \$208, 16881 \$1,5263 \$124,782 \$208, 16881 \$1,5263 \$124,782 \$208, 16881 \$1,5263 \$124,782 \$208, 16881 \$1,5263 \$1,	20	,				_		
216_114 336_346 31.6881 31.5263 124,782 \$208, 149 \$1.6881 \$1.5263 \$1.5246 \$1.5263 \$1.5246 \$1.5263 \$1.5246 \$1.5263 \$1.5246 \$1			86,114	\$140,367	\$1.6300	\$1.4915		
24 Less Vapor 124,782 \$208,149 \$1,6681 \$1,5263 124,782 \$208, 2508,					\$1,6933	\$1.5494		
Second Belance			216,114	\$360,496	\$1.6681	\$1.5263		
Rate							124,782	\$208,
Rele		Ending Balance	91,332	\$152,347	\$1.6681	\$1.5263		
December 2010 (Forecasted) Therms Cost Therm Gal. Therms Cost Cost Therm Gal. Therms Cost Therms C								
Seginning Balance		D	Th	01				
Beginning Balance		December 2010 (Forecasted)	Inems	Cost	inerm	Gal.	<u>i nerms</u>	Cos
Received during month 220,000 \$374,198 \$1,7009 \$1,5664 \$310 \$311,332 \$526,545 \$31,6913 \$1,5476 \$31,		Reginaina Referen	01 222	C1E2 247	61 6601	64 6000		
Total Available								
Less Vapor 218,385 \$369,355 \$1,6913 \$1,5476 \$218,385 \$369, \$355 \$1,6913 \$1,5476 \$355 \$369, \$355 \$1,6913 \$1,5476 \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369, \$355 \$369,								
Ending Balance 92,947 \$157,190 \$1,6913 \$1,5476							218 385	\$369
35							2.0,000	0000,
Therms	35		,	********				
39 Beginning Balance 92,947 \$157,190 \$1.6913 \$1.5476 40 Received during month 250,000 \$380,350 \$1.5214 \$1.3921 41 Total Available 342,947 \$537,540 \$1.4342 252,293 \$395,445 42 Less Vapor 252,293 \$395,445 \$1.5674 \$1.4342 252,293 \$395,445 43 Ending Balance 90,654 \$142,095 \$1.5674 \$1.4342 252,293 \$395,445 44 February 2011 (Forecasted) Therms Cost Therm Gal. Therms Cos 48 Beginning Balance 90,654 \$142,095 \$1.5674 \$1.4342 \$1.446 \$1.446 \$1.446 \$1.446 \$1.446 \$1.442 \$1.446 \$1.442 \$1.5674 \$1.442 \$1.446 \$1.446 \$1.446 \$1.446 \$1.442 \$1.446 \$1.442 \$1.446 \$1.444 \$1.444 \$1.444 \$1.444 \$1.444 \$1.444	37	January 2011 (Forecasted)	Thems	Cost			Therms	Cos
40 Received during month		Danieries Balance	00.047	0457.400	04.0040	64 5 470		
Total Available 342,947 \$537,540 \$1.5674 \$1.4342 252,293 \$395,445 \$1.5674 \$1.4342 252,293 \$395,445 \$1.5674 \$1.4342 252,293 \$395,445 \$1.5674 \$1.4342 252,293 \$395,445 \$1.5674 \$1.4342 252,293 \$395,445 \$1.5674 \$1.4342 444 454								
42 Less Vapor 252,293 \$395,445 \$1.5674 \$1.4342 252,293 \$395,445								
## Ending Balance ## \$90,654 \$142,095 \$1.5674 \$1.4342 ## ## ## ## ## ## ## ## ## ## ## ## ##							252 203	\$305
Add							202,250	4030 ,
Rate Pebruary 2011 (Forecasted) Therms Cost Therm Gal. Therms Cost		Littling Dalatios	00,00 (V 1 12,000	Q1.0074	V1.4042		
February 2011 (Forecasted) Therms Cost Therm Gal. Therms Cost Therms					Ra	ate		
47 48 Beginning Balance 90,654 \$142,095 \$1.5674 \$1.4342 49 Received during month 215,000 \$326,650 \$1.5193 \$1.3902 50 Total Available 305,654 \$468,745 \$1.5336 \$1.4033 51 Less Vapor 216,846 \$332,556 \$1.5336 \$1.4033 216,846 \$332,556 51 Ending Balance 88,808 \$136,189 \$1.5335 \$1.4032 52 Ending Balance 88,808 \$136,189 \$1.5335 \$1.4032 53		February 2011 (Forecasted)	Thems	Cost			Therms	Cos
49 Received during month 215,000 \$326,650 \$1.5193 \$1.3902 \$1.003		- ,						
49 Received during month 215,000 \$326,650 \$1.5193 \$1.3902 \$1.003	48	Beginning Balance	90,654	\$142,095	\$1.5674	\$1,4342		
50 Total Available 305,654 \$468,745 \$1.5336 \$1.4033 51.4033 51. Less Vapor 216,846 \$332,565 \$1.5336 \$1.4032 52	49							
52 Ending Balance 88,808 \$136,169 \$1.5335 \$1.4032 53 54	50	Total Available				\$1,4033		
53 54 55 55 67 68 68 69 69 69 69 69 69 69 69 69 69 69 60 60 60 60 60 60 60 60 60 60 60 60 60				\$332,556		\$1.4033	216,846	\$332,
Name		Ending Balance	88,808	\$136,189	\$1.5335	\$1,4032		
55 March 2011 (Forecasted) Therms Cost Therm Gal. Therms Cost 56 Beginning Balance 88,808 \$136,189 \$1.5335 \$1.4032 57 Beginning Balance 88,808 \$136,189 \$1.5335 \$1.4032 58 Received during month 160,000 \$238,512 \$1.4907 \$1.3640 59 Total Available 248,808 \$374,701 \$1.5060 \$1.3780 30 Less Vapor 166,793 \$251,191 \$1.5060 \$1.3780 31 Ending Balance 82,015 \$123,510 \$1.5060 \$1.3780 32 Rate Rate 4 April 2011 (Forecasted) Therms Cost Therm Gal. Therms Cos 36 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 37 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 38 Total Available 157,015 \$233,153 \$								
566 Beginning Balance 88,808 \$136,189 \$1.5335 \$1.4032 58 Received during month 160,000 \$238,512 \$1.4907 \$1.3640 59 Total Available 248,808 \$374,701 \$1.5060 \$1.3780 50 Less Vapor 166,793 \$251,191 \$1.5060 \$1.3780 51 Ending Balance 82,015 \$123,510 \$1.5060 \$1.3780 64 April 2011 (Forecasted) Therms Cost Therm Gal. Therms Cos 56 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 \$1.5060 \$1.3780 <td></td> <td>H</td> <td>TL -</td> <td>0- 1</td> <td></td> <td></td> <td>271</td> <td>_</td>		H	TL -	0- 1			271	_
57 Beginning Balance 88,808 \$136,189 \$1.5335 \$1.4032 58 Received during month 160,000 \$238,512 \$1.4007 \$1.3640 57 Total Available 248,808 3374,701 \$1.5060 \$1.3780 60 Less Vapor 166,793 \$251,191 \$1.5060 \$1.3780 61 Ending Balance 82,015 \$123,510 \$1.5060 \$1.3780 64 April 2011 (Forecasted) Therms Cost Therm Gal. Therms Cos 65 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 69 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587		March 2011 (Forecasted)	<u>Thems</u>	Cost	Therm	Gal.	Therms	Cos
58 Received during month 160,000 \$238,512 \$1,4907 \$1,3640 59 Total Available 248,808 \$374,701 \$1,5060 \$1,3780 166,793 \$251,191 61 Ending Balance 82,015 \$123,510 \$1,5060 \$1,3780 166,793 \$251, 62 Ending Balance 82,015 \$123,510 \$1,5060 \$1,3780 \$1,5060 \$1,3780 \$1,5060 <td< td=""><td></td><td>Paginning Polaces</td><td>00 000</td><td>6496 400</td><td>64 5005</td><td>64 4000</td><td></td><td></td></td<>		Paginning Polaces	00 000	6496 400	64 5005	64 4000		
Total Available 248,808 \$374,701 \$1.5060 \$1.3780 60 Less Vapor 166,793 \$251,191 \$1.5060 \$1.3780 60 Less Vapor 82,015 \$123,510 \$1.5060 \$1.3780 60 Less Vapor 82,015 \$123,510 \$1.5060 \$1.3780 60								
Less Vapor 166,793 \$251,191 \$1.5060 \$1.3780 166,793 \$251,610 Ending Balance 82,015 \$123,510 \$1.5060 \$1.3780								
61 Ending Belance 82,015 \$123,510 \$1.5060 \$1.3780 62 Rate 64 April 2011 (Forecasted) Therms Cost Therm Gal. Therms Cos 65 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 69 Less Vapor 68,719 \$131,739 \$1.4849 \$1.3587 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587							166 702	\$9£4
62 Rate 63 April 2011 (Forecasted) Thems Cost Therm Gal. Therms Cos 65 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 58 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 9 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 88,719 \$131,739 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587 88,719 \$131,739							100,783	φ Ζ Ο [,
63 Rate 64 April 2011 (Forecasted) Therms Cost Therm Gal. Therms Cost 65 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 66 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 68 Total Balance 88,719 \$131,739 \$1.4849 \$1.3587 69 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587		Friding Deleting	02,010	0120,010	9:.5000	91.0700		
64 April 2011 (Forecasted) Thems Cost Therm Gal. Therms Cost 65 86 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 69 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587	02				Ra	ate		
65 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 69 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 88,719 \$131,700 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587			Therms	Cost	-		Therms	Cos
66 Beginning Balance 82,015 \$123,510 \$1.5060 \$1.3780 67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 69 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 88,719 \$131,739 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587	63	April 2011 (Forecasted)		 ,		3.41.		000
67 Received during month 75,000 \$109,643 \$1.4619 \$1.3377 68 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 6. Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 88,719 \$131,739 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587 71 Total Available \$101,414 \$1.4849 \$1.3587	63 64	April 2011 (Forecasted)				\$1.3700		
58 Total Available 157,015 \$233,153 \$1.4849 \$1.3587 59 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 88,719 \$131,70 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587 71 Total Available \$101,414 \$1.4849 \$1.3587	63 64 65			\$123,510	\$1.5060	\$1.5700		
69 Less Vapor 88,719 \$131,739 \$1.4849 \$1.3587 88,719 \$131, 70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587 71	63 64 65 66	Beginning Balance	82,015					
70 Ending Balance 68,296 \$101,414 \$1.4849 \$1.3587 71	63 64 65 66 67	Beginning Balance Received during month	82,015 75,000	\$109,643	\$1.4619	\$1.3377		
	63 64 65 66 67 68	Beginning Balance Received during month Total Available	82,015 75,000 157,015	\$109,643 \$233,153	\$1.4619 \$1.4849	\$1.3377 \$1.3587	88,719	\$131,
72 TOTALS \$1,58120 1,067,818 \$1,688,	63 64 65 66 67 68	Beginning Balance Received during month Total Available Less Vapor	82,015 75,000 157,015 88,719	\$109,643 \$233,153 \$131,739	\$1.4619 \$1.4849 \$1.4849	\$1.3377 \$1.3587 \$1.3587	88,719	\$131,

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

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: <u>Residential Heating</u> Winter:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,2
Cust. Chg. Delivery Charge:	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20								
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 \$0.00	\$92.16 \$0.00	\$93.03 \$0.00	\$74.08 \$0.00	\$44.79 \$0.00	\$389.33 \$0.00								
Summer;															
Cust, Chg. Delivery Charge:	-							\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$7.00	\$42.00	\$91.
First 80 therms @ \$0.9458	ı							\$75.66	\$52.02	\$28.37	\$28.37	\$39.72	\$67.15	\$291.31	\$804.
Next 120 therms @ \$0.7378								\$7.38	\$0.00	\$0.00	\$0.00		\$0.00	\$7.38	\$396,
Over 200 therms @ \$0,5882								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0,00	\$0.0
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.
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0000	\$0.0000	\$0.0000	\$0,0000	\$0.0000	\$0.0000		
Deferred Revenues Surcharge	\$6.43	\$8.85	\$11.03	\$11.09	\$9.79	\$7.79	\$54.99	\$0.00	\$0.00	\$0.00	\$0.00	\$0,00	\$0.00	\$0.00	\$54.9
CGA Rates - (Seasonal) Total COG	\$1.3402 \$146.08	\$1.3402 \$201.03	\$1.3402 \$250.62	\$1.3402 \$251.96	\$1.3402 \$222.47	\$1.3402 \$176.91	\$1,249.07	\$1.0537 \$94.83	\$1.1165 \$61.41	\$1,3171 \$39,51	\$1,3171 \$39,51	\$1,3171 \$55.32	\$1.3171 \$93.51	\$1.2079 \$384.10	\$1,633.1
											440.01	400.01			41,000.
Total Bill	\$271	\$364	\$448	\$450	\$400	\$323	\$2,256	\$185	\$120	\$75	\$75	\$102	\$168	\$725	\$2,98
12 MOS ENDED 4/2011	November	December	January	February	March	April	Nov-Apr	May	June	July	August	September	October	May-Oct	Nov-Oc
Tout-off to a second	400	450	407	400	450										
Typical Usage: <u>Residential Heating</u> Winter:	109	150	187	188	166	132	932	90	55	30	30	42	71	318	
Residential Heating	109 \$8.60	150 \$8.60	187 \$8.60	188 \$8,60	166 \$8.60	132 \$8.60	932 \$51.60	90	55		30	42			
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108	\$8.60 \$88.86	\$8.60 \$88.86	\$8,60 \$88,86	\$8,60 \$88,86	\$8.60 \$88.86	\$8,60 \$88.86	\$51.60 \$533.17	90	55		30	42			
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028	\$8.60 \$88.86 \$26.18	\$8.60 \$88.86 \$63.19	\$8.60 \$88.86 \$96.60	\$8.60 \$88.86 \$97.50	\$8.60 \$88.86 \$77.64	\$8.60 \$88.86 \$46.94	\$51.60 \$533.17 \$408.05	90	55		30	42			
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108	\$8.60 \$88.86	\$8.60 \$88.86	\$8,60 \$88,86	\$8,60 \$88,86	\$8.60 \$88.86	\$8,60 \$88.86	\$51.60 \$533.17	90	55		30	42			
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532	\$8.60 \$88.86 \$26.18	\$8.60 \$88.86 \$63.19	\$8.60 \$88.86 \$96.60	\$8.60 \$88.86 \$97.50	\$8.60 \$88.86 \$77.64	\$8.60 \$88.86 \$46.94	\$51.60 \$533.17 \$408.05			30			71	318	1,25
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. Delivery Charge:	\$8.60 \$88.86 \$26.18	\$8.60 \$88.86 \$63.19	\$8.60 \$88.86 \$96.60	\$8.60 \$88.86 \$97.50	\$8.60 \$88.86 \$77.64	\$8.60 \$88.86 \$46.94	\$51.60 \$533.17 \$408.05	\$8.20	\$8.20	30 \$8.20	\$8.20	\$8,20	71 58.20	318 \$49.20	1,25 \$100.8
Residential Heating	\$8.60 \$88.86 \$26.18	\$8.60 \$88.86 \$63.19	\$8.60 \$88.86 \$96.60	\$8.60 \$88.86 \$97.50	\$8.60 \$88.86 \$77.64	\$8.60 \$88.86 \$46.94	\$51.60 \$533.17 \$408.05	\$8.20 \$85.55	\$8.20 \$58.81	30 \$8.20 \$32.08	\$8.20 \$32.08	\$8.20 \$44.91	58.20 \$75.92	318 \$49.20 \$329.36	1,25 \$100.8 \$862.5
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. Delivery Charge:	\$8.60 \$88.86 \$26.18	\$8.60 \$88.86 \$63.19	\$8.60 \$88.86 \$96.60	\$8.60 \$88.86 \$97.50	\$8.60 \$88.86 \$77.64	\$8.60 \$88.86 \$46.94	\$51.60 \$533.17 \$408.05	\$8.20	\$8.20	30 \$8.20	\$8.20	\$8,20	71 58.20	318 \$49.20	1,25 \$100.8 \$862.5 \$415.6
Residential Heating	\$8.60 \$88.86 \$26.18	\$8.60 \$88.86 \$63.19	\$8.60 \$88.86 \$96.60	\$8.60 \$88.86 \$97.50	\$8.60 \$88.86 \$77.64	\$8.60 \$88.86 \$46.94	\$51.60 \$533.17 \$408.05	\$8.20 \$85.55 \$8.61	\$8.20 \$58.81 \$0.00	\$8.20 \$32.08 \$0.00	\$8.20 \$32.08 \$0.00	\$8,20 \$44,91 \$0.00	58.20 \$75.92 \$0.00	318 \$49.20 \$329.36 \$8.61	\$100.8 \$862.5 \$416.6 \$0.0
Residential Heating	\$8.60 \$88.86 \$26.18 \$0.00	\$8.60 \$88.86 \$63.19 \$0.00	\$8.60 \$88.86 \$96.60 \$0.00	\$8.86 \$87.50 \$0.00	\$8.60 \$88.86 \$77.64 \$0.00	\$8.60 \$88.86 \$46.94 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00	\$8.20 \$85.55 \$8.61 \$0.00	\$8.20 \$58.81 \$0.00 \$0.00	\$8,20 \$32,08 \$0,00 \$0,00	\$8.20 \$32.08 \$0.00 \$0.00	\$8,20 \$44,91 \$0,00 \$0,00	\$8.20 \$75.92 \$0.00 \$0.00	\$49.20 \$329.36 \$8.61 \$0.00	\$100.6 \$862.5 \$416.6 \$0.0 \$1,379.8
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118 Total Customer Charge/Base Rate Diff. from previous yes Seasonal Cust. Charge/Base Rate Diff. from previous yes Seasonal Percent Change from previous year	\$8.60 \$88.86 \$22.18 \$0.00	\$8.60 \$88.86 \$63.19 \$0.00 \$160.65	\$88.86 \$96.60 \$0.00	\$8.60 \$88.86 \$97.50 \$0.00	\$8.60 \$88.86 \$77.64 \$0.00 \$175.10	\$8.60 \$88.86 \$46.94 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00 \$5992.82 \$41.00 4.3%	\$8.20 \$85.55 \$8.61 \$0.00	\$8.20 \$58.81 \$0.00 \$0.00	\$8,20 \$32,08 \$0,00 \$0,00	\$8.20 \$32.08 \$0.00 \$0.00	\$8,20 \$44,91 \$0,00 \$0,00	\$8.20 \$75.92 \$0.00 \$0.00	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$45.49 13.6%	\$100.8 \$862.5 \$416.6 \$0.0 \$1,379.9 \$87.4 6.89
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: 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 yes	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64	\$8.60 \$88.86 \$63.19 \$0.00	\$8.60 \$88.86 \$96.60 \$0.00	\$8.60 \$88.86 \$97.50 \$0.00	\$8.86 \$88.86 \$77.64 \$0.00	\$8.60 \$88.86 \$46.94 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00 \$992.82 \$41.00	\$8.20 \$65.55 \$8.61 \$0.00 \$102.36	\$8.20 \$58.81 \$0.00 \$0.00	\$8.20 \$32.08 \$0.00 \$0.00	\$8.20 \$32.08 \$0.00 \$0.00	\$8.20 \$44.91 \$0.00 \$0.00 \$53.11	\$8.20 \$75.92 \$0.00 \$0.00	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49	\$100.8 \$862.5 \$416.6 \$0.0 \$1,379.6 \$6.8
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0594 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118 Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous yeseasonal Percent Change from previous year Rate Case Surcharge Total Rate Case Surcharge	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64 ar \$0.000 \$1,6356	\$8.60 \$88.86 \$63.19 \$0.00 \$160.65	\$8.60 \$88.86 \$96.60 \$0.00 \$1.000 \$1.6356	\$8.60 \$88.86 \$97.50 \$0.00 \$194.96 \$0.000 \$1.6356	\$8.86 \$77.64 \$0.00 \$175.10 \$0.00 \$1.6356	\$8.60 \$88.86 \$46.94 \$0.00 \$144.41 \$0.000 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00 \$992.82 \$41.00 4.3% \$0.00	\$8.20 \$85.55 \$8.61 \$0.00 \$102.36 \$0.0851 \$7.66	\$8.20 \$58.81 \$0.00 \$0.00 \$67.01 \$0.0851 \$4.68	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8,20 \$44,91 \$0,00 \$0,00 \$53,11 \$0,0851 \$3,57	\$8.20 \$75.92 \$0.00 \$0.00 \$84.12 \$0.0851 \$6.04	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49 13.6%	\$100.6 \$862.5 \$416.6 \$0.0 \$1,379.6 \$87.4 6.8
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. 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 Seasonal Cust. Charge/Base Rate Diff. from previous yes Seasonal Percent Change from previous year Rate Case Surcharge Total Rate Case Surcharge CCGA Rates - (Seasonal)	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64 ar \$0.000 \$0.00	\$8.60 \$88.86 \$63.19 \$0.00 \$160.65	\$8.60 \$88.86 \$96.60 \$0.00 \$194.06 \$0.000 \$0.00	\$8.60 \$88.86 \$97.50 \$0.00 \$194.96	\$8.60 \$88.86 \$77.64 \$0.00 \$175.10 \$0.000 \$0.00	\$8.60 \$68.86 \$46.94 \$0.00 \$144.41 \$0.000 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00 \$5992.82 \$41.00 4.3% \$0.00	\$8.20 \$85.55 \$8.61 \$0.00 \$102.36 \$0.0851 \$7.66	\$8,20 \$58,81 \$0,00 \$0,00 \$67,01 \$0,0851 \$4,68	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8,20 \$44,91 \$0,00 \$0,00 \$53,11 \$0,0851 \$3,57	\$8.20 \$75.92 \$0.00 \$0.00 \$84.12 \$0.0851	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49 \$27.06	\$100.8 \$862.9 \$416.6 \$0.0 \$1,379.9 \$87.4 6.8'
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0594 Next 120 therms @ \$0.8514 Over 200 therms @ \$0.8514 Over 200 therms @ \$0.7118 Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous yes Seasonal Percent Change from previous year Rate Case Surcharge Total Rate Case Surcharge CGA Rates - (Seasonal) Total COG Difference from previous year	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64 ar \$0.000 \$1,6356	\$8.60 \$88.86 \$63.19 \$0.00 \$160.65	\$8.60 \$88.86 \$96.60 \$0.00 \$1.000 \$1.6356	\$8.60 \$88.86 \$97.50 \$0.00 \$194.96 \$0.000 \$1.6356	\$8.86 \$77.64 \$0.00 \$175.10 \$0.00 \$1.6356	\$8.60 \$88.86 \$46.94 \$0.00 \$144.41 \$0.000 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00 \$992.82 \$41.00 4.3% \$0.00	\$8.20 \$85.55 \$8.61 \$0.00 \$102.36 \$0.0851 \$7.66	\$8.20 \$58.81 \$0.00 \$0.00 \$67.01 \$0.0851 \$4.68	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8,20 \$44,91 \$0,00 \$0,00 \$53,11 \$0,0851 \$3,57	\$8.20 \$75.92 \$0.00 \$0.00 \$84.12 \$0.0851 \$6.04	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49 13.6%	\$100.4 \$862.5 \$416.6 \$0.6 \$1,379.6 \$27.4 \$20.44.1
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.7532 Summer: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0594 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118 Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous yes Seasonal Percent Change from previous year Rate Case Surcharge CGA Rates - (Seasonal) Total COG Seasonal Percent Change from previous year Seasonal Percent Change from previous year Seasonal Percent Change from previous year	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64 ar \$0.000 \$1,6356	\$8.60 \$88.86 \$63.19 \$0.00 \$160.65	\$8.60 \$88.86 \$96.60 \$0.00 \$1.000 \$1.6356	\$8.60 \$88.86 \$97.50 \$0.00 \$194.96 \$0.000 \$1.6356	\$8.86 \$77.64 \$0.00 \$175.10 \$0.00 \$1.6356	\$8.60 \$88.86 \$46.94 \$0.00 \$144.41 \$0.000 \$0.00	\$51.60 \$533.17 \$408.05 \$0.00 \$992.82 \$41.00 4.3% \$0.00 \$1,524.38 \$275.31 22.0%	\$8.20 \$85.55 \$8.61 \$0.00 \$102.36 \$0.0851 \$7.66	\$8.20 \$58.81 \$0.00 \$0.00 \$67.01 \$0.0851 \$4.68	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55	\$8,20 \$44,91 \$0,00 \$0,00 \$53,11 \$0,0851 \$3,57	\$8.20 \$75.92 \$0.00 \$0.00 \$84.12 \$0.0851 \$6.04	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49 13.6% \$27.06 \$1.6366 \$520.43 \$136.33 \$136.33 \$3.55%	\$100.8 \$862.5 \$415.6 \$415.6 \$0.0 \$1,379.9 \$87.4 6.89 \$27.0 \$411.6 25.25
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.9522 Summer: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0694 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.8614 Over 200 therms @ \$0.718 Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous yes seasonal Percent Change from previous year Rate Case Surcharge CGA Rates - (Seasonal) Total COG Seasonal COC Difference from previous year Seasonal Percent Change from previous year	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64 ar \$0.000 \$1.6356 \$178.28	\$8.60 \$88.86 \$63.19 \$0.00 \$1.60.65 \$1.63.56 \$245.34	\$8.60 \$88.86 \$36.60 \$0.00 \$1.6356 \$305.86	\$8.60 \$88.86 \$97.50 \$0.00 \$1.6356 \$307.49	\$8.60 \$88.86 \$77.64 \$0.00 \$175.10 \$0.000 \$0.00 \$1.6356 \$271.51	\$8.60 \$68.86 \$46.94 \$0.00 \$1.60 \$1.6356 \$215.90	\$51.60 \$533.17 \$408.05 \$0.00 \$992.82 \$41.00 4.3% \$0.00 \$1,524.38 \$275.31 22.0% \$2,517 \$261.32	\$8.20 \$85.55 \$8.61 \$0.00 \$102.36 \$0.0851 \$7.66 \$1.6796 \$151.16	\$8,20 \$58,81 \$0,00 \$0,00 \$67,01 \$0,0851 \$4,68 \$1,6796 \$92,38	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55 \$1.5444 \$46.33	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55 \$1.5444 \$46.33	\$8.20 \$44.91 \$0.00 \$0.00 \$53.11 \$0.0851 \$3.57 \$1,6303 \$68.47	\$8.20 \$75.92 \$0.00 \$0.00 \$84.12 \$0.0851 \$6.04 \$1.6303 \$115.75	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49 \$13.6% \$27.06 \$16363 \$155.33 35.5% \$9.35 \$210	\$100.8 \$862.5 \$416.6 \$0.0 \$1,379.9 \$87.4 6.89 \$27.0 \$2,044.8 \$411.6 25.29
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028 Over 200 therms @ \$0.97532 Summer: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0594 Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118 Total Customer Charge/Base Rate Amount Seasonal Cust. Charge/Base Rate Diff. from previous yes Seasonal Cust. Charge/Base Rate Diff. from previous yes Rate Case Surcharge CGA Rates - (Seasonal) Total COG Seasonal Percent Change from previous year Seasonal Percent Change from previous year	\$8.60 \$88.86 \$26.18 \$0.00 \$123.64 ar \$0.000 \$1.6356 \$178.28	\$8.60 \$88.86 \$63.19 \$0.00 \$1.60.65 \$1.63.56 \$245.34	\$8.60 \$88.86 \$36.60 \$0.00 \$1.6356 \$305.86	\$8.60 \$88.86 \$97.50 \$0.00 \$1.6356 \$307.49	\$8.60 \$88.86 \$77.64 \$0.00 \$175.10 \$0.000 \$0.00 \$1.6356 \$271.51	\$8.60 \$68.86 \$46.94 \$0.00 \$1.60 \$1.6356 \$215.90	\$51.60 \$533.17 \$408.05 \$0.00 \$992.82 \$41.00 4.3% \$0.00 \$1,524.38 \$275.31 22.0%	\$8.20 \$85.55 \$8.61 \$0.00 \$102.36 \$0.0851 \$7.66 \$1.6796 \$151.16	\$8,20 \$58,81 \$0,00 \$0,00 \$67,01 \$0,0851 \$4,68 \$1,6796 \$92,38	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55 \$1.5444 \$46.33	\$8.20 \$32.08 \$0.00 \$0.00 \$40.28 \$0.0851 \$2.55 \$1.5444 \$46.33	\$8.20 \$44.91 \$0.00 \$0.00 \$53.11 \$0.0851 \$3.57 \$1,6303 \$68.47	\$8.20 \$75.92 \$0.00 \$0.00 \$84.12 \$0.0851 \$6.04 \$1.6303 \$115.75	\$49.20 \$329.36 \$8.61 \$0.00 \$387.17 \$46.49 13.6% \$27.06 \$1.6366 \$520.43 \$136.33 \$136.33 \$3.55%	\$100.8 \$862.5 \$416.6 \$1.379.5 \$87.4 \$27.0 \$27.0 \$411.6 \$25.2

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

Typical Usage: Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0694	vember 109	December													
Residential Heating Winter: Cust. Chg. Delivery Charge: First 80 therms @ \$1.0694	109		January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Cust. Chg. Delivery Charge: First 80 therms @ \$1.0694		150	187	188	166	132	932	90	55	30	30	42	71	318	1,25
First 80 therms @ \$1,0694	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$8.20	\$49.20								
1 11 1 100 11	\$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 \$0,00	\$92.16 \$0.00	\$93,03 \$0,00	\$74.08 \$0.00	\$44.79 \$0.00	\$389.33 \$0.00								
Summer:															
Cust. Chg. Delivery Charge:							ļ	\$7.00	\$7.00	\$7.00	\$7,00	\$7.00	\$7.00	\$42.00	\$91.20
First 80 therms @ \$0.9458								\$75.66	\$52.02	\$28.37	\$28.37	\$39.72	\$67.15	\$291.31	\$804.60
Next 120 therms @ \$0.7378 Over 200 therms @ \$0.5882								\$7,38 \$0,00	\$0,00 \$0.00	\$0,00 \$0,00	\$0.00 \$0.00	\$0.00 \$0.00	\$0.00 \$0.00	\$7.38 \$0.00	\$396,71 \$0,00
Total Customer Charge/Base Rate Amount \$	\$118.73	\$154.04	\$185.91	\$186,77	\$167.82	\$138.54	\$951.82	\$90,04	\$59.02	\$35,37	\$35.37	\$46.72	\$74.15	\$340.68	\$1,292.50
Deferred Revenues Surcharge S Deferred Revenues Surcharge	\$0,0590 \$6.43	\$0.0590 \$8.85	\$0.0590 \$11.03	\$0.0590 \$11.0 9	\$0.0590 \$9.79	\$0.0590 \$7.79	\$54.99	\$0,000	\$0.000	\$0.0000	\$0.000	\$0.000	\$0.0000	\$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	
	\$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
Typical Usage:	ember 109	December 150	January 187	February 188	March 166	April 132	Winter Nov-Apr 932	May 90	June 55	July 30	August 30	September 42	October 71	Summer May-Oct 318	Total Nov-Oct
Typical Usage: Residential Heating	109	150	187	188	166	132	932	90	55	30	30	42	71	318	1,250
Winter: Cust. Chg. 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 Over 200 therms @ \$0.7532	\$26.18 \$0.00	\$63.19 \$0.00	\$96.60 \$0.00	\$97.50 \$0.00	\$77.64 \$0.00	\$46.94 \$0.00	\$408.05 \$0.00								
Summer: Cust. Chg.						İ		\$8.20	\$8.20	\$8.20	\$8,20	\$8,20	\$8,20	549.20	\$100.80
Delivery Charge:															
First 80 therms @ \$1,0694 Next 120 therms @ \$0,8614 Over 200 therms @ \$0,7118								\$85.55 \$8.61 \$0.00	\$58.81 \$0.00 \$0.00	\$32.08 \$0.00 \$0.00	\$32,08 \$0.00 \$0.00	\$44.91 \$0.00 \$0,00	\$75.92 \$0.00 \$0,00	\$329.36 \$8,61 \$0,00	\$862.53 \$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		V	<u> </u>			7,141,41	\$41.00 4.3%	9102,30	407.01	440.20	340.20	400.11	304.12	\$46,49 13.6%	\$87,49 6.8%
Seasonal Percent Change from previous year	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0,000		\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0,0851	\$0.0851		
Rate Case Surcharge		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.66	\$4.68	\$2,55	\$2.55	\$3.57			
	\$9.00	\$0.00	30,00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					34.00	1.00		30.07	\$6.04	\$27.06	\$27.06
Rate Case Surcharge Total Rate Case Surcharge CGA Rates - (Seasonal) \$	\$0.00 51.6356	\$1,6356	\$1.6356	\$1,6356	\$1,6356	\$1,6356		\$1.6795	\$1.6796	\$1.5444	\$1.5444	\$1,6303	\$1,6303	\$1,6366	
Rate Case Surcharge	\$0.00		····			\$1.6356 \$215.90	\$1,524.38 \$135.66	\$1.6796 \$151.16						\$1,6366 \$520.43	\$2,044.81
Rate Case Surcharge Total Rate Case Surcharge CGA Rates - (Seasonal) \$	\$0.00 51.6356	\$1,6356	\$1.6356	\$1,6356	\$1,6356		\$1,524.38 \$135.66 9.8%		\$1.6796	\$1.5444	\$1.5444	\$1,6303	\$1,6303	\$1,6366	\$2,044.81 \$271.99
Rate Case Surcharge Total Rate Case Surcharge CGA Rates - (Seasonal) Total COG \$ seasonal COG Difference from previous year Seasonal Percent Change from previous year Total Bill	\$0.00 51.6356	\$1,6356	\$1.6356	\$1,6356	\$1,6356		\$135.66 9.8% \$2,517		\$1.6796	\$1.5444	\$1.5444	\$1,6303	\$1,6303	\$1,6366 \$520.43 \$136.33 35.5% \$935	\$27.06 \$2,044.81 \$271.99 15.3% \$3,452
Rate Case Surcharge Total Rate Case Surcharge CGA Rates - (Seasonal) S Total COG S Seasonal COG Difference from previous year Seasonal Percent Change from previous year	\$0.00 \$1.6356 \$178.28	\$1.6356 \$245.34	\$1.6356 \$305.86	\$1,6356 \$307,49	\$1.6356 \$271.51	\$215.90	\$135.66 9.8%	\$151.16	\$1.6796 \$92.38	\$1.5444 \$46.33	\$1.5444 \$46.33	\$1.6303 \$68.47	\$1,6303 \$115.75	\$1,6366 \$520.43 \$136.33 35.5%	\$2,044.81 \$271.99 15.3%

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 Char Commercial Bill	ge, & Base R	late Charge													
12 MOS ENDED 4/2010	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Commercial Winter:							,,,,,,,	.,,	٠.			00		9.0	2,000
Cust. Chg.	\$16,40	\$16.40	\$16.40	\$16,40	\$16.40	\$16.40	\$98.40								
Delivery Charge:							.								1
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 \$78.38	\$513,29 \$589,16								
Over 200 therms @ \$0,7118	\$0.00		\$69.75	\$44.13	\$24.20	\$0.00	\$187,19								
Summer:															
Cust. Chg. Delivery Charge:							- 1	\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$84.00	\$182.40
First 80 therms @ \$0.9458							1	\$75.66	\$75.66	\$68.10	\$68.10	\$75.66	\$75.66	\$438.85	\$952.14
Next 120 therms @ \$0,7378							1	\$27.30	\$0.74	\$0,00	\$0,00		\$45.74	\$80.42	\$669.5
Over 200 therms @ \$0.5882								\$0.00	\$0,00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$187.19
Total Customer Charge/Base Rate Amount	\$199.28	\$254.42	\$275.06	\$249.44	\$229.51	\$180.33	\$1,388.04	\$116.96	\$90,40	\$82,10	\$82,10	\$96.30	\$135.41	\$603,27	\$1,991.3
Rate Case Surcharge	\$0.0590	\$0.0590	\$0,0590	\$0.0590	\$0.0590	\$0.0590		\$0,0000	\$0.0000	\$0.0000	\$0.0000	\$0,0000	\$0.0000		
Deferred Revenues Surcharge	\$11.39	\$15.87	\$17.58	\$15.46	\$13.81	\$10.09	\$84.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$84.1
CGA Rates - (Seasonal)	\$1.3402		\$1.3402	\$1.3402	\$1.3402	\$1,3402		\$1.0537	\$1.1165	\$1.3171	\$1.3171		\$1.3171	\$1.2350	
Total COG	\$258.66	\$360.51	\$399.38	\$351.13	\$313.61	\$229,17	\$1,912.47	\$123.28	\$90.44	\$94.83	\$94.83	\$117.22	\$187.03	\$707.63	\$2,620.10
Total Bill	\$469	\$631	\$692	\$616	\$557	\$420	\$3,385	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,698
Shows the effect of the Unit Cost of Gas, Delivery Char Commercial Bill	rge, & Base R	ate Charge												-9."	
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Winter:							- 1								
Cust. Chg.	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	\$103.20								
Delivery Charge: First 80 therms @ \$1.1108	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$88.86	\$533.17								
Next 120 therms @ \$0.9028	\$102.01	\$108.33	\$108.33	\$108.33	\$108.33	\$82.15	\$617.49								
Over 200 therms @ \$0,7532	\$0.00	\$51,97	\$73.81	\$46.70	\$25.61	\$0,00	\$198.08								
							I								
Summer: Cust, Chg.							1	\$16,40	\$16.40	\$16,40	\$16,40	\$16.40	\$16,40	\$98.40	\$201.60
Delivery Charge:							1	0.0.10	4.0.70	470(10	410110	0.0	*******	••••	
First 80 therms @ \$1.0694								\$85.55	\$85.55	\$76.99	\$76.99		\$85.55	\$496,18	\$1,029,35 \$711,38
Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118							İ	\$31.87 \$0.00	\$0.86 \$0.00	\$0,00 \$0,00	\$0.00 \$0.00		\$53.40 \$0.00	\$93,89 \$0,00	
															20.110.11
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	\$1,451.94 \$63.90	\$133,82	\$102,81	\$93.39	\$93.39	\$109,70	\$155.35	\$688.47 \$85.20	\$2,140.41 \$149.09
Seasonal Percent Change from previous year							4.6%							14.1%	7.5%
Rate Case Surcharge	\$0.000	\$0.000	\$0,000	\$0.000	\$0.000	\$0,000		\$0,0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0,0851		
Total Rate Case Surcharge	\$0.00		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.96	\$6.89	\$6.13	\$6.13		\$12.08	\$48,76	\$48.76
CGA Rates - {Seasonal}	\$1.6356		\$1.6356	\$1.6356	\$1.6356	\$1.6356		\$1.6796	\$1.6796	\$1.5444	\$1,5444	\$1,6303	\$1,6303	\$1.6257	
Total COG	\$315.67	\$439.98	\$487.41	\$428.53	\$382.73	\$279.69	\$2,334.00 \$421.54	\$196.51	\$136.05	\$111.20	\$111.20	\$145.10	\$231.50	\$931.55 \$223.92	\$3,265.55 \$645.46
Seasonal COG Difference from previous year							22.0%							31.6%	24,6%
Seasonal Percent Change from previous year	1														1
Seasonal Percent Change from previous year Total Bill	\$524	\$706	\$776	\$690	\$623	\$468	\$3,786	\$340	\$246	\$211	\$211	\$262	\$399	\$1,669	\$5,455
Total Bill Seasonal Total Bill Difference from previous year	\$524	\$706	\$776	\$690	\$623	\$468	\$401.24	\$340	\$246	\$211	\$211	\$262	\$399	\$358	\$759
Total Bill	\$524	\$706	\$776	\$690	\$623	\$468		\$340	\$246	\$211	\$211	\$262	\$399		

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

Shows the effect of the Unit Cost of Gas, Delivery Cha Commercial Bill	rge, & Base R	late 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; Commercial	193	269	298	262	234	171	1427	117	81	72	72	89	142	573	2,00
Winter: Cust. Chg.	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$16.40	\$98.40								
Delivery Charge: First 80 therms @ \$1.0694	\$85.55	\$85.55	\$85.55	\$85,55	\$85.55	\$85.55	\$513.29								
Next 120 therms @ \$0,8614	\$97.33	\$103.36	\$103.36	\$103.36	\$103.36	\$78.38									
Over 200 therms @ \$0,7118	\$0.00	\$49.11	\$69,75	\$44.13	\$24.20	\$0.00	\$187.19								
Summer: Cust, Chg.								****							
Delivery Charge:	1							\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$14.00	\$84.00	\$182.4
First 80 therms @ \$0.9458								\$75,66	\$75.66	\$68.10	\$68.10	\$75.66	\$75.66	\$438.85	\$952.1
Next 120 therms @ \$0.7378 Over 200 therms @ \$0.5882	į.							\$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	\$669.5 \$187.1
Total Customer Charge/Base Rate Amount	\$199,28	\$254.42	\$275,06	\$249,44	\$229.51	\$180.33	\$1,388.04	\$116.96	\$90.40	\$82.10	\$82,10	\$96,30	\$135.41	\$603,27	\$1,991.3
Rate Case Surcharge	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590	\$0.0590		\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000		
Deferred Revenues Surcharge	\$11.39	\$15.87	\$17.58	\$15.46	\$13.81	\$10.09	\$84.19	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$84.1
CGA Rates - (Seasonal)	\$1.3743	\$1.3743	\$1,4796	\$1.5103	\$1,6374	\$1.5178	\$1.4816	\$1.0537	\$1.1165	\$1,3171	\$1.3171	\$1.3171	\$1.3171	\$1,2350	
Total COG	\$265.24	\$369.69	\$440.92	\$395.70	\$383.15	\$259.54	\$2,114.24	\$123.28	\$90.44	\$94.83	\$94.83	\$117.22	\$187.03	\$707.63	\$2,821.87
Total Bill	\$476	\$640	\$734	\$661	\$626	\$450	\$3,586	\$240	\$181	\$177	\$177	\$214	\$322	\$1,311	\$4,897
Shows the effect of the Unit Cost of Gas, Delivery Chai Commercial Bill	rge, & Base R	ate Charge													
12 MOS ENDED 4/2011	November	December	January	February	March	April	Winter Nov-Apr	May	June	July	August	September	October	Summer May-Oct	Total Nov-Oct
Typical Usage:	193	269	298	262	234	171	1,427	117	81	72	72	89	142	573	2,000
Commercial Winter: Cust. Chg.	\$17.20	\$17.20	\$17.20	\$17.20	\$17.20	647.00	5402.20								
Delivery Charge:		\$17.20	417.20	317.20	317.20	\$17.20	\$103.20								
First 80 therms @ \$1.1108 Next 120 therms @ \$0.9028	\$88.86 \$102.01	\$88.86 \$108.33	\$88.86 \$108.33	\$88.86 \$108.33	\$88.86 \$108.33	\$88.86 \$82.15	\$533.17 \$617.49								
Over 200 therms @ \$0.7532	\$0.00	\$51.97	\$73.81	\$46.70	\$25.61	\$82.15	\$617.49 \$198.08								
Summer:															
Cust, Chg, Delivery Charge:								\$16.40	\$16,40	\$16,40	\$16.40	\$16.40	\$16.40	\$98.40	\$201.60
First 80 therms @ \$1.0694								\$85.55	\$85.55	\$76.99	\$76.99	\$85.55	\$85.55	\$496.18	\$1,029.3
Next 120 therms @ \$0.8614 Over 200 therms @ \$0.7118								\$31.87 \$0.00	\$0.86 \$0.00	\$0.00 \$0.00	\$0.00 \$0,00	\$7.75 \$0.00	\$53.40 \$0.00	\$93.89 \$0.00	\$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	\$2,140.4
Seasonal Cust, Charge/Base Rate Diff, from previous year Seasonal Percent Change from previous year							\$63.90 4.6%							\$85.20 14.1%	\$149.09 7.5%
Rate Case Surcharge	\$0.000	\$0.000	\$0,000	\$0,000	\$0,000	\$0.000		\$0,0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851	\$0.0851		
Total Rate Case Surcharge	\$0.00	\$0.00	\$0.00	\$0,00	\$0.00	\$0.00	\$0.00	\$9.96	\$6.89	\$6.13	\$6.13	\$7.57	\$12.08	\$48.76	\$48.76
CGA Rates - {Seasonal}	\$1,6356	\$1,6356	\$1,6356	\$1,6356	\$1,6356	\$1.6356		\$1,6796	\$1,6796	\$1.5444	\$1.5444	\$1,6303	\$1,6303	\$1,6257	
Total COG Seasonal COG Difference from previous year	\$315.67	\$439.98	\$487.41	\$428.53	\$382.73	\$279.69	\$2,334.00 \$219.76	\$196.51	\$136.05	\$111.20	\$111.20	\$145.10	\$231.50	\$931.55 \$223.92	\$3,265.5 \$443.6
Seasonal Percent Change from previous year							10,4%							31.6%	15.79
Total Bill	\$524	\$706	\$776	\$690	\$623	\$468	\$3,786	\$340	\$246	\$211	\$211	\$262	\$399	\$1,669	\$5,45
Seasonal Total Bill Difference from previous year Seasonal Percent Change from previous year							\$199,47 5.6%							\$358 27.3%	\$557 11.4%
Seasonal Percent Change resulting from Base Rates							1.8%						İ	6.5%	3.0%
Seasonal Percent Change resulting from COG	1						6.1%							17.1%	9,1%

Propane Market Purchase Cost Analysis WINTER 2010 - 2011

LINE NO.

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

15
16
17 Mt. Belvieu settlement prices based on Clearport propane futures market quotations as of 10/08/2010.
18 Website: http://quotes.ino.com/exchanges/contracts.html?=CLRP_B0

Supplemental Schedule D

Surcharge

n/a

Supplemental Schedule E

					pshire Gas Corpora Non-FPO Price Cor			**************************************	
			Percent			Typical	Average	Typical	Cost/(Savings)
Winter	FPO	Amount	Participation	Actual	Premium	Residential	Non-FPO	Residential	to FPO
Period	Rate	of Premium	(therms)	FPO Volumes	Revenue	FPO bill	Rate	non-FPO bill	Customers
2009-2010	\$1.3402	\$0.02	17.12%	163,486	\$3,270	\$2,256	\$1.4900	\$2,396	(\$140)
2008-2009	\$2.2408	\$0.02	21.08%	205,970	\$4,119	\$2,974	\$1.7347	\$2,492	\$482
2007-2008	\$1.5212	\$0.02	28.01%	266,419	\$5,328	\$2,288	\$1.7646	\$2,520	(\$232)
2006-2007	\$1.4741	\$0.02	21.86%	206,686	\$4,134	\$2,250	\$1.5397	\$2,313	(\$63)
2005-2006	\$1.5260	\$0.02	42.91%	348,849	\$6,977	\$2,248	\$1.3742	\$2,103	\$145
2004-2005	\$1.2323	n/a	39.44%	340,315	n/a	\$1,946	\$1.2647	\$1,976	(\$30)
2003-2004	\$0.8877	n/a	38.78%	316,300	n/a	\$1,580	\$1.0325	\$1,718	(\$138)
Total						\$15,542		\$15,517	\$25

Supplemental Schedule F

						New Hampshire Weather N	Gas Corporatior ormalization - Fi		/11				
Month	Actual Firm Sendout	Base Use	Heat Use		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%	
November	112,038	42,074	69,964	691	797	(106)	101.25	10,766	80,730	122,804	3,675	1.978	121,107
December	222,014	42,074	179,940	1,229	1,181	48	146.41	(7,091)	172,849	214,923	6,364	3,462	212,021
January	237,491	42,074	195,417	1,297	1,369	(72)	150.67	10,798	206,215	248,289	7,085	4,004	245,208
February	193,085	42,074	151,011	1,005	1,140	(135)	150.26	20,310	171,321	213,395	5,530	3,451	211,316
March	139,205	42,074	97,131	786	988	(202)	123.58	24,934	122,065	164,139	4,236	2,654	162,557
April	78,527	42,074	36,453	481	597	(116)	75.79	8,791	45.244	87.318	2,911	1,401	85,808
Total	982,360	252,444	729,916	5,489	6,072	(583)		68,508	798,424	1,050,868	29,801	16,950	1,038,017

					lew Hampshire		n				
		<u> </u>	T	Weather I	Normalization - S	Sales Rate R	lesidential				
Month	Billing Cycle Customers	Billing Cycle Sales	Base Load	Heating Load	Billing Cycle Monthly Actual Degree Days	Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(1) - (3)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
November	800	20,474	7,301	13,174	614	569	45	21.44	(967)	12,206	19,507
December	811	27,871	7,301	20,571	769	853	(84)	26.73	2,239	22,810	30,110
January	812	59,391	7,301	52,091	1,197	1,220	(23)	43.51	979	53,069	60,370
February	823	49,622	7,301	42,322	1,238	1,323	(84)	34.17	2,884	45,206	52,506
March	819	41,917	7,301	34,617	966	1,113	(147)	35.84	5,273	39.889	47,190
April	811	29,826	7,301	22,526	736	924	(188)	30.61	5,745	28,270	35,571
Total		229,101	43,803	185,298	5,521	6,002	(480)	192	16,152	201,450	245,253

					lew Hampshire Iormalization - S		n ommercial				
Month	Billing Cycle Customers	Billing Cycle Sales	Base Load	Heating Load		Billing Cycle Monthly Normal Degree Days	Colder (Warmer) Than Normal	Actual Unit Heat Load Therm/DD	Weather Adjustment	Normal Heat Load	Normal Firm Billing Cycle Therms
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
				(1) - (3)			(4) - (5)	(3) / (4)	(6) X (7)	(3) + (8)	(1) - (3) + (9)
November	330	68,482	30,470	38,013	612	561	51	62.16	(3,166)	34,847	65,316
December	339	79,933	30,470	49,464	752	841	(89)	65.79	5,845	55,308	85,778
January	341	182,639	30,470	152,170	1,191	1,211	(20)	127.73	2,505	154,674	185,144
February	333	159,286	30,470	128,817	1,253	1,334	(81)	102.80	8,349	137,166	167,635
March	318	137,832	30,470	107,363	972	1,117	(145)	110.46	16,040	123,403	153,872
April	342	96,853	30,470	66,384	749	940	(191)	88.65	16,960	83,344	113,813
Total		725,025	182,817	542,208	5,529	6,004	(475)	558	46,534	588,742	771,559

 November
 84,823

 December
 115,888

 January
 245,514

 February
 220,142

 March
 201,062

 April
 149,384

 Total Winter Sales Volumes
 1,016,812