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Off Peak 2014 Summer Cost of Gas Filing

Table of Contents

Tab	Title	Description
Summary	Summary	Summary
1	Schedule 1	Summary of Supply and Demand Forecast
2	Schedule 2	Contracts Ranked on a per Unit Cost Basis
3	Schedule 3	COG (Over)/Under Cumulative Recovery Balances and Interest Calculation
4	Schedule 4	Adjustments to Gas Costs
5	Schedule 5A Schedule 5B Schedule 5C Attachment	Demand Costs Demand Volumes Demand Rates Pipeline Tariff Sheets
6	Schedule 6 Attachment	Supply and Commodity Costs, Volumes and Rates Pipeline Tariff Sheets
7	Schedule 7	NYMEX Futures @ Henry Hub and Hedged Contracts
8	Schedule 8, Page 1 Schedule 8, Page 2 Schedule 8, Page 3 Schedule 8, Page 4 Schedule 8, Page 5	Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Residential Heating Rate R-3 Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Commercial Rate G-41 Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Commercial Rate G-42 Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Commercial Rate G-52 Residential Heating
9	Schedule 9	Variance Analysis of the Components of the Summer 2013 Actual Results vs Proposed Summer 2014 Cost of Gas Rate
10	Schedule 10A Pages 1-2 Schedule 10A Page 3 Schedule 10B	Capacity Assignment Calculations 2013-2014 Derivation of Class Assignments and Weightings Correction Factor Calculation Off Peak 2014 Summer Cost of Gas Filing
11	Schedule 11A Schedule 11B Schedule 11C	Normal and Design Year Volumes Normal Year Normal and Design Year Volumes Design Year Capacity Utilization
12	Schedule 12, Page 1 Schedule 12, Page 2	Transportation Available for Pipeline Supply and Storage Agreements for Gas Supply and Transportation
13	Schedule 13	Storage Inventory
14	Tab 14	2013 Summer Cost of Gas Reconciliation
15	Tab 15	Occupant Accounts

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1 **Liberty Utilities (EnergyNorth Natural Gas) Corp.**

Summary

3 **Off Peak 2014 Summer Cost of Gas Filing**

Page 1

4 **Summary**

	Reference	OP 14 May - Oct
(a)	(b)	(c)
Anticipated Direct Cost of Gas		
Purchased Gas:		
Demand Costs:	Sch. 5A, col (j), ln 43	\$ 3,627,974
Supply Costs	Sch. 6, col (i), ln 44	7,856,640
Storage Gas:		
Demand, Capacity:	Sch. 5A, col (j), ln 58	\$ -
Commodity Costs:	Sch. 6, col (i), ln 47	-
Produced Gas:	Sch. 6, col (i), ln 53	\$ 204,753
Hedge Contract (Savings)/Loss	Sch. 7, col (i), ln 34	\$ (97,909)
Total Unadjusted Cost of Gas		\$ 11,591,457
Adjustments:		
Prior Period (Over)/Under Recovery	Sch. 3, col (c) ln 26	\$ (1,146,406)
Interest 05/01/14 - 10/31/14	Sch. 3, col (q) ln 191	(27,251)
Prior Period Adjustments	Sch. 4, ln 26 col (b)	-
Refunds from Suppliers	Sch. 4, ln 26 col (c)	-
Broker Revenue	Sch. 4, ln 26 col (d)	-
Fuel Financing	Sch. 4, ln 26 col (e)	-
Transportation CGA Revenues	Sch. 4, ln 26 col (f)	-
Interruptible Sales Margin	Sch. 4, ln 26 col (g)	-
Capacity Release and Off System Sales Margins	Sch. 4, ln 26 col (h) + col (i)	-
Hedging Costs	Sch. 4, ln 26 col (j)	50,495
FPO Premium - Collection		-
Fixed Price Option Administrative Costs	Sch. 4, ln 26 col (k)	-
Total Adjustments		\$ (1,123,162)
Total Anticipated Direct Costs	Ins 23 + 40	\$ 10,468,295
Anticipated Indirect Cost of Gas		
Working Capital		
Total Unadjusted Anticipated Cost of Gas	Ln 23	\$ 11,591,457
Lead Lag Days / 365	DG 10-017, 14.27 / 365	0.0391
Prime Rate		3.25%
Working Capital Percentage	per GTC 16(f), ln 47 * ln 48	0.127%
Working Capital	ln 46 * ln 49	14,731
Plus: Working Capital Reconciliation	Sch. 3, col (c), ln 98	(554)
Total Working Capital Allowance	Ins 50 + 51	\$ 14,177
Bad Debt		
Total Unadjusted Anticipated Cost of Gas	ln 23	\$ 11,591,457
Less Refunds	ln 30	-
Plus Working Capital	ln 53	14,177
Plus Prior Period (Over) Under Recovery	ln 27	(1,146,406)
Subtotal		\$ 10,459,228
Bad Debt Percentage	per GTC 16(f)	1.98%
Bad Debt Allowance	ln 60 * ln 61	\$ 207,093
Prior Period Bad Debt Allowance	Sch. 3, col (c), ln 161	-
Total Bad Debt Allowance	Ins 63 + 64	\$ 207,093
Production and Storage Capacity	per GTC16(f)	\$ -
Miscellaneous Overhead	per GTC 16(f)	\$ 13,170
Sales Volume	Sch. 10B, ln 23/1000	20,377
Divided by Total Sales	Sch. 10B, ln 23/1000	95,802
Ratio		21.27%
Miscellaneous Overhead	Ins 70 * 73	\$ 2,801
Total Anticipated Indirect Cost of Gas	Ins 53 + 66 + 68 + 75	\$ 224,071
Total Cost of Gas	Ins 42 + 77	\$ 10,692,366
Projected Forecast Sales (Therms)	Sch. 3, col (q), ln 52	19,670,156

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Summary of Supply and Demand Forecast

			May-14 (c)	Jun-14 (d)	Jul-14 (e)	Aug-14 (d)	Sep-14 (e)	Oct-14 (f)	Nov-14 (g)	Off Peak Period May - Oct (h)
7 For Month of:	(b)									
8 (a)										
9 I. Gas Volumes (Therms)										
10										
11 A. Firm Demand Volumes										
12 Firm Gas Sales	Sch. 10B, ln 23		1,768,175	4,626,043	2,288,364	1,880,713	1,990,451	3,042,184	4,074,226	19,670,156
13 Lost Gas (Unaccounted for)			46,090	31,718	25,664	27,216	36,366	64,123		231,176
14 Company Use			2,925	2,013	1,629	1,727	2,308	4,069		14,670
15 Unbilled Therms			2,156,056	(1,925,467)	(103,265)	436,524	1,105,851	2,417,467	(4,074,226)	12,941
16										
17 Total Firm Volumes	Sch. 6, ln 92		3,973,246	2,734,307	2,212,392	2,346,180	3,134,976	5,527,843		19,928,944
18										
19 B. Supply Volumes (Therms)										
20 Pipeline Gas:										
21 Dawn Supply	Sch. 6, ln 63		551,490	-	-	-	-	-	-	551,490
22 Niagara Supply	Sch. 6, ln 64		767,870	173,021	-	-	-	-	-	940,891
23 TGP Supply (Direct)	Sch. 6, ln 65		-	-	-	-	-	-	-	-
24 Dracut Supply 1 - Baseload	Sch. 6, ln 66		-	-	-	-	-	-	-	-
25 Dracut Supply 2 - Swing	Sch. 6, ln 67		-	-	-	-	-	-	-	-
26 City Gate Delivered Supply	Sch. 6, ln 68		-	-	-	-	-	-	-	-
27 LNG Truck	Sch. 6, ln 69		66,198	-	-	15,330	65,501	20,208	-	167,236
28 Propane Truck	Sch. 6, ln 70		80,134	80,134	80,134	80,134	36,234	-	-	356,770
29 PNGTS	Sch. 6, ln 71		25,085	17,420	16,724	16,724	20,208	35,538	-	131,698
30 TGP Supply (Zone 4)	Sch. 6, ln 72		6,262,000	6,060,000	5,828,868	5,380,118	5,840,713	5,516,694	-	34,888,393
31 Subtotal Pipeline Volumes			7,752,777	6,330,575	5,925,725	5,492,305	5,962,656	5,572,439	-	37,036,478
32										
33 Storage Gas:										
34 TGP Storage	Sch. 6, ln 77		-	-	-	-	-	-	-	-
35										
36 Produced Gas:										
37 LNG Vapor	Sch. 6, ln 80		20,208	19,511	20,208	20,208	19,511	20,208	-	119,852
38 Propane	Sch. 6, ln 81		-	-	-	-	-	-	-	-
39 Subtotal Produced Gas			20,208	19,511	20,208	20,208	19,511	20,208	-	119,852
40										
41 Less - Gas Refill:										
42 LNG Truck	Sch. 6, ln 86		(66,198)	-	-	(15,330)	(65,501)	(20,208)	-	(167,236)
43 Propane	Sch. 6, ln 87		(80,134)	(80,134)	(80,134)	(80,134)	(36,234)	-	-	(356,770)
44 TGP Storage Refill	Sch. 6, ln 88		(3,653,407)	(3,535,645)	(3,653,407)	(3,070,869)	(2,745,456)	(44,596)	-	(16,703,381)
45 Subtotal Refills			(3,799,739)	(3,615,779)	(3,733,541)	(3,166,333)	(2,847,191)	(64,804)	-	(17,227,387)
46										
47 Total Firm Sendout Volumes	Ins 31 + 34 + 39 + 45		3,973,246	2,734,307	2,212,392	2,346,180	3,134,976	5,527,843		19,928,944
48										

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing
4 Summary of Supply and Demand Forecast

	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Off Peak Period May - Oct
7 For Month of:								
49 II. Gas Costs								
50								
51 A. Demand Costs								
52 Supply								
53 Niagara Supply								
54 Subtotal Supply Demand								
55 Less Capacity Credit								
56 Net Pipeline Demand Costs								
57								

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51. A. Demand Costs	Sch. 5A, In 12
52 Supply	
53 Niagara Supply	
54 Subtotal Supply Demand	
55 Less Capacity Credit	
56 Net Pipeline Demand Costs	

58 Pipeline:	
59 Iroquois Gas Trans Service RTS 470-0	Sch. 5A, In 16
60 Tenn Gas Pipeline 95346 Z5-Z6	Sch. 5A, In 17
61 Tenn Gas Pipeline 2302 Z5-Z6	Sch. 5A, In 18
62 Tenn Gas Pipeline 8587 Z0-Z6	Sch. 5A, In 19
63 Tenn Gas Pipeline 8587 Z1-Z6	Sch. 5A, In 20
64 Tenn Gas Pipeline 8587 Z4-Z6	Sch. 5A, In 21
65 Tenn Gas Pipeline (Dracut) 42076 Z6-Z6	Sch. 5A, In 22
66 Tenn Gas Pipeline (Concord Lateral) Z6-Z6	Sch. 5A, In 23
67 Portland Natural Gas Trans Service	Sch. 5A, In 24
68 ANE (TransCanada via Union to Iroquois)	Sch. 5A, In 25
69 Tenn Gas Pipeline Z4-Z6 stg 632	Sch. 5A, In 26
70 Tenn Gas Pipeline Z4-Z6 stg 11234	Sch. 5A, In 27
71 Tenn Gas Pipeline Z5-Z6 stg 11234	Sch. 5A, In 28
72 National Fuel FST 2358	Sch. 5A, In 29
73 Subtotal Pipeline Demand	
74 Less Capacity Credit	
75 Net Pipeline Demand Costs	
76	

77 Peaking Supply:	
78 Tenn Gas Pipeline (Concord Lateral) Z6-Z6	Sch. 5A, In 34
79 Granite Ridge Demand	Sch. 5A, In 35
80 DOWAC Demand NSB041	Sch. 5A, In 36
81 Subtotal Peaking Demand	
82 Less Capacity Credit	
83 Net Peaking Supply Demand Costs	
84	

85 Storage:	
86 Dominion - Demand	Sch. 5A, In 46
87 Dominion - Storage	Sch. 5A, In 47
88 Honeoye - Demand	Sch. 5A, In 48
89 National Fuel - Demand	Sch. 5A, In 49
90 National Fuel - Capacity	Sch. 5A, In 50
91 Tenn Gas Pipeline - Demand	Sch. 5A, In 51
92 Tenn Gas Pipeline - Capacity	Sch. 5A, In 52
93 Subtotal Storage Demand	
94 Less Capacity Credit	
95 Net Storage Demand Costs	
96	
97 Total Demand Charges	Ins 54 + 73 + 81 + 93
98 Total Capacity Credit	Ins 55 + 74 + 82 + 94
99 Net Demand Charges	

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Summary of Supply and Demand Forecast

	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Off Peak Period May - Oct REDACTED
102 B. Commodity Costs								
103 Pipeline:								
104 Dawn Supply								Sch. 6, In 12
105 Niagara Supply								Sch. 6, In 13
106 TGP Supply (Direct)								Sch. 6, In 14
107 Dracut Supply 1 - Baseload								Sch. 6, In 15
108 Dracut Supply 2 - Swing								Sch. 6, In 16
109 City Gate Delivered Supply								Sch. 6, In 17
110 LNG Truck								Sch. 6, In 18
111 Propane Truck								Sch. 6, In 19
112 PNGTS								Sch. 6, In 20
113 TGP Supply (Zone 4)								Sch. 6, In 21
114 Subtotal Pipeline Commodity Costs	\$ 3,507,201	\$ 2,838,907	\$ 2,684,834	\$ 2,501,006	\$ 2,656,109	\$ 2,409,248		\$ 16,597,306
115								
116 Storage:								
117 TGP Storage - Withdrawals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
118								
119 Produced Gas Costs:								
120 LNG Vapor								
121 Propane								
122 Subtotal Produced Gas Costs	\$ 36,890	\$ 35,618	\$ 36,890	\$ 35,346	\$ 29,896	\$ 30,113		\$ 204,753
123								
124 Less Storage Refills:								
125 LNG Truck								
126 Propane								
127 TGP Storage Refill								
128 Storage Refill (Trans.)								
129 Subtotal Storage Refill	\$ (2,074,263)	\$ (1,944,706)	\$ (2,016,504)	\$ (1,732,856)	\$ (1,532,294)	\$ (46,009)		\$ (9,346,632)
130								
131 Total Supply Commodity Costs	\$ 1,469,828	\$ 929,819	\$ 705,220	\$ 803,495	\$ 1,153,711	\$ 2,393,353		\$ 7,455,427
132								
133 C. Supply Volumetric Transportation Costs:								
134 Dawn Supply								
135 Niagara Supply								
136 TGP Supply (Zone 4)								
137 Dracut Supply 1 - Baseload								
138 Dracut Supply 2 - Swing								
139 Subtotal Pipeline Volumetric Trans. Costs	\$ 123,190	\$ 103,874	\$ 98,065	\$ 90,418	\$ 97,888	\$ 92,531		\$ 605,965
140								
141 TGP Storage - Withdrawals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
142								
143 Total Supply Volumetric Trans. Costs	\$ 123,190	\$ 103,874	\$ 98,065	\$ 90,418	\$ 97,888	\$ 92,531		\$ 605,965
144								
145 Total Commodity Gas & Trans. Costs	\$ 1,593,019	\$ 1,033,693	\$ 803,285	\$ 893,913	\$ 1,251,599	\$ 2,485,884		\$ 8,061,392
146								
147								

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Summary of Supply and Demand Forecast

5

6

7 For Month of:

148 D. Supply and Demand Costs by Source

149

150 Purchased Gas Demand Costs

151 Pipeline Gas Demand Costs

152 Peaking Gas Demand Costs

153 Subtotal Purchased Gas Demand Costs

154 Less Capacity Credit

155 Net Purchased Gas Demand Costs

156

157 Storage Gas Demand Costs

158 Storage Demand

159 Less Capacity Credit

160 Net Storage Demand Costs

161

162 Total Demand Costs

163

164 Purchased Gas Supply

165 Commodity Costs

166 Less Storage Inj.(TGP Storage)

167 Less Storage Transportation

168 Less LNG Truck

169 Less Propane Truck

170 Plus Transportation Costs

171 Subtotal Purchased Gas Supply

172

173 Storage Commodity Costs

174 Commodity Costs

175 Transportation Costs

176 Subtotal Storage Commodity Costs

177

178 Produced Gas Commodity Costs

179

180 Subtotal Commodity Costs

181

182 Hedge Contract (Savings)/Loss

183

184 Total Commodity Costs

185

186 Total Demand Costs

187 Total Supply Costs

188

189 Total Direct Gas Costs

190

191

	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Nov-14	Off Peak Period May - Oct REDACTED
\$ 862,358 \$ 862,323 \$ 862,358 \$ 862,358 \$ 862,323 \$ 862,358								\$ 5,174,076
\$ 862,358 \$ 862,323 \$ 862,358 \$ 862,358 \$ 862,323 \$ 862,358								\$ 5,174,076
(257,687) (257,677) (257,687) (257,687) (257,677) (257,687)								(1,546,103)
\$ 604,671 \$ 604,646 \$ 604,671 \$ 604,671 \$ 604,646 \$ 604,671								\$ 3,627,974
\$ - \$ - \$ - \$ - \$ - \$ -								\$ -
\$ - \$ - \$ - \$ - \$ - \$ -								\$ -
\$ 604,671 \$ 604,646 \$ 604,671 \$ 604,671 \$ 604,646 \$ 604,671								\$ 3,627,974
\$ 3,507,201 \$ 2,838,907 \$ 2,684,834 \$ 2,501,006 \$ 2,656,109 \$ 2,409,248								\$ 16,597,306
\$ 1,556,129 \$ 998,075 \$ 766,395 \$ 858,567 \$ 1,221,703 \$ 2,455,770								\$ 7,856,640
\$ - \$ - \$ - \$ - \$ - \$ -								\$ -
\$ - \$ - \$ - \$ - \$ - \$ -								\$ -
\$ 36,890 \$ 35,618 \$ 36,890 \$ 35,346 \$ 29,896 \$ 30,113								\$ 204,753
\$ 1,593,019 \$ 1,033,693 \$ 803,285 \$ 893,913 \$ 1,251,599 \$ 2,485,884								\$ 8,061,392
\$ (91,503) \$ - \$ - \$ - \$ - \$ (6,406)								\$ (97,909)
\$ 1,501,515 \$ 1,033,693 \$ 803,285 \$ 893,913 \$ 1,251,599 \$ 2,479,477								\$ 7,963,483
\$ 604,671 \$ 604,646 \$ 604,671 \$ 604,671 \$ 604,646 \$ 604,671								\$ 3,627,974
1,501,515 1,033,693 803,285 893,913 1,251,599 2,479,477								7,963,483
\$ 2,106,186 \$ 1,638,339 \$ 1,407,956 \$ 1,498,583 \$ 1,856,245 \$ 3,084,148								\$ 11,591,457

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

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3 Off Peak 2014 Summer Cost of Gas Filing

4 Contracts Ranked on a per Unit Cost Basis

	Supplier	Contract	Contract Type	Contract Unit	Unit Dth (MDQ/ACQ)	Off Peak Cost per Unit Dth
	(a)	(b)	(c)	(d)	(e)	(f)
9	Demand Costs					
10	Granite Ridge Demand		Peaking	MDQ	-	
11	Dominion - Capacity Reservation	GSS 300076	Storage	ACQ	102,700	
12	Tenn Gas Pipeline - Cap. Reservations	FS-MA	Storage	ACQ	1,560,391	
13	National Fuel - Capacity Reservation	FSS-1 2357	Storage	ACQ	670,800	
14	Niagara Supply		Supply	MDQ	3,199	
15	Tenn Gas Pipeline - Demand	FS-MA	Storage	MDQ	21,844	
16	Dominion - Demand	GSS 300076	Storage	MDQ	934	
17	National Fuel - Demand	FSS-1 2357	Storage	MDQ	6,098	
18	National Fuel	FST 2358	Transportation	MDQ	6,098	
19	Tenn Gas Pipeline	42076 FTA Z6-Z6	Transportation	MDQ	20,000	
20	Honeoye - Demand	SS-NY	Storage	MDQ	1,362	
21	Iroquois Gas Trans Service	RTS 470-01	Transportation	MDQ	4,047	
22	Tenn Gas Pipeline	2302 Z5-Z6	Transportation	MDQ	3,122	
23	Tenn Gas Pipeline (short haul)	11234 Z5-Z6(stg)	Transportation	MDQ	1,957	
24	Tenn Gas Pipeline (short haul)	8587 Z4-Z6	Transportation	MDQ	3,811	
25	Tenn Gas Pipeline (short haul)	632 Z4-Z6 (stg)	Transportation	MDQ	15,265	
26	Tenn Gas Pipeline (short haul)	11234 Z4-Z6(stg)	Transportation	MDQ	7,082	
27	Tenn Gas Pipeline (Concord Lateral) Z6-Z6	72694 Z6-Z6	Transportation	MDQ	30,000	
28	ANE (TransCanada via Union to Iroquois)	Union Parkway to Iroquois	Transportation	MDQ	4,047	
29	Tenn Gas Pipeline	95346 Z5-Z6	Transportation	MDQ	4,000	
30	Tenn Gas Pipeline (long haul)	8587 Z1-Z6	Transportation	MDQ	14,561	
31	Tenn Gas Pipeline (long haul)	8587 Z0-Z6	Transportation	MDQ	7,035	
32	Portland Natural Gas Trans Service	FT-1999-001	Transportation	MDQ	1,000	
33						
34	Supply Costs - Commodity					
35	TGP Supply (Zone 4)		Pipeline	Dkt	3,488,839	
36	Niagara Supply		Pipeline	Dkt	94,089	
37	TGP Supply (Direct)		Pipeline	Dkt	-	
38	LNG Truck		Pipeline	Dkt	16,724	
39	Dawn Supply		Pipeline	Dkt	55,149	
40	Dracut Supply 1 - Baseload		Pipeline	Dkt	-	
41	Dracut Supply 2 - Swing		Pipeline	Dkt	-	
42	TGP Citygate Supply		Pipeline	Dkt	-	
43	PNGTS		Pipeline	Dkt	13,170	
44	Propane		Pipeline	Dkt	-	
45	LNG Vapor (Storage)		Produced	Dkt	11,985	
46						
47	Supply Costs - Volumetric Transportation					
48	Dracut Supply 2 - Swing		Pipeline	Dkt	-	
49	Dracut Supply 1 - Baseload		Pipeline	Dkt	-	
50	TGP Supply (Zone 4)		Pipeline	Dkt	-	
51	Niagara Supply		Pipeline	Dkt	94,089	
52	Dawn Supply		Storage	Dkt	55,149	
53						
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1 Liberty Utilities (Energy/North Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 COG (Over)/Under Cumulative Recovery Balances and Interest Calculation

5	Prior Period Balance																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Calculation of COG with Interest

Beginning Balance																		
\$ (440,205)																		
Forecast Direct Gas Costs		In 11																
Prod Storage & Misc Overhead		In 12																
Projected Revenues with Int.		In 13																
Projected Unbilled Revenue		In 52 * 64																
Reverse Prior Month Unbilled		In 56 * 64																
Add Net Adjustments		In 17																
Gas Cost Billed		In 18																
Reverse Prior Month Unbilled																		
Add Interest		In 24																
(Over)/Under Balance																		
Average Monthly Balance																		
Interest Applied		In 22 * In 44 / 365 * Days/Mo.																
(Over)/Under Balance		In 41 * In 42 + In 46																
\$ (1,146,406)																		

Forecast Sendout Therms	Sch 1																	
Less Forecast Billing Therm Sales	Sch. 10B, In 23 May - Oct																	
Less Forecast Unaccounted For	Sch 1																	
Less Forecast Company Use	Sch 1																	
Unbilled Volumes																		
Gross Unbilled																		
Beg Balance																		
Incremental																		
Ending Balance																		
COG w/o Interest	Sch. 3, pg. 4, In 209 col. (c)																	
COG With Interest	Sch. 3, pg. 4, In 209 col. (d)																	

Beginning Balance for Acct 1920-1741, per Schedule 1, page 2, line 23, October 2012 column, as filed in the DG 12-067 Summer Cost of Gas Reconciliation, filed on 2/28/2013.

Gas Cost Billed Acct 1920-1741, per Schedule 1, page 2, line 11, November 2012 column, as filed in the DG 12-067 Summer Cost of Gas Reconciliation, filed on 2/28/2013.

1 Liberty Utilities (Energy/North Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 COG (Over)/Under Cumulative Recovery Balances and Interest Calculation

		May-14 31	Jun-14 30	Jul-14 31	Aug-14 31	Sep-14 30	Oct-14 31	Nov-14 30	Off Peak Period Total
		(l)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
69	Prior Period Balance								
70	Plus Nov Collections								
71	October 31, 2013								
72	(a)								
73	(b)								
74	Account 8840-2-0000-10-1163-1424 (formerly, 142-40) Working Capital (Over)/Under Balance - Interest Calculation								
75	Beginning Balance	\$ (562) \$	(634) \$	(444) \$	(185) \$	98 \$	290 \$	388 \$	45 \$
76	Account 1163-1424 1/								
77	Days Lag	0.0391	0.0391	0.0391	0.0391	0.0391	0.0391	0.0391	0.0391
78	Prime Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%
79	Forecast Working Capital	2.677	2.082	1.789	1.905	2.359	3.920	-	14,731
80	In 32 * In 78 / 365 * In 79								
81	Projected Revenues w/o Int.	(1,238)	(3,238)	(1,602)	(1,316)	(2,130)	(2,852)	(2,852)	(13,769)
82	Projected Unbilled Revenue	(1,509)	(1,509)	(89)	(395)	(1,169)	(2,861)	(2,861)	(6,184)
83	Reverse Prior Month Unbilled								
84	Add Net Adjustments								
85	(599)								
86	Working Capital Billed								
87	Account 1163-1424 2/								
88	Monthly (Over)/Under Recovery	\$ (597) \$	(538) \$	(314) \$	(43) \$	194 \$	339	388 \$	408
89	Average Monthly Balance	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
90	Interest Rate	(2) \$	(1) \$	(1) \$	(0) \$	1 \$	1 \$	1 \$	(11)
91	Interest Applied								
92	(Over)/Under Balance	\$ (634) \$	(444) \$	(185) \$	98 \$	290 \$	388 \$	398	397
93									
94									
95									
96									
97									
98									
99									
100	Calculation of Working Capital with Interest								
101	Beginning Balance	\$ (562) \$	(634) \$	(444) \$	(185) \$	97 \$	290 \$	388 \$	45 \$
102	Forecast Working Capital	2.677	2.082	1.789	1.905	2.359	3.920	-	14,731
103	In 80	(1,238)	(3,238)	(1,602)	(1,316)	(2,130)	(2,852)	(2,852)	(13,769)
104	Projected Rec. with interest	(1,509)	(1,509)	(89)	(395)	(1,169)	(2,861)	(2,861)	(6,184)
105	Reverse Prior Month Unbilled								
106	Add Net Adjustments								
107	Working Capital Billed								
108	Reverse WC Unbilled								
109	Add Interest	(2) \$	(1) \$	(1) \$	(0) \$	1 \$	1 \$	1 \$	(3) \$
110	Monthly (Over)/Under Recovery	\$ (598) \$	(539) \$	(314) \$	(44) \$	194 \$	339	388 \$	406
111	Average Monthly Balance	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
112	Interest Rate	(2) \$	(1) \$	(1) \$	(0) \$	1 \$	1 \$	1 \$	(11)
113	Interest Applied								
114	(Over)/Under Balance	\$ (634) \$	(444) \$	(185) \$	97 \$	290 \$	388 \$	397	397
115									
116									
117									
118									
119									
120									
121	Forecast Therm Sales	1,768,175	4,626,043	2,288,364	1,880,713	1,990,451	3,042,184	4,074,226	19,670,156
122	Unbilled Therm	2,156,056	230,589	127,325	563,849	1,669,700	4,067,167	12,941	
123	Working Cap. Rate w/out Int.	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007
124	Sch. 3, pg. 4, In 226 col. (c)								
125	Working Capital Rate w/Int.	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007
126	Sch. 3, pg. 4, In 226 col. (d)								
127 1/	Beginning Balance for Act 1163-1424, per Schedule 5, page 2, line 16, October 2012 column, as filed in the DG 12-067 Summer Cost of Gas Reconciliation, filed on 2/28/2013.								
128 2/	Gas Cost Billed Act 1163-1424, per Schedule 5, page 2, line 8, November 2012 column, as filed in the DG 12-067 Summer Cost of Gas Reconciliation, filed on 2/28/2013.								

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.
3 Off Peak 2014 Summer Cost of Gas Filing
4 COG (Over)/Under Cumulative Recovery Balances and Interest Calculation

193	COG Rate Without Interest	COG Rate With Interest
194	(a)	(d)
195	(Over)/Under Recovery Balance In 11, col. (d)	\$ (1,146,406)
196	Unadjusted Forecast of Gas Costs In 12, col. (q)	11,591,457
197	Production & Storage and Misc. Ove In 13, col. (q)	1,990,797
198	Adjustments In 17, col. (q)	-
199	Interest May - Oct In 46, col. (q)	\$ (27,220)
200	Total Gas To Be Recovered	\$ 12,408,628
201	Forecast Gas Sales (May - Oct) In 52, col. (q)	19,670,156
202	Preliminary COG Rate In 205 / 207	\$0.6308
203		
204	Working Capital Rate without Interest	Working Capital Rate with Interest
205	(a)	(d)
206	(Over)/Under Recovery Balance In 76, col. (q)	\$ (554)
207	Unadjusted Working Capital Forecast In 80, col. (q)	14,731
208	Adjustments without Interest In 86, col. (q)	-
209	Interest May - Oct In 117, col. (q)	\$ (11)
210	Total Gas To Be Recovered	\$ 14,166
211	Forecast Gas Sales In 51, col. (q)	19,670,156
212	Preliminary Working Capital COG Rtn 222 / 224	\$0.0007
213		
214	Bad Debt Rate without Interest	Bad Debt Rate with Interest
215	(a)	(c)
216	(Over)/Under Recovery Balance In 142, col. (q)	\$ -
217	Unadjusted Bad Debt Forecast In 144, col. (q)	207,093
218	Adjustments without Interest In 151, col. (q)	-
219	Interest May - Oct In 178, col. (q)	\$ (20)
220	Total Gas To Be Recovered	\$ 207,093
221	Forecast Gas Sales (May - Oct) In 51, col. (q)	19,670,156
222	Preliminary Bad Debt COG Rate In 239 / 241	\$0.0105
223		

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1. Liberty Utilities (EnergyNorth Natural Gas) Corp.

3. Off Peak 2014 Summer Cost of Gas Filing

4. Demand Costs

	(a)	Peak (b)	Reference (c)	May-14 (d)	Jun-14 (e)	Jul-14 (f)	Aug-14 (g)	Sep-14 (h)	Oct-14 (i)	Off Peak May - Oct Total (j)	Peak May - Oct Total (k)
11 Supply											
12 Niagara Supply			Sch 5B, In 9 * Sch 5C In 9 x days								
13 Subtotal Supply Demand & Reservation Charges											
14											
15 Pipeline											
16 Iroquois Gas Trans Service RTS 470-0			Sch 5B, In 12 * Sch 5C In 12 x days								
17 Tenn Gas Pipeline 95346 Z5-Z6			Sch 5B, In 13 * Sch 5C In 14 x days								
18 Tenn Gas Pipeline 2302 Z5-Z6			Sch 5B, In 14 * Sch 5C In 16 x days								
19 Tenn Gas Pipeline 8587 Z0-Z6			Sch 5B, In 15 * Sch 5C In 18 x days								
20 Tenn Gas Pipeline 8587 Z1-Z6			Sch 5B, In 16 * Sch 5C In 20 x days								
21 Tenn Gas Pipeline 8587 Z4-Z6			Sch 5B, In 17 * Sch 5C In 22 x days								
22 Tenn Gas Pipeline (Dracut) 42076 Z6-Z6			Sch 5B, In 18 * Sch 5C In 24 x days								
23 Tenn Gas Pipeline (Concord Lateral) Z6-Z6			Sch 5B, In 19 * Sch 5C In 26 x days								
24 Portland Natural Gas Trans Service			Sch 5B, In 20 * Sch 5C In 28 x days								
25 ANE (TransCanada via Union to Iroquois)		peak	Sch 5B, In 21 * Sch 5C In 44 x days								
26 Tenn Gas Pipeline Z4-Z6 stg 632		peak	Sch 5B, In 22 * Sch 5C In 30 x days								
27 Tenn Gas Pipeline Z4-Z6 stg 11234		peak	Sch 5B, In 23 * Sch 5C In 32 x days								
28 Tenn Gas Pipeline Z5-Z6 stg 11234		peak	Sch 5B, In 24 * Sch 5C In 34 x days								
29 National Fuel FST 2358		peak	Sch 5B, In 25 * Sch 5C In 36 x days								
30											
31 Subtotal Pipeline Demand Charges				\$ 1,085,935	\$ 1,085,935	\$ 1,085,935	\$ 1,085,935	\$ 1,085,935	\$ 1,085,935	\$ 5,167,602	\$ 1,348,007
32											
33 Peaking Supply											
34 Tenn Gas Pipeline (Concord Lateral) Z6-Z6	peak		Sch 5B, In 28 * Sch 5C In 26 x days								
35 Granite Ridge Demand	peak		Sch 5B, In 29 * Sch 5C In 47 x days								
36 DOMAC Demand NSB041	peak		Per Contract								
37 Subtotal Peaking Demand Charges											
38											
39 Subtotal Supply, Pipeline & Peaking			In 13 + In 31 + In 37	\$ 1,403,446	\$ 1,403,410	\$ 1,403,446	\$ 1,403,446	\$ 1,403,410	\$ 1,403,446	\$ 5,174,076	\$ 3,246,527
40											
41 Less Transportation Capacity Credit				\$ (419,374)	\$ (419,363)	\$ (419,374)	\$ (419,374)	\$ (419,363)	\$ (419,374)	\$ (1,546,103)	\$ (970,118)
42											
43 Total Supply, Pipeline & Peaking Demand				\$ 984,072	\$ 984,047	\$ 984,072	\$ 984,072	\$ 984,047	\$ 984,072	\$ 3,627,974	\$ 2,276,409
44											

1. Liberty Utilities (EnergyNorth Natural Gas) Corp.

3. Off Peak 2014 Summer Cost of Gas Filing

4. Demand Costs

	(a)	Peak (b)	Reference (c)	May-14 (d)	Jun-14 (e)	Jul-14 (f)	Aug-14 (g)	Sep-14 (h)	Oct-14 (i)	Off Peak May - Oct Total (j)	Peak May - Oct Total (k)
45	Storage										
46	Dominion - Demand	peak	Sch 5B, In 33 * Sch 5C In 51 x days	\$ 1,733	\$ 1,733	\$ 1,733	\$ 1,733	\$ 1,733	\$ 1,733	\$ -	\$ 10,397
47	Dominion - Storage	peak	Sch 5B, In 34 * Sch 5C In 52 x days	1,489	1,489	1,489	1,489	1,489	1,489	-	8,935
48	Honeyye - Demand	peak	Sch 5B, In 35 * Sch 5C In 55 x days	8,744	8,744	8,744	8,744	8,744	8,744	-	52,466
49	National Fuel - Demand	peak	Sch 5B, In 37 * Sch 5C In 57 x days	15,139	15,139	15,139	15,139	15,139	15,139	-	90,833
50	National Fuel - Capacity	peak	Sch 5B, In 38 * Sch 5C In 58 x days	25,557	25,557	25,557	25,557	25,557	25,557	-	153,345
51	Tenn Gas Pipeline - Demand	peak	Sch 5B, In 39 * Sch 5C In 61 x days	33,640	33,640	33,640	33,640	33,640	33,640	-	201,839
52	Tenn Gas Pipeline - Capacity	peak	Sch 5B, In 40 * Sch 5C In 62 x days	32,924	32,924	32,924	32,924	32,924	32,924	-	197,546
53											
54	Subtotal Storage Demand Costs			\$ 119,227	\$ 119,227	\$ 119,227	\$ 119,227	\$ 119,227	\$ 119,227	\$ -	\$ 715,361
55				\$ (35,627)	\$ (35,627)	\$ (35,627)	\$ (35,627)	\$ (35,627)	\$ (35,627)	\$ -	\$ (213,762)
56	Less Transportation Capacity Credit										
57											
58	Total Storage Demand Costs		In 54 + In 56	\$ 83,600	\$ 83,600	\$ 83,600	\$ 83,600	\$ 83,600	\$ 83,600	\$ -	\$ 501,599
59											
60	Total Demand Charges		In 39 + In 54	\$ 1,522,672	\$ 1,522,637	\$ 1,522,672	\$ 1,522,672	\$ 1,522,637	\$ 1,522,672	\$ 5,174,076	\$ 3,961,888
61											
62	Total Transportation Capacity Credit		In 41 + In 56	\$ (455,001)	\$ (454,990)	\$ (455,001)	\$ (455,001)	\$ (454,990)	\$ (455,001)	\$ (1,546,103)	\$ (1,183,880)
63											
64	Total Demand Charges less Cap. Cr.		In 60 + In 62	\$ 1,067,672	\$ 1,067,647	\$ 1,067,672	\$ 1,067,672	\$ 1,067,647	\$ 1,067,672	\$ 3,627,974	\$ 2,778,008
65											
66											
67	Monthly Off Peak Demand			\$ 862,358	\$ 862,323	\$ 862,358	\$ 862,358	\$ 862,323	\$ 862,358	\$ 5,174,076	\$ -
68	Monthly Off Peak Transportation Cap Credit			(257,687)	(257,677)	(257,687)	(257,687)	(257,677)	(257,687)	(1,546,103)	-
69	Total Off Peak Demand			\$ 604,671	\$ 604,646	\$ 604,671	\$ 604,671	\$ 604,646	\$ 604,671	\$ 3,627,974	\$ -
70											
71	Monthly Peak Demand			\$ 660,315	\$ 660,315	\$ 660,315	\$ 660,315	\$ 660,315	\$ 660,315	\$ -	\$ 3,961,888
72	Monthly Peak Transportation Cap Credit			(197,313)	(197,313)	(197,313)	(197,313)	(197,313)	(197,313)	-	(1,183,880)
73	Total Peak Demand			\$ 463,001	\$ 463,001	\$ 463,001	\$ 463,001	\$ 463,001	\$ 463,001	\$ -	\$ 2,778,008

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1 **Liberty Utilities (EnergyNorth Natural Gas) Corp.**3 **Off Peak 2014 Summer Cost of Gas Filing**4 **Demand Volumes**

	(a)	Peak (b)	Reference (c)	May-14 (d)	Jun-14 (e)	Jul-14 (f)	Aug-14 (g)	Sep-14 (h)	Oct-14 (i)
8 Supply	Niagara Supply			3,199	3,199	3,199	3,199	3,199	3,199
11 Pipeline									
12	Iroquois Gas Trans Service		RTS 470-01	4,047	4,047	4,047	4,047	4,047	4,047
13	Tenn Gas Pipeline		95346 Z5-Z6	4,000	4,000	4,000	4,000	4,000	4,000
14	Tenn Gas Pipeline		2302 Z5-Z6	3,122	3,122	3,122	3,122	3,122	3,122
15	Tenn Gas Pipeline (long haul)		8587 Z0-Z6	7,035	7,035	7,035	7,035	7,035	7,035
16	Tenn Gas Pipeline (long haul)		8587 Z1-Z6	14,561	14,561	14,561	14,561	14,561	14,561
17	Tenn Gas Pipeline (short haul)		8587 Z4-Z6	3,811	3,811	3,811	3,811	3,811	3,811
18	Tenn Gas Pipeline		42076 FTA Z6-Z6	20,000	20,000	20,000	20,000	20,000	20,000
19	Tenn Gas Pipeline (Concord Lateral)		72694 Z6-Z6	4,000	4,000	4,000	4,000	4,000	4,000
20	Portland Natural Gas Trans Service		FT-1999-001	1,000	1,000	1,000	1,000	1,000	1,000
21	ANE (TransCanada via Union to Iroquois)		Union Parkway to Iroquois	4,047	4,047	4,047	4,047	4,047	4,047
22	Tenn Gas Pipeline (short haul)	peak	632 Z4-Z6 (stg)	15,265	15,265	15,265	15,265	15,265	15,265
23	Tenn Gas Pipeline (short haul)	peak	11234 Z4-Z6(stg)	7,082	7,082	7,082	7,082	7,082	7,082
24	Tenn Gas Pipeline (short haul)	peak	11234 Z5-Z6(stg)	1,957	1,957	1,957	1,957	1,957	1,957
25	National Fuel	peak	FST 2358	6,098	6,098	6,098	6,098	6,098	6,098
27 Peaking									
28	Tenn Gas Pipeline (Concord Lateral)	peak		26,000	26,000	26,000	26,000	26,000	26,000
29	Granite Ridge Demand	peak		0	0	0	0	0	0
30	DOMAC Liquid Demand Charge	peak	NSB041						
32 Storage									
33	Dominion - Demand	peak	GSS 300076	934	934	934	934	934	934
34	Dominion - Capacity Reservation	peak	GSS 300076	102,700	102,700	102,700	102,700	102,700	102,700
35	Honeoye - Demand	peak	SS-NY	1,362	1,362	1,362	1,362	1,362	1,362
36	Honeoye - Capacity	peak	SS-NY	245,280	245,280	245,280	245,280	245,280	245,280
37	National Fuel - Demand	peak	FSS-1 2357	6,098	6,098	6,098	6,098	6,098	6,098
38	National Fuel - Capacity Reservation	peak	FSS-1 2357	670,800	670,800	670,800	670,800	670,800	670,800
39	Tenn Gas Pipeline - Demand	peak	FS-MA	21,844	21,844	21,844	21,844	21,844	21,844
40	Tenn Gas Pipeline - Cap. Reservations	peak	FS-MA	1,560,391	1,560,391	1,560,391	1,560,391	1,560,391	1,560,391

1 Liberty Utilities (Energy/North Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Demand Rates

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6 Tariff Rates

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8 Supply

9 Niagara Supply

10

11 Pipeline

12 Iroquois Gas Trans Service RTS 470-01 \$6.5971 First Revised Sheet No. 4

13 13 Tenn Gas Pipeline 95346 Z5-Z6 \$7.3560 Sixth Rev Sheet No.14

14 15 Tenn Gas Pipeline 2302 Z5-Z6 \$7.3560 Sixth Rev Sheet No.14

15 16 Tenn Gas Pipeline 8587 Z0-Z6 \$23.9133 Sixth Rev Sheet No.14

16 17 Tenn Gas Pipeline 8587 Z1-Z6 \$21.2245 Sixth Rev Sheet No.14

17 18 Tenn Gas Pipeline 8587 Z4-Z6 \$8.3778 Sixth Rev Sheet No.14

18 19 TGP Dracut 42076 FTA Z6-Z6 \$4.8698 Sixth Rev Sheet No.14

19 20 TGP Concord Lateral 72694 Z6-Z6 \$12.1700 Per contract

20 21 Portland Natural Gas FT-1999-001 \$40.2456 Part 4.1 v.4.0.0

21 22 Tenn Gas Pipeline 632 Z4-Z6 (stg) \$8.3778 Sixth Rev Sheet No.14

22 23 Tenn Gas Pipeline 11234 Z4-Z6(stg) \$8.3778 Sixth Rev Sheet No.14

23 24 Tenn Gas Pipeline 11234 Z5-Z6(stg) \$7.3560 Sixth Rev Sheet No.14

24 25 National Fuel FST 2358 \$3.7805 4.010 Version 9.0.0 Pg 1

25 26 ANE Union Gas \$2.3820

26 27 TransCanada Pipelines Limited \$9.24034 Union Parkway to Iroquois

27 28 Delivery Pressure Demand Charge 0.4366 Union Parkway to Iroquois

28 29 Sub Total Demand Charges 12.0590

29 30 Conversion rate GJ to MMBTU 1.0551

30 31 Conversion rate to US\$ 0.8998 updated 3/4/14

31 32 Demand Rate/US\$ \$14.1403

32 Peaking

33 Granite Ridge Demand

34 DOMAC Demand NSB041

35

36 Storage

37 51 Dominion - Demand GSS 300076 \$1.8553 Rec No 10.30 Ver 11.0.0

38 52 Dominion - Capacity GSS 300076 \$0.0145 Rec No 10.30 Ver 11.0.0

39 53 Honeoye - Demand SS-NY \$6.4187 Sub 1st Rev Sheet No. 5

40 54 National Fuel - Demand FSS-1 2357 \$2.4826 4.020 Version 6.0.0 Pg 1

41 55 National Fuel - Capacity FSS-1 2357 \$0.0381 4.020 Version 6.0.0 Pg 1

42 56 Tenn Gas Pipeline FS-MA \$1.5400 Eighth Rev Sheet No.61

43 57 Tenn Gas Pipeline - Space FS-MA \$0.0211 Eighth Rev Sheet No.61

44 58 \$1.5611

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REDACTED

May-14 31 Unit Rate Jun-14 30 Unit Rate Jul-14 31 Unit Rate Aug-14 31 Unit Rate Sep-14 30 Unit Rate Oct-14 31 Unit Rate May - Oct 184 Avg Rate

\$0.2128 \$0.2199 \$0.2128 \$0.2128 \$0.2199 \$0.2128 \$0.2128 \$0.2152

\$0.4746 \$0.4904 \$0.4746 \$0.4746 \$0.4904 \$0.4746 \$0.4746 \$0.4799

\$0.2373 \$0.2452 \$0.2373 \$0.2373 \$0.2452 \$0.2373 \$0.2373 \$0.2399

\$0.7714 \$0.7971 \$0.7714 \$0.7714 \$0.7971 \$0.7714 \$0.7714 \$0.7800

\$0.6847 \$0.7075 \$0.6847 \$0.6847 \$0.7075 \$0.6847 \$0.6847 \$0.6923

\$0.2703 \$0.2793 \$0.2703 \$0.2703 \$0.2793 \$0.2703 \$0.2703 \$0.2733

\$0.1571 \$0.1623 \$0.1571 \$0.1571 \$0.1623 \$0.1571 \$0.1571 \$0.1588

\$0.3926 \$0.4057 \$0.3926 \$0.3926 \$0.4057 \$0.3926 \$0.3926 \$0.3969

\$1.2982 \$1.3415 \$1.2982 \$1.2982 \$1.3415 \$1.2982 \$1.2982 \$1.3127

\$0.2703 \$0.2793 \$0.2703 \$0.2703 \$0.2793 \$0.2703 \$0.2703 \$0.2733

\$0.2703 \$0.2793 \$0.2703 \$0.2703 \$0.2793 \$0.2703 \$0.2703 \$0.2733

\$0.2373 \$0.2452 \$0.2373 \$0.2373 \$0.2452 \$0.2373 \$0.2373 \$0.2399

\$0.1220 \$0.1260 \$0.1220 \$0.1220 \$0.1260 \$0.1220 \$0.1220 \$0.1233

\$0.4561 \$0.4713 \$0.4561 \$0.4561 \$0.4713 \$0.4561 \$0.4561 \$0.4612

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APPLICABLE TO SETTLING PARTIES PURSUANT TO THE MARCH 29, 2005, STIPULATION
IN DOCKET NOS. RP97-406, RP00-15, RP00-344 and RP00-632

(FOR RATES APPLICABLE TO SEVERED PARTIES IN THE ABOVE REFERENCED DOCKETS SEE TARIFF RECORD 10.31)

RATES APPLICABLE TO RATE SCHEDULES IN
FERC GAS TARIFF, VOLUME NO. 1
(\$ per DT)

Rate Schedule (1)	Rate Component (2)	Base Tariff Rate [1] (3)	Current Acct 858 Base (4)	Current EPCA Base (5)	TCRA [5] Surcharge (6)	EPCA [6] Surcharge (7)	Current Rate [7] (8)	FERC ACA (9)
GSS [2], [4]								
	Storage Demand	\$1.7984	\$0.0675	\$0.0019	(\$0.0057)	(\$0.0068)	\$1.8553	✓ -
	Storage Capacity	\$0.0145	-	-	-	-	\$0.0145	✓ -
	Injection Charge	\$0.0154	-	\$0.0123	\$0.0000	\$0.0016	\$0.0293	✓ -
	Withdrawal Charge	\$0.0154	-	-	\$0.0000	\$0.0016	\$0.0170	✓ [8]
	GSS-TE Surcharge [3]	-	\$0.0046	-	\$0.0001	-	\$0.0047	-
	From Customers Balance	\$0.6163	\$0.0148	\$0.0004	(\$0.0012)	\$0.0001	\$0.6304	[8]
GSS-E [2], [4]								
	Storage Demand	\$2.2113	\$0.0675	\$0.0019	(\$0.0057)	(\$0.0068)	\$2.2682	-
	Storage Capacity	\$0.0369	-	-	-	-	\$0.0369	-
	Injection Charge	\$0.0154	-	\$0.0123	\$0.0000	\$0.0016	\$0.0293	-
	Withdrawal Charge	\$0.0154	-	-	\$0.0000	\$0.0016	\$0.0170	[8]
	Authorized Overruns	\$1.0657	\$0.0148	\$0.0004	(\$0.0012)	\$0.0001	\$1.0798	[8]
ISS [2]								
	ISS Capacity	\$0.0736	\$0.0022	\$0.0001	(\$0.0002)	(\$0.0002)	\$0.0755	-
	Injection Charge	\$0.0154	-	\$0.0123	\$0.0000	\$0.0016	\$0.0293	-
	Withdrawal Charge	\$0.0154	-	-	\$0.0000	\$0.0016	\$0.0170	[8]
	Authorized Overrun/from Cust. Bal	\$0.6163	\$0.0148	\$0.0004	(\$0.0012)	\$0.0001	\$0.6304	[8]
	Excess Injection Charge	\$0.2245	-	\$0.0123	\$0.0000	\$0.0016	\$0.2384	-

[1] The base tariff rate is the effective rate on file with the FERC, excluding adjustments approved by the Commission.

[2] Storage Service Fuel Retention Percentage is 2.28% plus Adders of 0.28% (RP00-632 S&A approved 9/13/01) totaling 2.56%.

[3] Applies to withdrawals made under Rate Schedule GSS, Section 5.1.G.

[4] Daily Capacity Release Rate for GSS per Dt is \$0.6134. Daily Capacity Release Rate for GSS-E per Dt is \$1.0628.

[5] 858 over/under from previous TCRA period.

[6] Electric over/under from previous EPCA period.

[7] The Current Rate shall be increased for the Annual Charge Adjustment (ACA) as applicable.

[8] The applicable ACA rate is set forth on the FERC website (<http://www.ferc.gov/industries/gas/annual-charges.asp>).

subject to an allowable variation of not more than one percent above or below the aggregate of said scheduled daily deliveries of said month.

The amount of gas in storage for Buyer's account at any time (exclusive of Buyer's share of cushion gas) shall be Buyer's Gas Storage Balance at that time and shall not exceed Buyer's Maximum Quantity Stored (MQS).

Seller shall be ready at all times to deliver to Buyer, and Buyer shall have the right at all times to receive from Seller, natural gas up to the MDWQ Seller is obligated to deliver to Buyer on that day.

Buyer's MQS, Buyer's MDWQ and Buyer's ADWQ shall be specified in the Gas Storage Agreement providing for service under this Rate Schedule.

3. RATE

Buyer shall pay Seller for each month of the year during the term of the Gas Storage Agreement a Demand Charge which shall be six dollars and forty one point eight seven cents per MMBTU (\$6.4187/MMBTU)** multiplied by the ADWQ as provided for in the Gas Storage Agreement.

4. MINIMUM BILL

The Minimum Bill for each month shall consist of the Demand Charge for the ADWQ as defined in Article 3.

5. COMPRESSOR FUEL ALLOWANCE

Buyer will make available without charge to Seller such additional quantities of gas as needed by Seller for

** The Demand Charge Rate set forth in individual service agreements shall be deemed to have been converted to a thermal billing basis utilizing a factor of 1022/MMBTU per 1 MCF as adjusted pursuant to Section III of the General Terms & Conditions, provided however, the total Maximum Quantity Stored in the field shall not exceed 4.8 BCF and provided that each Buyer shall receive its allowable share of same.

Hondale

Contract Summary

General Information

Contract Number EN-11234	Customer Energy North Natural Gas Inc.	Contract Type Firm
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Contract Dates

Effective Date (mm/dd/yy) 05/01/10	Termination Date (mm/dd/yy) 01/01/20
--	--

Transaction Types and Rates

Transaction Type	Volumetric Charge	Other Rate	Fuel %	Invoice Qty Type
Storage Injection	\$ 0.0000	\$ 0.0000	0	Sch Qty
Transaction Type	Volumetric Charge	Other Rate	Fuel %	Invoice Qty Type
Storage Withdrawal	\$ 0.0000	\$ 0.0000	0	Sch Qty
Transaction Type	Volumetric Charge	Other Rate	Fuel %	Invoice Qty Type
Authorized Injection Overrun	\$ 0.0000	\$ 0.0000	0	Sch Qty
Transaction Type	Volumetric Charge	Other Rate	Fuel %	Invoice Qty Type
Authorized Withdrawal Overrun	\$ 0.0000	\$ 0.0000	0	Sch Qty

Storage and Other Rates

☐ Use Monthly Storage Rate (\$/Dth/Month)

Monthly Storage Rate Table

From	To
05/01/10	01/01/20

☒ Use Monthly Flat Fee (\$/Month)

Monthly Flat Storage Fee Table

From	To
05/01/10	01/01/20

Rate
8,744.39

☐ Use Daily Storage Rate (\$/Dth/Day)

☐ Use Injection Deliverability Rate

☐ Use Withdrawal Deliverability Rate

Rate	Amount
0	
0	0
0	0

----- RATES (All in \$ Per Dth) -----									
		Non-Settlement Recourse & Eastchester Initial Rates 3/		----- Settlement Recourse Rates -----		----- Applicable to Non-Eastchester/Non-Contesting Shippers 2/ -----			
	Minimum	Effective 1/1/2003	Effective 7/1/2004	Effective 1/1/2005	Effective 1/1/2006	Effective 1/1/2007			
RTS DEMAND:									
Zone 1	\$0.0000	\$7.5637	\$6.9586	\$6.8514	\$6.7788	\$6.5971			
Zone 2	\$0.0000	\$6.4976	\$5.9778	\$5.8857	\$5.8233	\$5.6673			
Inter-Zone	\$0.0000	\$12.7150	\$11.6978	\$11.5177	\$11.3956	\$11.0902			
Zone 1 (MFV) 1/	\$0.0000	\$5.3607	\$4.9318	\$4.8559	\$4.8044	\$4.6757			
RTS COMMODITY:									
Zone 1	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030			
Zone 2	\$0.0024	\$0.0024	\$0.0024	\$0.0024	\$0.0024	\$0.0024			
Inter-Zone	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054			
Zone 1 (MFV) 1/	\$0.0300	\$0.1506	\$0.1386	\$0.1364	\$0.1350	\$0.1314			
ITS COMMODITY:									
Zone 1	\$0.0030	\$0.2517	\$0.2318	\$0.2283	\$0.2259	\$0.2199			
Zone 2	\$0.0024	\$0.2160	\$0.1989	\$0.1959	\$0.1938	\$0.1887			
Inter-Zone	\$0.0054	\$0.4234	\$0.3900	\$0.3840	\$0.3800	\$0.3700			
Zone 1 (MFV) 1/	\$0.0300	\$0.3268	\$0.3007	\$0.2960	\$0.2929	\$0.2850			
MAXIMUM VOLUMETRIC CAPACITY RELEASE RATE 4/:									
Zone 1	\$0.0000	\$0.2487	\$0.2288	\$0.2253	\$0.2229	\$0.2169			
Zone 2	\$0.0000	\$0.2136	\$0.1965	\$0.1935	\$0.1915	\$0.1863			
Inter-Zone	\$0.0000	\$0.4180	\$0.3846	\$0.3787	\$0.3746	\$0.3646			
Zone 1 (MFV) 1/	\$0.0000	\$0.1762	\$0.1621	\$0.1596	\$0.1580	\$0.1537			

**SEE SHEET NO. 4A FOR ADJUSTMENTS TO RATES WHICH MAY BE APPLICABLE

(Footnotes continued on Sheet 4.01)

-
- 1/ As authorized pursuant to order of the Federal Energy Regulatory Commission, Docket Nos. RS92-17-003, et al., dated June 18, 1993 (63 FERC para. 61,285).
 - 2/ Settlement Recourse Rates were established in Iroquois' Settlement dated August 29, 2003, which was approved by Commission order issued Oct. 24, 2003, in Docket No. RP03-589-000. That Settlement also established a moratorium on changes to the Settlement Rates until January 1, 2008, defines the Non-Eastchester/Non-Contesting parties to which it applies, and provides that Iroquois' TCRA will be terminated on July 1, 2004.
 - 3/ See Sections 1.2 and 4.3 of the Settlement referenced in footnote 2. As directed by the Commission's January 30, 2004 Order in Docket No. RP04-136, the Eastchester Initial Rates apply for service to Eastchester Shippers prior to the July 1, 2004 effective date of the rates set forth on Sheet No. 4C.
 - 4/ No rate cap shall apply to any capacity releases with terms of less than or equal to one year pursuant to FERC Order Nos. 712 et al.

RATES FOR TRANSPORTATION SERVICES

Rate Sch. (1)	Rate Component ^{1/} (2)		Base Rate (3)	TSCA (4)	TSCA Surch. (5)	Current Rate ^{2/} (6)
FT/FT-S						
	Reservation	(Max)	\$3.7805	-	-	\$ 3.7805
		(Min)	0.0000	-	-	\$0.0000
	Commodity	(Max)	0.0135	-	-	\$0.0135 plus ACA ^{3/}
		(Min)	0.0135	-	-	\$0.0135 plus ACA ^{3/}
	Overrun	(Max)	0.1378	-	-	\$0.1378 plus ACA ^{3/}
		(Min)	0.0135	-	-	\$0.0135 plus ACA ^{3/}
	Maximum Volumetric Rate		0.1378	-	-	\$0.1378 plus ACA ^{3/}
EFT						
	Reservation	(Max)	3.9653	0.0000	(0.0001)	\$3.9652
		(Min)	0.0000	0.0000	(0.0001)	\$(0.0001)
	Commodity	(Max)	0.0148	0.0000	0.0000	\$0.0148 plus ACA ^{3/}
		(Min)	0.0148	0.0000	0.0000	\$0.0148 plus ACA ^{3/}
	Overrun	(Max)	0.1452	-	-	\$0.1452 plus ACA ^{3/}
		(Min)	0.0148	-	-	\$0.0148 plus ACA ^{3/}
	Maximum Volumetric Rate		0.1452	0.0000	(0.0000)	\$0.1452 plus ACA ^{3/}
FST						
	Reservation	(Max)	3.7805	-	-	\$ 3.7805
		(Min)	0.0000	-	-	\$0.0000
	Commodity	(Max)	0.0135	-	-	\$0.0135 plus ACA ^{3/}
		(Min)	0.0135	-	-	\$0.0135 plus ACA ^{3/}
	Overrun	(Max)	0.1378	-	-	\$0.1378 plus ACA ^{3/}
		(Min)	0.0135	-	-	\$0.0135 plus ACA ^{3/}
	Maximum Volumetric Rate		0.1378	-	-	\$0.1378 plus ACA ^{3/}
IT						
	Commodity	(Max)	\$0.1378	-	-	\$ 0.1378 plus ACA ^{3/}
		(Min)	0.0000	-	-	\$0.0000 plus ACA ^{3/}
	Overrun	(Max)	0.1378	-	-	\$0.1378 plus ACA ^{3/}
		(Min)	0.0000	-	-	\$0.0000 plus ACA ^{3/}

1/ The unit of measure for each rate component is the Dth unless otherwise indicated.

2/ All rates exclusive of Transportation Fuel and Company Use Retention and Transportation LAUF Retention. The Transportation Fuel and Company Use Retention for all applicable rate schedules is 0.42% and the Transportation LAUF Retention for all applicable rate schedules is 0.12%. Transporter may from time to time identify point pair transactions where the Transportation Fuel and Company Use Retention shall be zero ("Zero Fuel Point Pair Transactions"). Zero Fuel Point Pair Transactions will be assessed the applicable Transportation LAUF Retention.

3/ Pursuant to Section 19 of the General Terms and Conditions, the ACA unit charge, as revised annually and posted on the Commission's website, will be charged in addition to the specified rate.

RATES FOR PART 284 STORAGE SERVICES

Rate Sch. (1)	Rate Component ¹ (2)	Rate ² (3)
ESS	Demand (Max)	\$2.5959
	(Min)	0.0000
	Capacity (Max)	0.0404
	(Min)	0.0000
	Injection/ (Max)	0.0411 plus ACA ³
	Withdrawal (Min)	0.0000
	Max. Volumetric Dem. Rate ⁴	0.0853 plus ACA ³
	Max. Volumetric Cap. Rate ⁵	0.0013
	Storage Balance Transfer (Max) ⁶	3.8600
	(Min) ⁶	0.0000
ISS	Injection (Max)	0.9923 plus ACA ³
	(Min)	0.0000
	Storage Balance Transfer (Max) ⁶	3.8600
	(Min) ^{6/}	0.0000
FSS	Demand (Max)	2.4826
	(Min)	0.0000
	Capacity (Max)	0.0381
	(Min)	0.0000
	Injection/ (Max)	0.0391 plus ACA ³
	Withdrawal (Min)	0.0000
	Max. Volumetric Dem. Rate ^{4/}	0.0816 plus ACA ³
	Max. Volumetric Cap. Rate ^{5/}	0.0013
	Storage Balance Transfer (Max) ⁶	3.8600
	(Min) ⁶	0.0000

*0.0391
 0.012
 0.0403*
0.012 - pay on both Inj & Wld

- 1/ The unit of measure for each rate component is the Dth unless otherwise indicated.
- 2/ All rates exclusive of Storage Operating and LAUF Retention, where applicable. The Storage Operating and LAUF Retention for all applicable rate schedules is 1.19%.
- 3/ Pursuant to Section 19 of the General Terms and Conditions, the ACA unit charge, as revised annually and posted on the Commission's website, will be charged in addition to the specified rate.
- 4/ Assessed per dekatherm injected/withdrawn. Exclusive of Injection/Withdrawal charge.
- 5/ Assessed per dekatherm per day on storage balance.
- 6/ Rate per nomination.

Statement of Transportation Rates
 (Rates per DTH)

Rate Schedule	Rate Component	Base Rate	ACA Unit Charge 1/
FT	Recourse Reservation Rate		
	-- Maximum	\$40.2456	-----
	-- Minimum	\$00.0000	-----
	Seasonal Recourse Reservation Rate		
	-- Maximum	\$76.4666	-----
	-- Minimum	\$00.0000	-----
FT-FLEX	Recourse Usage Rate		
	-- Maximum	\$00.0000	2/
	-- Minimum	\$00.0000	2/
	Recourse Reservation Rate		
	--Maximum	\$27.0128	-----
	--Minimum	\$00.0000	-----
	Recourse Usage Rate		
	--Maximum	\$00.4350	2/
	--Minimum	\$00.0000	2/

The following adjustment applies to all Rate Schedules above:

MEASUREMENT VARIANCE:

Minimum	down to -1.00%
Maximum	up to +1.00%

-
- 1/ ACA assessed where applicable under Section 154.402 of the Commission's regulations and will be charged pursuant to Section 6.18 of the General Terms and Conditions at such time that initial and successive ACA assessments are made.
- 2/ The currently effective ACA unit charge as published on the Commission's website (www.ferc.gov) is incorporated herein by reference.

Statement of Transportation Rates
(Rates per DTH)

Rate Schedule	Rate Component	Base Rate	ACA Unit Charge 2/
FT	Short Term Recourse Reservation Rate		
	-- Maximum	See Table 1 Below	
	-- Minimum	\$00.0000	-----
	Recourse Usage Rate		
	-- Maximum	\$00.0000	3/
	-- Minimum	\$00.0000	3/
IT	Recourse Usage Rate		
	-- Maximum	See Table 1 Below	
	-- Minimum	\$00.0000	3/
PAL	Usage Rate		
	-- Maximum	See Table 1 Below	
	-- Minimum	\$00.0000	3/

-- Table 1 --

The following maximum rates apply (by month, as applicable) to all service provided pursuant to: (a) Short Term FT service under Rate Schedule FT (i.e., firm service that has a term of less than one year); (b) IT Service under Rate Schedule IT; and (c) Park and Loan Service under Rate Schedule PAL.

Month	Rate Multiplier	Maximum Base Unit Rate 1/ (\$/Dth/day)	ACA Unit Charge 2/
January	150%	\$1.9847	3/
February	150%	\$1.9847	3/
March	60%	\$0.7939	3/
April	60%	\$0.7939	3/
May	60%	\$0.7939	3/
June	100%	\$1.3231	3/
July	100%	\$1.3231	3/
August	100%	\$1.3231	3/
September	60%	\$0.7939	3/
October	60%	\$0.7939	3/
November	150%	\$1.9847	3/
December	150%	\$1.9847	3/

RATES PER DEKATHERM

FIRM TRANSPORTATION RATES
 RATE SCHEDULE FOR FT-A

Base Reservation Rates		DELIVERY ZONE							
RECEIPT	ZONE	0	L	1	2	3	4	5	6
0		\$5.7125		\$11.9375	\$16.0575	\$16.3417	\$17.9562	\$19.0597	\$23.9133
L			\$5.0714						
1		\$8.5997		\$8.2435	\$10.9704	\$15.5407	\$15.3052	\$17.2607	\$21.2245
2		\$16.0576		\$10.9045	\$5.6715	\$5.3018	\$6.7838	\$9.3303	\$12.0443
3		\$16.3417		\$8.6375	\$5.7173	\$4.1246	\$6.3358	\$11.4587	\$13.2409
4		\$20.7484		\$19.1282	\$7.2895	\$11.0779	\$5.4225	\$5.8643	\$8.3778
5		\$24.7395		\$17.3840	\$7.6466	\$9.2524	\$6.0239	\$5.6505	\$7.3560
6		\$28.6189		\$19.9668	\$13.7419	\$15.1387	\$10.6934	\$5.6256	\$4.8698

Daily Base Reservation Rate 1/		DELIVERY ZONE							
RECEIPT	ZONE	0	L	1	2	3	4	5	6
0		\$0.1879		\$0.3925	\$0.5279	\$0.5373	\$0.5903	\$0.6266	\$0.7862
L			\$0.1668						
1		\$0.2827		\$0.2710	\$0.3607	\$0.5109	\$0.5032	\$0.5675	\$0.6977
2		\$0.5279		\$0.3585	\$0.1865	\$0.1743	\$0.2230	\$0.3068	\$0.3960
3		\$0.5373		\$0.2840	\$0.1880	\$0.1356	\$0.2083	\$0.3768	\$0.4353
4		\$0.6821		\$0.6289	\$0.2396	\$0.3642	\$0.1782	\$0.1928	\$0.2754
5		\$0.8133		\$0.5716	\$0.2513	\$0.3042	\$0.1981	\$0.1857	\$0.2419
6		\$0.9409		\$0.6564	\$0.4518	\$0.4977	\$0.3515	\$0.1849	\$0.1601

Maximum Reservation Rates 2 /, 3 /		DELIVERY ZONE							
RECEIPT	ZONE	0	L	1	2	3	4	5	6
0				\$11.937					
				5					
L		\$5.7125			\$16.0575	\$16.3417	\$17.9562	\$19.0597	\$23.9133
1		\$8.5997	\$5.0714	\$8.2435	\$10.9704	\$15.5407	\$15.3052	\$17.2607	\$21.2245
2		\$16.0576		\$10.9045	\$5.6715	\$5.3018	\$6.7838	\$9.3303	\$12.0443
3		\$16.3417		\$8.6375	\$5.7173	\$4.1246	\$6.3358	\$11.4587	\$13.2409
4		\$20.7484		\$19.1282	\$7.2895	\$11.0779	\$5.4225	\$5.8643	\$8.3778
5		\$24.7395		\$17.3840	\$7.6466	\$9.2524	\$6.0239	\$5.6505	\$7.3560
6		\$28.6189		\$19.9668	\$13.7419	\$15.1387	\$10.6934	\$5.6256	\$4.8698

Notes:

- 1/ Applicable to demand charge credits and secondary points under discounted rate agreements.
- 2/ Includes a per Dth charge for the PCB Surcharge Adjustment per Article XXXII of the General Terms and Conditions of \$0.0000.
- 3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of \$0.0000.

RATE SCHEDULE NET 284 1/, 2/

=====

Notes:

- 1/ The rates for service under Rate Schedule NET-284 shall be equal to the applicable rates for service under Rate Schedule FT-A in the Summary of Rates and Charges on Sheet Nos. 14 – 17.
- 2/ The applicable F&LR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32. For service rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.21%.

RATES PER DEKATHERM

FIRM STORAGE SERVICE
 RATE SCHEDULE FS

Rate Schedule and Rate	Base Tariff Rate	Max Tariff Rate	F&LR 2/, 3/	EPCR 2/
=====				
FIRM STORAGE SERVICE (FS) - PRODUCTION AREA				
=====				
Deliverability Rate	\$2.8100	\$2.8100 1/		
Space Rate	\$0.0286	\$0.0286 1/		
Injection Rate	\$0.0073	\$0.0073	1.45%	\$0.0000
Withdrawal Rate	\$0.0073	\$0.0073		
Overrun Rate	\$0.3372	\$0.3372 1/		
FIRM STORAGE SERVICE (FS) - MARKET AREA				
=====				
Deliverability Rate	\$1.5400	\$1.5400 1/		
Space Rate	\$0.0211	\$0.0211 1/		
Injection Rate	\$0.0087	\$0.0087	1.45%	\$0.0000
Withdrawal Rate	\$0.0087	\$0.0087		
Overrun Rate	\$0.1848	\$0.1848 1/		

- 1/ Includes a per Dth charge for the PCB Surcharge Adjustment per Article XXXII of the General Terms and Conditions of \$0.000.
- 2/ The F&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.
- 3/ The applicable F&LR pursuant to Article XXXVII of the General Terms and Conditions, associated with Losses is equal to 0.06%.



TRANSPORTATION RATES

(A) Applicability

The charges under this schedule shall be applicable to a Shipper who enters into a Transportation Service Contract with Union.

Applicable Points

Dawn as a receipt point: Dawn (TCPL), Dawn (Facilities), Dawn (Tecumseh), Dawn (Vector) and Dawn (TSLE).

Dawn as a delivery point: Dawn (Facilities).

(B) Services

Transportation Service under this rate schedule shall be for transportation on Union's Dawn - Trafalgar facilities.

(C) Rates

The identified rates represent maximum prices for service. These rates may change periodically. Multi-year prices may also be negotiated, which may be higher than the identified rates.

	Monthly Demand Charge (applied to daily contract demand) Rate/GJ	Commodity and Fuel Charges	
		Fuel Ratio %	Commodity Charge Rate/GJ
<u>Firm Transportation (1)</u>			
Dawn to Parkway	\$2.382	Monthly fuel rates and ratios shall be in accordance with schedule "C".	
Dawn to Kirkwall	\$2.011		
Kirkwall to Parkway	\$0.372		
Parkway to Dawn	n/a		
<u>M12-X Firm Transportation</u>			
Between Dawn, Kirkwall and Parkway	\$2.961	Monthly fuel rates and ratios shall be in accordance with schedule "C".	
<u>Limited Firm/Interruptible Transportation (1)</u>			
Dawn to Parkway – Maximum	\$5.718	Monthly fuel rates and ratios shall be in accordance with schedule "C".	
Dawn to Kirkwall – Maximum	\$5.718		
Parkway (TCPL) to Parkway (Cons) (2)			0.153%

Authorized Overrun (3)

Authorized overrun rates will be payable on all quantities in excess of Union's obligation on any day. The overrun charges payable will be calculated at the following rates. Overrun will be authorized at Union's sole discretion.

	If Union supplies fuel Commodity Charge Rate/GJ	Commodity and Fuel Charges	
		Fuel Ratio %	Commodity Charge Rate/GJ
Transportation Overrun			
Dawn to Parkway		Monthly fuel rates and ratios shall be in accordance with schedule "C".	\$0.078
Dawn to Kirkwall			\$0.066
Kirkwall to Parkway			\$0.012
Parkway to Dawn			\$0.078
Parkway (TCPL) Overrun (4)	n/a	0.648%	n/a
M12-X Firm Transportation			
Between Dawn, Kirkwall and Parkway		Monthly fuel rates and ratios shall be in accordance with schedule "C".	
			\$0.097

Current M12 Rates and Fuel

Current OEB approved rates effective January 1, 2014

Receipt Point		Delivery Point	Contracted Quantity			Authorized Overrun	
			Daily Demand Charge \$CDN/GJ	Month	Fuel %	Daily Variable Charge \$CDN/GJ	Fuel %
Dawn	Parkway		\$0.078	January	1.086%	\$0.078	1.686%
				February	1.033%		1.633%
				March	0.972%		1.572%
				April	0.802%		1.402%
				May	0.567%		1.167%
				June	0.463%		1.063%
				July	0.451%		1.051%
				August	0.355%		0.955%
				September	0.352%		0.952%
				October	0.697%		1.297%
				November	0.840%		1.440%
				December	0.945%		1.545%
Dawn	Kirkwall		\$0.066	January	0.831%	\$0.066	1.431%
				February	0.786%		1.386%
				March	0.719%		1.319%
				April	0.533%		1.133%
				May	0.359%		0.959%
				June	0.260%		0.860%
				July	0.248%		0.848%
				August	0.154%		0.754%
				September	0.154%		0.754%
				October	0.463%		1.063%
				November	0.603%		1.203%
				December	0.702%		1.302%
Kirkwall	Parkway		\$0.012	January	0.408%	\$0.012	1.008%
				February	0.400%		1.000%
				March	0.406%		1.006%
				April	0.422%		1.022%
				May	0.361%		0.961%
				June	0.357%		0.957%
				July	0.356%		0.956%
				August	0.354%		0.954%
				September	0.351%		0.951%
				October	0.387%		0.987%
				November	0.389%		0.989%
				December	0.396%		0.996%

Service	Description	Daily Demand Charge \$CDN/GJ
F24-T	Firm All Day Transportation	\$0.00224

Notes:

The above Rate Summary is **not** intended to replace the regulated M12 rate schedule. In the case of a discrepancy between these summaries and the regulated rate schedules, the **rate schedule** will be deemed correct. All services are subject to any applicable taxes.

If you have any questions please contact your Account Manager

Transportation Tolls
Mainline 2013 - 2017 Tolls effective July 1, 2013

System Average Unit Cost of Transportation

Line No.	Particulars	Daily Allocation Base		Adjusted Annual Unit Cost	Adjusted Daily Unit Cost
	(a)	(b)		(c)	(d)
1	Energy	4,842,625	GJ	31.2032718304	\$/GJ
2	Energy Distance	4,218,985,129	GJ-KM	0.1866454820	\$/GJ-Km

Storage Transportation Service

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent (\$/GJ)
	(a)	(b)	(c)
3	Centram MDA	4.82275	0.15856
4	Union WDA	25.55020	0.84001
5	Union NDA	10.88920	0.35800
6	Union EDA	7.61793	0.25045
7	KPUC EDA	7.32723	0.24090
8	GMT EDA	12.52810	0.41188
9	Enbridge CDA	3.78609	0.12447
10	Enbridge EDA	9.75548	0.32073
11	Cornwall	9.89920	0.32545
12	Philpsburg	12.56045	0.41295

Firm Transportation - Short Notice

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent FT-SN for ST-SN (\$/GJ)
	(a)	(b)	(c)
13	Kirkwall to Thorold CDA	4.49081	0.14764
14	Union Parkway Belt to Goreway CDA	3.34364	0.10992
15	Union Parkway Belt to Victoria Square #2 CDA	3.94878	0.12982
16	Union Parkway Belt to Schomberg #2 CDA	3.90927	0.12852

Note: Bid floors for ST-SN may be set at the daily equivalent FT-SN toll or higher.

Delivery Pressure

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent (\$/GJ)	Fuel Ratio (%)
	(a)	(b)	(c)	(d)
17	Average Delivery Pressure Toll	0.43652	0.01435	0.19%

Note: Delivery Pressure toll applies to the following locations: Emerson 1, Emerson 2, Union SWDA, Enbridge SWDA, Dawn Export, Niagara Falls, Iroquois, Chippawa and East Hereford
The Daily equivalent Toll is only applicable to STS Injections, IT, Diversions and STFT.

Union Dawn Receipt Point Surcharge

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent (\$/GJ)	Fuel Ratio (%)
	(a)	(b)	(c)	(d)
18	Union Dawn Receipt Point Surcharge	0.13281	0.00437	0.00%

Line No.	Receipt Point	Delivery Point	FT Toll (\$/GJ/MO)	Daily Equivalent FT for IT / STFT (\$/GJ)
1	Union Parkway Belt	Calstock NDA	17.44683	0.5736
2	Union Parkway Belt	Tunis NDA	13.39663	0.4404
3	Union Parkway Belt	GMIT NDA	10.38681	0.3415
4	Union Parkway Belt	Union SSM DA	15.59391	0.5127
5	Union Parkway Belt	Union NCDA	5.46310	0.1796
6	Union Parkway Belt	Union CDA	3.06658	0.1008
7	Union Parkway Belt	Enbridge CDA	3.78609	0.1245
8	Union Parkway Belt	Union EDA	7.61793	0.2505
9	Union Parkway Belt	Enbridge EDA	9.75548	0.3207
10	Union Parkway Belt	GMIT EDA	12.52810	0.4119
11	Union Parkway Belt	KPUC EDA	7.32723	0.2409
12	Union Parkway Belt	North Bay Junction	8.19155	0.2693
13	Union Parkway Belt	Kirkwall	3.19458	0.1050
14	Union Parkway Belt	Enbridge SWDA	6.12912	0.2015
15	Union Parkway Belt	Union SWDA	6.18511	0.2034
16	Union Parkway Belt	Spruce	32.75736	1.0770
17	Union Parkway Belt	Emerson 1	30.86011	1.0146
18	Union Parkway Belt	Emerson 2	30.86011	1.0146
19	Union Parkway Belt	St. Clair	6.49976	0.2137
20	Union Parkway Belt	Dawn Export	6.12912	0.2015
21	Union Parkway Belt	Niagara Falls	4.66442	0.1534
22	Union Parkway Belt	Chippawa	4.70159	0.1546
23	Union Parkway Belt	Iroquois	9.24034	0.3038
24	Union Parkway Belt	Comwall	9.89920	0.3255
25	Union Parkway Belt	Napierville	12.28888	0.4040
26	Union Parkway Belt	Philipsburg	12.56045	0.4130
27	Union Parkway Belt	East Hereford	15.43962	0.5076
28	Union Parkway Belt	Welwyn	37.26438	1.2251
29	Union SSM DA	Empress	-	1.1945
30	Union SSM DA	TransGas SSDA	-	0.9726
31	Union SSM DA	Centram SSDA	-	0.8817
32	Union SSM DA	Centram MDA	-	0.7442
33	Union SSM DA	Centrat MDA	-	0.7438
34	Union SSM DA	Union WDA	-	1.0008
35	Union SSM DA	Nipigon WDA	-	1.0780
36	Union SSM DA	Union NDA	-	0.7852
37	Union SSM DA	Calstock NDA	-	1.0008
38	Union SSM DA	Tunis NDA	-	0.8676
39	Union SSM DA	GMIT NDA	-	0.7687
40	Union SSM DA	Union SSM DA	-	0.0855
41	Union SSM DA	Union NCDA	-	0.6068
42	Union SSM DA	Union CDA	-	0.5153
43	Union SSM DA	Enbridge CDA	-	0.5467
44	Union SSM DA	Union EDA	-	0.6776
45	Union SSM DA	Enbridge EDA	-	0.7479
46	Union SSM DA	GMIT EDA	-	0.8391
47	Union SSM DA	KPUC EDA	-	0.6681
48	Union SSM DA	North Bay Junction	-	0.6965
49	Union SSM DA	Kirkwall	-	0.4931
50	Union SSM DA	Enbridge SWDA	-	0.3967
51	Union SSM DA	Union SWDA	-	0.3948
52	Union SSM DA	Spruce	-	0.7438
53	Union SSM DA	Emerson 1	-	0.6712
54	Union SSM DA	Emerson 2	-	0.6712
55	Union SSM DA	St. Clair	-	0.3845
56	Union SSM DA	Dawn Export	-	0.3967
57	Union SSM DA	Niagara Falls	-	0.5501
58	Union SSM DA	Chippawa	-	0.5513
59	Union SSM DA	Iroquois	-	0.7310
60	Union SSM DA	Comwall	-	0.7526
61	Union SSM DA	Napierville	-	0.8312
62	Union SSM DA	Philipsburg	-	0.8401
63	Union SSM DA	East Hereford	-	0.9348
64	Union SSM DA	Welwyn	-	0.8817
65	Union WDA	Empress	-	0.8562
66	Union WDA	TransGas SSDA	-	0.6343
67	Union WDA	Centram SSDA	-	0.5434
68	Union WDA	Centram MDA	-	0.4067
69	Union WDA	Centrat MDA	-	0.3437
70	Union WDA	Union WDA	-	0.0855
71	Union WDA	Nipigon WDA	-	0.1864
72	Union WDA	Union NDA	-	0.5674
73	Union WDA	Calstock NDA	-	0.3519

Daily currency converter

Convert to and from Canadian dollars, using the latest noon rates.

Currency Converter

Amount: [cash rate:](#) ☐

From: ▼

To: ▼



[Convert](#)

Answer:

Exchange Rate:

Summary: On 4 March 2014, 1.00 Canadian Dollar(s) = 0.90 U.S. dollar(s), at an exchange rate of 0.8998 (using nominal rate).

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.										REDACTED	
2 Off Peak 2014 Summer Cost of Gas Filing											
3 Supply and Commodity Costs, Volumes and Rates											
4	For Month of:	Reference									
5	(a)	(b)									
6											
7											
8											
9	Supply and Commodity Costs										
10	Pipeline Gas:										
11	Dawn Supply	In 63 * In 102									
12	Niagara Supply	In 64 * In 107									
13	TGP Supply (Direct)	In 65 * In 123									
14	Dracut Supply 1 - Baseload	In 66 * In 112									
15	Dracut Supply 2 - Swing	In 67 * In 117									
16	City Gate Delivered Supply	In 68 * In 129									
17	LNG Truck	In 69 * In 131									
18	Propane Truck	In 70 * In 133									
19	PNGTS	In 71 * In 138									
20	TGP Supply (Zone 4)	In 72 * In 143									
21											
22											
23	Subtotal Pipeline Gas Costs		\$ 3,507,201	\$ 2,838,907	\$ 2,684,834	\$ 2,501,006	\$ 2,656,109	\$ 2,409,248	\$ 16,598,753		
24											
25	Volumetric Transportation Costs										
26	Dawn Supply	In 63 * In 176									
27	Niagara Supply	In 64 * In 187									
28	TGP Supply (Zone 4)	In 72 * In 224									
29	Dracut Supply 1 - Baseload	In 66 * In 235									
30	Dracut Supply 2 - Swing	In 67 * In 235									
31	City Gate Delivered Supply	In 68 * In 235									
32	TGP Storage - Withdrawals	In 77 * In 165									
33											
34	Total Volumetric Transportation Costs		\$ 123,190	\$ 103,874	\$ 98,065	\$ 90,418	\$ 97,888	\$ 92,531	\$ 605,965		
35											
36	Less - Gas Refill:										
37	LNG Truck	In 86 * In 150									
38	Propane	In 87 * In 151									
39	TGP Storage Refill	In 88 * In 121									
40	Storage Refill (Trans.)	In 88 * In 214									
41											
42	Subtotal Refills										
43											
44	Total Supply & Pipeline Commodity Costs	In 23 + In 34 + In 42	\$ (2,074,263)	\$ (1,944,706)	\$ (2,016,504)	\$ (1,732,856)	\$ (1,532,294)	\$ (46,009)	\$ (9,346,632)		
45			\$ 1,556,129	\$ 998,075	\$ 766,395	\$ 858,567	\$ 1,221,703	\$ 2,455,770	\$ 7,856,640		
46	Storage Gas:										
47	TGP Storage - Withdrawals	In 77 * In 157									
48											
49	Produced Gas:										
50	LNG Vapor	In 80 * In 145									
51	Propane	In 81 * In 147									
52											
53	Total Produced Gas	In 50 + In 51	\$ 36,890	\$ 35,618	\$ 36,890	\$ 35,346	\$ 29,896	\$ 30,113	\$ 204,753		
54											
55											
56	Total Commodity Gas & Trans. Costs	In 44 + In 47 + In 53	\$ 1,593,019	\$ 1,033,693	\$ 803,285	\$ 893,913	\$ 1,251,599	\$ 2,485,884	\$ 8,061,392		
57											
58											

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.							REDACTED
2	3 Off Peak 2014 Summer Cost of Gas Filing	Reference					
4	4 Supply and Commodity Costs, Volumes and Rates	(b)					
5	5 For Month of:	(a)					
6	6 Gas Costs and Volumetric Transportation Rates						
7	7 Pipeline Gas:						
8	8 Dawn Supply	Sch 7, ln 10/10					
9	9 NYMEX Price						
10	10 Basis Differential						
11	11 Net Commodity Costs						
12	12 Niagara Supply	Sch 7, ln 10/10					
13	13 NYMEX Price						
14	14 Basis Differential						
15	15 Net Commodity Costs						
16	16 Dracut Supply 1 - Baseload	Sch 7, ln 10 / 10					
17	17 Commodity Costs - NYMEX Price						
18	18 Basis Differential						
19	19 Net Commodity Costs						
20	20 Dracut Supply 2 - Swing	Sch 7, ln 10 / 10					
21	21 Commodity Costs - NYMEX Price						
22	22 Basis Differential						
23	23 Net Commodity Costs						
24	24 TGP Supply (Direct)	Sch 7, ln 10/10					
25	25 NYMEX Price						
26	26 Basis Differential						
27	27 Net Commodity Costs						
28	28 LNG Truck	Sch 7, ln 10/10					
29	29 Propane Truck	NYMEX - Propane					
30	30 PNGTS						
31	31 NYMEX Price	Sch 7, ln 10/10					
32	32 Additional Cost						
33	33 Net Commodity Cost						
34	34 TGP Supply (Zone 4)	Sch 7, ln 10/10					
35	35 NYMEX Price						
36	36 Basis Differential						
37	37 Net Commodity Cost						
38	38 LNG Vapor (Storage)	Sch 13, ln 95 /10					
39	39 Propane	Sch 13, ln 66 /10					
40	40 Storage Refill:						
41	41 LNG Truck	ln 131					
42	42 Propane	ln 133					
43	43						
44	44						
45	45						
46	46						
47	47						
48	48						
49	49						
50	50						
51	51						
52	52						
53	53						

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Supply and Commodity Costs, Volumes and Rates

6 For Month of:	May-14 (c)	Jun-14 (d)	Jul-14 (e)	Aug-14 (f)	Sep-14 (g)	Oct-14 (h)	Off-Peak May - Oct (i)
7 (a)	Reference (b)	Average Rate					
191							
192							
193 TGP Direct Volumetric Transportation Charge							
194 Commodity Costs							
195							
196 TGP - Max Comm. Base Rate - Z 0-6	Seventh Rev Sheet No.15	\$0.03124	\$0.03124	\$0.03124	\$0.03124	\$0.03124	\$0.03124
197 TGP - Max Commodity ACA Rate - Z 0-6	Seventh Rev Sheet No.15	\$0.00012	\$0.00012	\$0.00012	\$0.00012	\$0.00012	\$0.00012
198 Subtotal TGP - Max Comm. Rate Z 0-6		\$0.03136	\$0.03136	\$0.03136	\$0.03136	\$0.03136	\$0.03136
199 Prorated Percentage		32.60%	32.60%	32.60%	32.60%	32.60%	32.60%
200 Prorated TGP - Max Commodity Rate - Z 0-6		\$0.01022	\$0.01022	\$0.01022	\$0.01022	\$0.01022	\$0.01022
201 TGP - Max Comm. Base Rate - Z 1-6	Seventh Rev Sheet No.15	\$0.02723	\$0.02723	\$0.02723	\$0.02723	\$0.02723	\$0.02723
202 TGP - Max Commodity ACA Rate - Z 1-6	Seventh Rev Sheet No.15	\$0.00012	\$0.00012	\$0.00012	\$0.00012	\$0.00012	\$0.00012
203 Subtotal TGP - Max Commodity Rate - Z 1-6		\$0.02735	\$0.02735	\$0.02735	\$0.02735	\$0.02735	\$0.02735
204 Prorated Percentage		67.40%	67.40%	67.40%	67.40%	67.40%	67.40%
205 Prorated TGP - Trans Charge - Max Commodity Rate - Z 1-6		\$0.01843	\$0.01843	\$0.01843	\$0.01843	\$0.01843	\$0.01843
206 TGP - Fuel Charge % - Z 0-6	Seventh Rev Sheet No. 32	4.49%	4.49%	4.49%	4.49%	4.49%	4.49%
207 Prorated Percentage		32.6%	32.6%	32.6%	32.6%	32.6%	32.6%
208 Prorated TGP Fuel Charge % - Z 0-6		1.46%	1.46%	1.46%	1.46%	1.46%	1.46%
209 TGP - Fuel Charge % - Z 1-6	Seventh Rev Sheet No. 32	3.95%	3.95%	3.95%	3.95%	3.95%	3.95%
210 Prorated Percentage		67.40%	67.40%	67.40%	67.40%	67.40%	67.40%
211 Prorated TGP Fuel Charge - Fuel Charge % - Z 1-6		2.66%	2.66%	2.66%	2.66%	2.66%	2.66%
212 TGP - Fuel Charge % - Z 0-6	In 194 x In 208	\$0.00659	\$0.00659	\$0.00664	\$0.00662	\$0.00659	\$0.00660
213 TGP - Fuel Charge % - Z 1-6	In 194 x In 211	\$0.01199	\$0.01199	\$0.01208	\$0.01204	\$0.01198	\$0.01200
214 Total Volumetric Transportation Rate - TGP (Direct)		\$0.04717	\$0.04725	\$0.04738	\$0.04732	\$0.04722	\$0.04725
215							
216 TGP (Zone 4 Purchase) Volumetric Transportation Charge							
217 Commodity Costs							
218							
219 TGP - Max Comm. Base Rate - Z 4-6	Seventh Rev Sheet No.15	\$0.01073	\$0.01073	\$0.01073	\$0.01073	\$0.01073	\$0.01073
220 TGP - Max Commodity ACA Rate - Z 4-6	Seventh Rev Sheet No.15	\$0.00012	\$0.00012	\$0.00012	\$0.00012	\$0.00012	\$0.00012
221 Subtotal TGP - Max Commodity Rate - Z 4-6		\$0.01085	\$0.01085	\$0.01085	\$0.01085	\$0.01085	\$0.01085
222 TGP - Fuel Charge % - Z 4-6	Seventh Rev Sheet No. 32	1.38%	1.38%	1.38%	1.38%	1.38%	1.38%
223 TGP - Fuel Charge	In 217 x In 222	\$0.00591	\$0.00593	\$0.00597	\$0.00596	\$0.00592	\$0.00593
224 Total Vol. Trans. Rate - TGP (Zone 6)		\$0.01676	\$0.01678	\$0.01682	\$0.01681	\$0.01677	\$0.01678
225							
226							
227 TGP Dracut							
228 Commodity Costs - NYMEX Price							
229							
230 TGP - Trans Charge - Comm. - Z 6-6	Seventh Rev Sheet No.15						
231 TGP - Trans Charge - ACA Rate - Z 6-6	Seventh Rev Sheet No.15						
232 Subtotal TGP - Trans Charge - Max Commodity Rate - Z 6-6							
233 TGP - Fuel Charge % - Z 6-6	Seventh Rev Sheet No. 32						
234 TGP - Fuel Charge	In 228 x In 233						
235 Total Volumetric Transportation Rate - TGP Dracut							
236							

----- RATES (All in \$ Per Dth) -----									
Non-Settlement Recourse & Eastchester			----- Settlement Recourse Rates -----						
			----- Applicable to Non-Eastchester/Non-Contesting Shippers 2/ -----						
	Minimum	Initial Rates 3/	Effective 1/1/2003	Effective 7/1/2004	Effective 1/1/2005	Effective 1/1/2006	Effective 1/1/2007		
RTS DEMAND:									
Zone 1	\$0.0000	\$7.5637	\$7.5637	\$6.9586	\$6.8514	\$6.7788	\$6.5971		
Zone 2	\$0.0000	\$6.4976	\$6.4976	\$5.9778	\$5.8857	\$5.8233	\$5.6673		
Inter-Zone	\$0.0000	\$12.7150	\$12.7150	\$11.6978	\$11.5177	\$11.3956	\$11.0902		
Zone 1 (MFV) 1/	\$0.0000	\$5.3607	\$5.3607	\$4.9318	\$4.8559	\$4.8044	\$4.6757		
RTS COMMODITY:									
Zone 1	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030	\$0.0030		
Zone 2	\$0.0024	\$0.0024	\$0.0024	\$0.0024	\$0.0024	\$0.0024	\$0.0024		
Inter-Zone	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054	\$0.0054		
Zone 1 (MFV) 1/	\$0.0300	\$0.1506	\$0.1506	\$0.1386	\$0.1364	\$0.1350	\$0.1314		
ITS COMMODITY:									
Zone 1	\$0.0030	\$0.2517	\$0.2517	\$0.2318	\$0.2283	\$0.2259	\$0.2199		
Zone 2	\$0.0024	\$0.2160	\$0.2160	\$0.1989	\$0.1959	\$0.1938	\$0.1887		
Inter-Zone	\$0.0054	\$0.4234	\$0.4234	\$0.3900	\$0.3840	\$0.3800	\$0.3700		
Zone 1 (MFV) 1/	\$0.0300	\$0.3268	\$0.3268	\$0.3007	\$0.2960	\$0.2929	\$0.2850		
MAXIMUM VOLUMETRIC CAPACITY RELEASE RATE 4/:									
Zone 1	\$0.0000	\$0.2487	\$0.2487	\$0.2288	\$0.2253	\$0.2229	\$0.2169		
Zone 2	\$0.0000	\$0.2136	\$0.2136	\$0.1965	\$0.1935	\$0.1915	\$0.1863		
Inter-Zone	\$0.0000	\$0.4180	\$0.4180	\$0.3846	\$0.3787	\$0.3746	\$0.3646		
Zone 1 (MFV) 1/	\$0.0000	\$0.1762	\$0.1762	\$0.1621	\$0.1596	\$0.1580	\$0.1537		

**SEE SHEET NO. 4A FOR ADJUSTMENTS TO RATES WHICH MAY BE APPLICABLE

(Footnotes continued on Sheet 4.01)

-
- 1/ As authorized pursuant to order of the Federal Energy Regulatory Commission, Docket Nos. RS92-17-003, et al., dated June 18, 1993 (63 FERC para. 61,285).
 - 2/ Settlement Recourse Rates were established in Iroquois' Settlement dated August 29, 2003, which was approved by Commission order issued Oct. 24, 2003, in Docket No. RP03-589-000. That Settlement also established a moratorium on changes to the Settlement Rates until January 1, 2008, defines the Non-Eastchester/Non-Contesting parties to which it applies, and provides that Iroquois' TCRA will be terminated on July 1, 2004.
 - 3/ See Sections 1.2 and 4.3 of the Settlement referenced in footnote 2. As directed by the Commission's January 30, 2004 Order in Docket No. RP04-136, the Eastchester Initial Rates apply for service to Eastchester Shippers prior to the July 1, 2004 effective date of the rates set forth on Sheet No. 4C.
 - 4/ No rate cap shall apply to any capacity releases with terms of less than or equal to one year pursuant to FERC Order Nos. 712 et al.

To the extent applicable, the following adjustments apply:

ACA ADJUSTMENT:

Commodity 1/

MEASUREMENT VARIANCE/FUEL USE FACTOR:

Minimum	0.00%
Maximum (Non-Eastchester Shipper)	1.00%
Maximum (Eastchester Shipper)	4.50%
Maximum (Brookfield Shipper)	1.20%

1/ The ACA ADJUSTMENT Commodity rate shall be the applicable FERC ACA unit charge incorporated by reference pursuant to Section 12.2 in the General Terms and Conditions of Transporter's FERC Gas Tariff.

RATES PER DEKATHERM

COMMODITY RATES
 RATE SCHEDULE FOR FT-A

Base Commodity Rates

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0032		\$0.0115	\$0.0177	\$0.0219	\$0.2751	\$0.2625	\$0.3124
L		\$0.0012						
1	\$0.0042		\$0.0081	\$0.0147	\$0.0179	\$0.2339	\$0.2385	\$0.2723
2	\$0.0167		\$0.0087	\$0.0012	\$0.0028	\$0.0757	\$0.1214	\$0.1345
3	\$0.0207		\$0.0169	\$0.0026	\$0.0002	\$0.1012	\$0.1400	\$0.1528
4	\$0.0250		\$0.0205	\$0.0087	\$0.0105	\$0.0468	\$0.0662	\$0.1073
5	\$0.0284		\$0.0256	\$0.0100	\$0.0118	\$0.0659	\$0.0653	\$0.0811
6	\$0.0346		\$0.0300	\$0.0143	\$0.0163	\$0.1014	\$0.0549	\$0.0334

Minimum
 Commodity Rates 1/, 2/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0050		\$0.0133	\$0.0195	\$0.0237	\$0.0268	\$0.0302	\$0.0364
L		\$0.0030						
1	\$0.0060		\$0.0099	\$0.0165	\$0.0197	\$0.0228	\$0.0274	\$0.0318
2	\$0.0185		\$0.0105	\$0.0030	\$0.0046	\$0.0074	\$0.0118	\$0.0161
3	\$0.0225		\$0.0187	\$0.0044	\$0.0020	\$0.0099	\$0.0136	\$0.0181
4	\$0.0268		\$0.0223	\$0.0105	\$0.0123	\$0.0046	\$0.0064	\$0.0110
5	\$0.0302		\$0.0274	\$0.0118	\$0.0136	\$0.0064	\$0.0064	\$0.0084
6	\$0.0364		\$0.0318	\$0.0161	\$0.0181	\$0.0104	\$0.0059	\$0.0038

Maximum
 Commodity Rates 1/, 2/, 3/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0050		\$0.0133	\$0.0195	\$0.0237	\$0.2769	\$0.2643	\$0.3142
L		\$0.0030						
1	\$0.0060		\$0.0099	\$0.0165	\$0.0197	\$0.2357	\$0.2403	\$0.2741
2	\$0.0185		\$0.0105	\$0.0030	\$0.0046	\$0.0775	\$0.1232	\$0.1363
3	\$0.0225		\$0.0187	\$0.0044	\$0.0020	\$0.1030	\$0.1418	\$0.1546
4	\$0.0268		\$0.0223	\$0.0105	\$0.0123	\$0.0486	\$0.0680	\$0.1091
5	\$0.0302		\$0.0274	\$0.0118	\$0.0136	\$0.0677	\$0.0671	\$0.0829
6	\$0.0364		\$0.0318	\$0.0161	\$0.0181	\$0.1032	\$0.0567	\$0.0352

Notes:

- 1/ Includes a per Dth charge for (ACA) Annual Charge Adjustment of \$0.0018
- 2/ The applicable F&LR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32. For service that is rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.21%.
- 3/ Includes a per Dth charge for the PS/GHG Surcharge Adjustment per Article XXXVIII of the General Terms and Conditions of \$0.0000.

RATE SCHEDULE NET 284 1/, 2/

=====

Notes:

- 1/ The rates for service under Rate Schedule NET-284 shall be equal to the applicable rates for service under Rate Schedule FT-A in the Summary of Rates and Charges on Sheet Nos. 14 – 17.
- 2/ The applicable F&LR's and EPCR's, determined pursuant to Article XXXVII of the General Terms and Conditions, are listed on Sheet No. 32. For service rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.21%.

FUEL AND EPCR

F&LR 1/, 2/, 3/, 4/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	0.67%		1.67%	2.40%	2.89%	3.41%	3.82%	4.49%
L		0.43%						
1	0.79%		1.27%	2.05%	2.42%	2.92%	3.49%	3.95%
2	2.44%		1.34%	0.42%	0.62%	1.00%	1.56%	2.02%
3	2.96%		2.47%	0.62%	0.31%	1.31%	1.79%	2.32%
4	3.51%		2.73%	1.33%	1.55%	0.64%	0.88%	1.38%
5	3.95%		3.49%	1.56%	1.81%	0.88%	0.87%	1.06%
6	4.68%		4.08%	2.05%	2.32%	1.31%	0.73%	0.46%

EPCR 3/, 4/

RECEIPT ZONE	DELIVERY ZONE							
	0	L	1	2	3	4	5	6
0	\$0.0032		\$0.0123	\$0.0190	\$0.0237	\$0.0286	\$0.0325	\$0.0390
L		\$0.0011						
1	\$0.0043		\$0.0086	\$0.0158	\$0.0193	\$0.0240	\$0.0293	\$0.0337
2	\$0.0190		\$0.0093	\$0.0010	\$0.0028	\$0.0062	\$0.0113	\$0.0155
3	\$0.0237		\$0.0193	\$0.0028	\$0.0000	\$0.0091	\$0.0134	\$0.0179
4	\$0.0286		\$0.0221	\$0.0092	\$0.0112	\$0.0029	\$0.0051	\$0.0097
5	\$0.0325		\$0.0293	\$0.0113	\$0.0134	\$0.0051	\$0.0050	\$0.0067
6	\$0.0390		\$0.0337	\$0.0155	\$0.0179	\$0.0090	\$0.0038	\$0.0014

- 1/ Included in the above F&LR is the Losses component of the F&LR equal to 0.21%.
- 2/ For service that is rendered entirely by displacement and for gas scheduled and allocated for receipt at the Dracut, Massachusetts receipt point, Shipper shall render only the quantity of gas associated with Losses of 0.21%.
- 3/ The F&LR's and EPCR's listed above are applicable to FT-A, FT-BH, FT-G, FT-GS, NET, NET-284 and IT.
- 4/ The F&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.

RATES PER DEKATHERM

FIRM STORAGE SERVICE
 RATE SCHEDULE FS

Rate Schedule and Rate	Base Tariff Rate	Max Tariff Rate	F&LR 2/, 3/	EPCR 2/
=====				
FIRM STORAGE SERVICE (FS) - PRODUCTION AREA				
=====				
Deliverability Rate	\$2.8100	\$2.8100 1/		
Space Rate	\$0.0286	\$0.0286 1/		
Injection Rate	\$0.0073	\$0.0073	1.45%	\$0.0000
Withdrawal Rate	\$0.0073	\$0.0073		
Overrun Rate	\$0.3372	\$0.3372 1/		
FIRM STORAGE SERVICE (FS) - MARKET AREA				
=====				
Deliverability Rate	\$1.5400	\$1.5400 1/		
Space Rate	\$0.0211	\$0.0211 1/		
Injection Rate	\$0.0087	\$0.0087	1.45%	\$0.0000
Withdrawal Rate	\$0.0087	\$0.0087		
Overrun Rate	\$0.1848	\$0.1848 1/		

1/ Includes a per Dth charge for the PCB Surcharge Adjustment per Article XXXII of the General Terms and Conditions of \$0.000.

2/ The F&LR's and EPCR's determined pursuant to Article XXXVII of the General Terms and Conditions.

3/ The applicable F&LR pursuant to Article XXXVII of the General Terms and Conditions, associated with Losses is equal to 0.06%.

NET-284 RATE SCHEDULE (continued)

5. SHIPPERS

The Shippers to which this Rate Schedule is available, each Shipper's Transportation Quantity and the rate zone applicable to the transportation service provided by Transporter are as follows:

Shipper	Transportation Quantity (Dth)	Rate Zones	
		<u>Receipt</u>	<u>Delivery</u>
Bay State (from Granite)	3,706	5	6
- Pleasant St.			
Bay State (from Granite)	6,068	5	6
- Agawam			
Boston Gas d/b/a National Grid	35,000	5	6
Boston Gas d/b/a National Grid	8,600	5	6
Barclays Bank PLC	14,010	5	6
EnergyNorth Natural Gas, Inc.	4,000	5	6
d/b/a National Grid			
Essex Gas Company	2,000	5	6
d/b/a National Grid			
Iroquois Gas Transmission	37,000	6	6
(Connecticut Natural, Yankee Gas)			
Lockport Energy Associates	13,184	1	5
New York State Electric & Gas Corp	14,816	1	5
Northern Utilities	844	5	6
(from Granite) Pleasant St.			
Northern Utilities	1,382	5	6
(from Granite) Agawam			
The Narragansett Electric Company	1,000	5	6
d/b/a National Grid			
Yankee Gas Services Company (Wright)	9,000	5	6
Total	150,610		

Transportation Tolls
Mainline 2013 - 2017 Tolls effective July 1, 2013

System Average Unit Cost of Transportation

Line No.	Particulars	Daily Allocation Base		Adjusted Annual Unit Cost	Adjusted Daily Unit Cost
	(a)	(b)		(c)	(d)
1	Energy	4,842,625	GJ	31.2032718304	\$/GJ
2	Energy Distance	4,218,985,129	GJ-KM	0.1866454820	\$/GJ-Km

Storage Transportation Service

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent (\$/GJ)
	(a)	(b)	(c)
3	Centram MDA	4.82275	0.15856
4	Union WDA	25.55020	0.84001
5	Union NDA	10.88920	0.35800
6	Union EDA	7.61793	0.25045
7	KPUC EDA	7.32723	0.24090
8	GMT EDA	12.52810	0.41188
9	Enbridge CDA	3.78609	0.12447
10	Enbridge EDA	9.75548	0.32073
11	Cornwall	9.89920	0.32545
12	Philpsburg	12.56045	0.41295

Firm Transportation - Short Notice

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent FT-SN for ST-SN (\$/GJ)
	(a)	(b)	(c)
13	Kirkwall to Thorold CDA	4.49081	0.14764
14	Union Parkway Belt to Goreway CDA	3.34364	0.10992
15	Union Parkway Belt to Victoria Square #2 CDA	3.94878	0.12982
16	Union Parkway Belt to Schomberg #2 CDA	3.90927	0.12852

Note: Bid floors for ST-SN may be set at the daily equivalent FT-SN toll or higher.

Delivery Pressure

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent (\$/GJ)	Fuel Ratio (%)
	(a)	(b)	(c)	(d)
17	Average Delivery Pressure Toll	0.43652	0.01435	0.19%

Note: Delivery Pressure toll applies to the following locations: Emerson 1, Emerson 2, Union SWDA, Enbridge SWDA, Dawn Export, Niagara Falls, Iroquois, Chippawa and East Hereford
The Daily equivalent Toll is only applicable to STS Injections, IT, Diversions and STFT.

Union Dawn Receipt Point Surcharge

Line No.	Particulars	Monthly Toll (\$/GJ/MO)	Daily Equivalent (\$/GJ)	Fuel Ratio (%)
	(a)	(b)	(c)	(d)
18	Union Dawn Receipt Point Surcharge	0.13281	0.00437	0.00%

Line No.	Receipt Point	Delivery Point	FT Toll (\$/GJ/MO)	Daily Equivalent FT for IT / STFT (\$/GJ)
1	Union Parkway Belt	Calstock NDA	17.44683	0.5736
2	Union Parkway Belt	Tunis NDA	13.39663	0.4404
3	Union Parkway Belt	GMIT NDA	10.38681	0.3415
4	Union Parkway Belt	Union SSMDA	15.59391	0.5127
5	Union Parkway Belt	Union NCDA	5.46310	0.1796
6	Union Parkway Belt	Union CDA	3.06658	0.1008
7	Union Parkway Belt	Enbridge CDA	3.78609	0.1245
8	Union Parkway Belt	Union EDA	7.61793	0.2505
9	Union Parkway Belt	Enbridge EDA	9.75548	0.3207
10	Union Parkway Belt	GMIT EDA	12.52810	0.4119
11	Union Parkway Belt	KPUC EDA	7.32723	0.2409
12	Union Parkway Belt	North Bay Junction	8.19155	0.2693
13	Union Parkway Belt	Kirkwall	3.19458	0.1050
14	Union Parkway Belt	Enbridge SWDA	6.12912	0.2015
15	Union Parkway Belt	Union SWDA	6.18511	0.2034
16	Union Parkway Belt	Spruce	32.75736	1.0770
17	Union Parkway Belt	Emerson 1	30.86011	1.0146
18	Union Parkway Belt	Emerson 2	30.86011	1.0146
19	Union Parkway Belt	St. Clair	6.49976	0.2137
20	Union Parkway Belt	Dawn Export	6.12912	0.2015
21	Union Parkway Belt	Niagara Falls	4.66442	0.1534
22	Union Parkway Belt	Chippawa	4.70159	0.1546
23	Union Parkway Belt	Iroquois	9.24034	0.3038
24	Union Parkway Belt	Comwall	9.89920	0.3255
25	Union Parkway Belt	Napierville	12.28888	0.4040
26	Union Parkway Belt	Philipsburg	12.56045	0.4130
27	Union Parkway Belt	East Hereford	15.43962	0.5076
28	Union Parkway Belt	Welwyn	37.26438	1.2251
29	Union SSMDA	Empress	-	1.1945
30	Union SSMDA	TransGas SSDA	-	0.9726
31	Union SSMDA	Centram SSDA	-	0.8817
32	Union SSMDA	Centram MDA	-	0.7442
33	Union SSMDA	Centrat MDA	-	0.7438
34	Union SSMDA	Union WDA	-	1.0008
35	Union SSMDA	Nipigon WDA	-	1.0780
36	Union SSMDA	Union NDA	-	0.7852
37	Union SSMDA	Calstock NDA	-	1.0008
38	Union SSMDA	Tunis NDA	-	0.8676
39	Union SSMDA	GMIT NDA	-	0.7687
40	Union SSMDA	Union SSMDA	-	0.0855
41	Union SSMDA	Union NCDA	-	0.6068
42	Union SSMDA	Union CDA	-	0.5153
43	Union SSMDA	Enbridge CDA	-	0.5467
44	Union SSMDA	Union EDA	-	0.6776
45	Union SSMDA	Enbridge EDA	-	0.7479
46	Union SSMDA	GMIT EDA	-	0.8391
47	Union SSMDA	KPUC EDA	-	0.6681
48	Union SSMDA	North Bay Junction	-	0.6965
49	Union SSMDA	Kirkwall	-	0.4931
50	Union SSMDA	Enbridge SWDA	-	0.3967
51	Union SSMDA	Union SWDA	-	0.3948
52	Union SSMDA	Spruce	-	0.7438
53	Union SSMDA	Emerson 1	-	0.6712
54	Union SSMDA	Emerson 2	-	0.6712
55	Union SSMDA	St. Clair	-	0.3845
56	Union SSMDA	Dawn Export	-	0.3967
57	Union SSMDA	Niagara Falls	-	0.5501
58	Union SSMDA	Chippawa	-	0.5513
59	Union SSMDA	Iroquois	-	0.7310
60	Union SSMDA	Comwall	-	0.7526
61	Union SSMDA	Napierville	-	0.8312
62	Union SSMDA	Philipsburg	-	0.8401
63	Union SSMDA	East Hereford	-	0.9348
64	Union SSMDA	Welwyn	-	0.8817
65	Union WDA	Empress	-	0.8562
66	Union WDA	TransGas SSDA	-	0.6343
67	Union WDA	Centram SSDA	-	0.5434
68	Union WDA	Centram MDA	-	0.4067
69	Union WDA	Centrat MDA	-	0.3437
70	Union WDA	Union WDA	-	0.0855
71	Union WDA	Nipigon WDA	-	0.1864
72	Union WDA	Union NDA	-	0.5674
73	Union WDA	Calstock NDA	-	0.3519

TRANSCANADA FUEL RATIOS

May 2013

Pressure Point	Pressure (%)
Chippawa	0.00
Emerson 1	0.00
Emerson 2	0.00
Iroquois	0.00
Niagara Falls	0.00

Receipt	Delivery	Min IT Bid Toll	Fuel Ratio (%) (with pressure)	Fuel Ratio (%) (without pressure)
Union Parkway Belt	Iroquois	0.0000	1.03	0.00

June 2013

Pressure Point	Pressure (%)
Chippawa	0.00
Emerson 1	0.00
Emerson 2	0.00
Iroquois	0.00
Niagara Falls	0.00

Receipt	Delivery	Min IT Bid Toll	Fuel Ratio (%) (with pressure)	Fuel Ratio (%) (without pressure)
Union Parkway Belt	Iroquois	0.0000	0.92	0.00

July 2013

Pressure Point	Pressure (%)
Chippawa	0.00
Emerson 1	0.00
Emerson 2	0.00
Iroquois	0.00
Niagara Falls	0.00

Receipt	Delivery	Min IT Bid Toll	Fuel Ratio (%) (with pressure)	Fuel Ratio (%) (without pressure)
Union Parkway Belt	Iroquois	0.0000	0.20	0.00

August 2013

Pressure Point	Pressure (%)
Chippawa	0.00
Emerson 1	0.00
Emerson 2	0.00
Iroquois	0.00
Niagara Falls	0.00

Receipt	Delivery	Min IT Bid Toll	Fuel Ratio (%) (with pressure)	Fuel Ratio (%) (without pressure)
Union Parkway Belt	Iroquois	0.0000	0.25	0.00

September 2013

Pressure Point	Pressure (%)
Chippawa	0.00
Emerson 1	0.00
Emerson 2	0.00
Iroquois	0.00
Niagara Falls	0.00

Receipt	Delivery	Min IT Bid Toll	Fuel Ratio (%) (with pressure)	Fuel Ratio (%) (without pressure)
Union Parkway Belt	Iroquois	0.0000	0.19	0.00

October 2013

Pressure Point	Pressure (%)
Chippawa	0.00
Emerson 1	0.00
Emerson 2	0.00
Iroquois	0.00
Niagara Falls	0.00

Receipt	Delivery	Min IT Bid Toll	Fuel Ratio (%) (with pressure)	Fuel Ratio (%) (without pressure)
Union Parkway Belt	Iroquois	0.0000	0.61	0.00

1 ENERGY NORTH NATURAL GAS, INC.

3 Off Peak 2014 Summer Cost of Gas Filing

4 NYMEX Futures @ Henry Hub and Hedged Contracts

6 For Month of:

7 (a) Reference (b)
8 I. NYMEX Opening Prices as of:
9 Opening Prices (15 day average)

Line 206

May-14 (c)	Jun-14 (d)	Jul-14 (e)	Aug-14 (f)	Sep-14 (g)	Oct-14 (h)	May - Oct Off Peak Strip Average (i)
\$4,5793	\$4,5972	\$4,6290	\$4,6159	\$4,5823	\$4,5919	\$ 4,5993
\$4,5793	\$4,5972	\$4,6290	\$4,6159	\$4,5823	\$4,5919	\$ 4,5993

19 II. Development of Hedging Costs and Savings

21 TGP (Direct) Volumes

22 Hedged Volumes (Dth)	In 76	130,000	-	-	-	11,250	May - Oct Total
23 Market Priced Volumes (Dth)	In 24 - In 22	265,304	271,480	-	-	539,514	141,250
24 Total Volumes (Dth)	Sch 6, lns 74 + 90 / 10	395,304	271,480	232,597	311,546	1,839,659	1,839,659
25 Percentage of Volumes Hedged	In 22 / In 24	32.89%		232,597	311,546	550,764	1,980,909
26						2.04%	7.13%
27 Hedge Price	In 162	\$ 3,8755	\$ -	\$ -	\$ -	\$ 4,0225	\$ 3,8872
28 NYMEX Price	In 10	\$ 4,5793	\$ -	\$ -	\$ -	\$ 4,5919	\$ 4,5803
29							
30 Hedged Volumes at Hedged Price	In 22 * In 27	\$ 503,810	\$ -	\$ -	\$ -	\$ 45,253	\$ 549,063
31 Less Hedged Volumes at NYMEX	In 22 * In 28	595,313	-	-	-	51,659	646,973
32 Hedge (Savings)/Loss	In 30 - In 31	\$ (91,503)	\$ -	\$ -	\$ -	\$ (6,406)	\$ (97,909)

1 ENERGY NORTH NATURAL GAS, INC.												
3 Off Peak 2014 Summer Cost of Gas Filing												
4 NYMEX Futures @ Henry Hub and Hedged Contracts												
5	6	For Month of:	Reference									
35	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	May - Oct Off Peak Strip Average REDACTED					
36												
37												
38	Hedged Volumes (Dth)											
39	Hedge 1	Trade Date	5/25/12				Swaps					
40	Hedge 2	Trade Date	6/8/12				Swaps					
41	Hedge 3	Trade Date	6/21/12				Swaps					
42	Hedge 4	Trade Date	7/5/12				Swaps					
43	Hedge 5	Trade Date	7/20/12				Swaps					
44	Hedge 6	Trade Date	10/5/12				Swaps					
45	Hedge 7	Trade Date	11/20/12				Swaps					
46	Hedge 8	Trade Date	11/30/12				Swaps					
47	Hedge 9	Trade Date	1/4/13				Swaps					
48	Hedge 10	Trade Date	2/15/13				Swaps					
49	Hedge 11	Trade Date	3/1/13				Swaps					
50	Hedge 12	Trade Date	7/5/13				Swaps					
51	Hedge 13	Trade Date	8/2/13				Swaps					
52	Hedge 14	Trade Date	10/11/13				Swaps					
53	Hedge 15	Trade Date	10/18/13				Swaps					
54	Hedge	Trade Date					Swaps					
55	Hedge	Trade Date					Swaps					
56	Hedge	Trade Date					Swaps					
57	Hedge	Trade Date					Swaps					
58	Hedge	Trade Date					Swaps					
59	Hedge	Trade Date					Swaps					
60	Hedge	Trade Date					Swaps					
61	Hedge	Trade Date					Swaps					
62	Hedge	Trade Date					Swaps					
63	Hedge	Trade Date					Swaps					
64	Hedge	Trade Date					Swaps					
65	Hedge	Trade Date					Swaps					
66	Hedge	Trade Date					Swaps					
67	Hedge	Trade Date					Swaps					
68	Hedge	Trade Date					Swaps					
69	Hedge	Trade Date					Swaps					
70	Hedge	Trade Date					Swaps					
71	Hedge	Trade Date					Swaps					
72	Hedge	Trade Date					Swaps					
73	Hedge	Trade Date					Swaps					
74	Hedge	Trade Date					Swaps					
75	Hedge	Trade Date					Swaps					
				130,000	-	-	-	-	-	11,250	141,250	
6												

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1 ENERGY NORTH NATURAL GAS, INC.					
3 Off Peak 2014 Summer Cost of Gas Filing					
4 NYMEX Futures @ Henry Hub and Hedged Contracts					
5	6 For Month of:	Reference		May-14	Jun-14
79	Strike Price			Jul-14	Aug-14
80				Sep-14	Oct-14
81	Hedge 1	Trade Date	5/25/12	May - Oct Off Peak Strip Average REDACTED May - Oct	
82	Hedge 2	Trade Date	6/8/12		
83	Hedge 3	Trade Date	6/21/12		
84	Hedge 4	Trade Date	7/5/12		
85	Hedge 5	Trade Date	7/20/12		
86	Hedge 6	Trade Date	10/5/12		
87	Hedge 7	Trade Date	11/20/12		
88	Hedge 8	Trade Date	11/30/12		
89	Hedge 9	Trade Date	1/4/13		
90	Hedge 10	Trade Date	2/15/13		
91	Hedge 11	Trade Date	3/1/13		
92	Hedge 12	Trade Date	7/5/13		
93	Hedge 13	Trade Date	8/2/13		
94	Hedge 14	Trade Date	10/11/13		
95	Hedge 15	Trade Date	10/18/13		
96	Hedge	Trade Date			
97	Hedge	Trade Date			
98	Hedge	Trade Date			
99	Hedge	Trade Date			
100	Hedge	Trade Date			
101	Hedge	Trade Date			
102	Hedge	Trade Date			
103	Hedge	Trade Date			
104	Hedge	Trade Date			
105	Hedge	Trade Date			
106	Hedge	Trade Date			
107	Hedge	Trade Date			
108	Hedge	Trade Date			
109	Hedge	Trade Date			
110	Hedge	Trade Date			
111	Hedge	Trade Date			
112	Hedge	Trade Date			
113	Hedge	Trade Date			
114	Hedge	Trade Date			
115	Hedge	Trade Date			
116	Hedge	Trade Date			
117	Hedge	Trade Date			
118				THIS PAGE HAS BEEN REDACTED	
119					

1 ENERGY NORTH NATURAL GAS, INC.

3 Off Peak 2014 Summer Cost of Gas Filing

4 NYMEX Futures @ Henry Hub and Hedged Contracts

5

6 For Month of:

Reference

May-14

Jun-14

Jul-14

Aug-14

Sep-14

Oct-14

May - Oct
Off Peak
Strip Average

REDACTED
May- Oct

120

121 Hedge Dollars

122 Hedge 1

123 Hedge 2

124 Hedge 3

125 Hedge 4

126 Hedge 5

127 Hedge 6

128 Hedge 7

129 Hedge 8

130 Hedge 9

131 Hedge 10

132 Hedge 11

133 Hedge 12

134 Hedge 13

135 Hedge 14

136 Hedge 15

137 Hedge 16

138 Hedge 17

139 Hedge 18

140 Hedge 19

141 Hedge 20

142 Hedge 21

143 Hedge 22

144 Hedge 23

145 Hedge 24

146 Hedge

147 Hedge

148 Hedge

149 Hedge

150 Hedge

151 Hedge

152 Hedge

153 Hedge

154 Hedge

155 Hedge

156 Hedge

157 Hedge

158 Hedge

159

160 Subtotal Hedge Dollars

161

162

163

164

165

Weighted Average Hedged Cost per Unit

\$503,810

\$0

\$0

\$0

\$0

\$0

\$45,253

\$549,063

\$3.8755

\$0.0000

\$0.0000

\$0.0000

\$0.0000

\$4.0225

\$3.8872

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- 1 ENERGY NORTH NATURAL GAS, INC.
 3 Off Peak 2014 Summer Cost of Gas Filing
 4 NYMEX Futures @ Henry Hub and Hedged Contracts
 5

6 For Month of:	Reference	Days	Date	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	May - Oct Off Peak Strip Average
166										
167	NYMEX Settlement - 15 Day Average									
168										
169			2/18/2014	4.662	4.675	4.703	4.688	4.661	4.673	
170			2/19/2014	4.754	4.762	4.787	4.767	4.725	4.735	
171			2/20/2014	4.669	4.679	4.705	4.684	4.641	4.651	
172			2/21/2014	4.766	4.773	4.8	4.779	4.739	4.748	
173			2/22/2014							
174			2/23/2014							
175			2/24/2014	4.518	4.544	4.578	4.565	4.533	4.543	
176			2/25/2014	4.565	4.583	4.618	4.606	4.576	4.59	
177			2/26/2014	4.464	4.484	4.519	4.508	4.482	4.495	
178			2/27/2014	4.474	4.495	4.529	4.518	4.493	4.505	
179			2/28/2014	4.55	4.568	4.599	4.586	4.557	4.565	
180			3/1/2014							
181			3/2/2014							
182			3/3/2014	4.455	4.478	4.513	4.501	4.467	4.476	
183			3/4/2014	4.583	4.6	4.634	4.622	4.586	4.593	
184			3/5/2014	4.484	4.505	4.539	4.529	4.496	4.505	
185			3/6/2014	4.603	4.622	4.653	4.641	4.604	4.611	
186			3/7/2014	4.567	4.589	4.622	4.615	4.58	4.587	
187			3/8/2014							
188			3/9/2014							
189			3/10/2014	4.576	4.601	4.636	4.629	4.594	4.602	
190										
191										
192										
193										
194										
195										
196										
197										
198										
199										
200										
201										
202										
203										
204										
205										
206										
	15 Day Average			4.5793	4.5972	4.6290	4.6159	4.5823	4.5919	

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Liberty Utilities (Energy/North Natural Gas) Corp.

2 Off Peak 2014 Summer Cost of Gas Filing
3 Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Residential Heating Rate R-3

6 November 1, 2013 - April 30, 2014
7 Residential Heating (R3)

	Typical Usage (Therms)	Nov-13 48	Dec-13 94	Jan-14 130	Feb-14 159	Mar-14 126	Apr-14 95	Winter Nov-Apr 650
10	7/1/2013							
11	Typical Usage (Therms)							
12	Winter:							
13	Cust. Chg	\$17.40	\$17.40	\$17.40	\$17.40	\$17.40	\$17.40	\$104.40
14	Headblock	\$13.10	\$25.80	\$27.52	\$27.52	\$26.02	\$26.02	\$147.49
15	Tailblock	\$0.00	\$0.00	\$6.72	\$13.40	\$5.83	\$0.00	\$25.95
16	HB Threshold							
17	100							
18	Summer:							
19	Cust. Chg	\$17.40						
20	Headblock	\$0.2752						
21	Tailblock	\$0.2274						
22	HB Threshold							
23	20							
24	Total Base Rate Amount	\$30.50	\$43.20	\$51.64	\$58.32	\$50.75	\$43.42	\$277.84
25	CGA Rate - (Seasonal)							
26	CGA amount	\$0.8895	\$0.8895	\$1.0196	\$1.1119	\$1.2919	\$1.2919	\$11.061
27	CGA amount	\$42.35	\$83.41	\$132.11	\$176.70	\$162.32	\$122.16	\$719.04
28	LDAC	\$0.0290	\$0.0290	\$0.0290	\$0.0290	\$0.0290	\$0.0290	0.0290
29	LDAC amount	\$1.38	\$2.72	\$3.76	\$4.61	\$3.64	\$2.74	\$18.85
30	LDAC amount							
31	Total Bill	\$74.23	\$129.33	\$187.51	\$239.63	\$216.72	\$168.32	\$1,015.73

34 November 1, 2012 - April 30, 2013
35 Residential Heating (R3)

	Typical Usage (Therms)	Nov-12 48	Dec-12 94	Jan-13 130	Feb-13 159	Mar-13 126	Apr-13 95	Winter Nov-Apr 650
37	7/1/2012							
38	7/1/2012							
39	5/1/2012							
40	Winter:							
41	Cust. Chg	\$17.31	\$17.31	\$17.31	\$17.31	\$17.31	\$17.31	\$103.86
42	Headblock	13.04	25.68	27.39	27.39	25.90	25.90	\$146.79
43	Tailblock	\$0.00	\$0.00	\$6.69	\$13.33	\$5.80	\$0.00	\$25.83
44	HB Thresh							
45	100							
46	Summer:							
47	Cust. Chg	\$17.31						
48	Headblock	\$0.2739						
49	Tailblock	\$0.2263						
50	HB Thresh							
51	20							
52	Total Base Rate Amount	\$30.35	\$42.99	\$51.39	\$58.03	\$50.50	\$43.21	\$276.48
53	CGA Rate - (Seasonal)							
54	CGA amount	\$0.6719	\$0.6799	\$0.6565	\$0.8399	\$0.8399	\$0.8399	\$0.7680
55	CGA amount	\$13.99	\$63.75	\$85.06	\$133.47	\$105.53	\$79.42	\$499.22
56	LDAC	\$0.0258	\$0.0258	\$0.0258	\$0.0258	\$0.0258	\$0.0258	0.0258
57	LDAC amount	\$1.23	\$2.42	\$3.34	\$4.10	\$3.24	\$2.44	\$16.77
58	LDAC amount							
59	Total Bill	\$63.57	\$109.16	\$139.80	\$195.61	\$159.28	\$125.07	\$792.48

61

62 DIFFERENCE:

63	Total Bill	\$10.66	\$20.17	\$47.71	\$44.02	\$57.44	\$43.26	\$223.26
64	% Change	16.78%	18.47%	34.13%	22.50%	36.06%	34.59%	28.17%
65	Base Rate	\$0.15	\$0.21	\$0.25	\$0.28	\$0.25	\$0.21	\$1.36
66	% Change	0.50%	0.49%	0.49%	0.49%	0.49%	0.49%	0.49%
67	CGA & LDAC	\$10.51	\$19.95	\$47.46	\$43.73	\$57.19	\$43.04	\$221.90
68	% Change	32.86%	31.30%	55.80%	32.77%	54.20%	54.20%	44.45%
69	check	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

May 1, 2014 - October 31, 2014

	May-14 46	Jun-14 27	Jul-14 18	Aug-14 15	Sep-14 16	Oct-14 26	Summer May-Oct 147	Total Nov-Oct 797
Typical Usage (Therms)								
Winter:								
Cust. Chg	\$17.40	\$17.40	\$17.40	\$17.40	\$17.40	\$17.40	\$104.40	\$208.80
Headblock	\$5.48	\$5.48	\$4.82	\$4.11	\$4.28	\$5.50	\$29.67	\$177.16
Tailblock	\$5.97	\$1.57	\$0.00	\$0.00	\$0.00	\$1.30	\$8.84	\$34.79
HB Threshold								
100								
Summer:								
Cust. Chg	\$28.85	\$24.45	\$22.22	\$21.51	\$21.68	\$24.20	\$142.91	\$420.75
Headblock	\$0.5436	\$0.5436	\$0.5436	\$0.5436	\$0.5436	\$0.5436	\$0.5436	\$1.0024
Tailblock	\$25.21	\$14.65	\$9.52	\$8.11	\$8.46	\$13.97	\$79.92	\$798.96
LDAC	\$0.0290	\$0.0290	\$0.0290	\$0.0290	\$0.0290	\$0.0290	\$0.0290	\$0.0290
LDAC amount	\$1.34	\$0.78	\$0.51	\$0.43	\$0.45	\$0.75	\$4.26	\$23.12
Total Bill	\$55.40	\$39.88	\$32.24	\$30.05	\$30.59	\$38.92	\$227.09	\$1,242.82

May 1, 2013 - October 31, 2013

	May-13 46	Jun-13 27	Jul-13 18	Aug-13 15	Sep-13 16	Oct-13 26	Summer May-Oct 147	Total Nov-Oct 797
Typical Usage (Therms)								
Winter:								
Cust. Chg	\$17.31	\$17.31	\$17.40	\$17.40	\$17.40	\$17.40	\$104.22	\$208.08
Headblock	\$5.48	\$5.48	\$4.80	\$4.09	\$4.26	\$5.48	\$29.59	\$176.38
Tailblock	\$5.97	\$1.57	\$0.00	\$0.00	\$0.00	\$1.29	\$8.84	\$34.66
HB Threshold								
100								
Summer:								
Cust. Chg	\$28.77	\$24.36	\$22.20	\$21.49	\$21.66	\$24.17	\$142.65	\$419.13
Headblock	\$0.6732	\$0.7091	\$0.7091	\$0.6640	\$0.6640	\$0.6640	\$0.6805	\$0.7518
Tailblock	\$31.22	\$19.11	\$12.42	\$9.91	\$10.33	\$17.07	\$100.05	\$599.28
LDAC	\$0.0258	\$0.0258	\$0.0258	\$0.0258	\$0.0258	\$0.0258	\$0.0258	\$0.0258
LDAC amount	\$1.20	\$0.70	\$0.45	\$0.39	\$0.40	\$0.66	\$3.79	\$20.56
Total Bill	\$61.18	\$44.17	\$35.06	\$31.78	\$32.40	\$41.90	\$246.49	\$1,036.97

May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer	Total
(\$5.78)	(\$4.29)	(\$2.82)	(\$1.73)	(\$1.80)	(\$2.98)	(\$19.40)	\$203.86
-9.45%	-9.71%	-8.04%	-5.44%	-5.57%	-7.11%	-7.87%	19.62%
\$0.08	\$0.08	\$0.02	\$0.02	\$0.02	\$0.03	\$0.26	\$1.62
0.28%	0.35%	0.10%	0.09%	0.09%	0.13%	0.18%	0.39%
(\$5.86)	(\$4.37)	(\$2.84)	(\$1.75)	(\$1.82)	(\$3.01)	(\$19.66)	\$202.23
-18.78%	-22.89%	-22.89%	-17.65%	-17.65%	-17.65%	-19.65%	33.75%
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Liberty Utilities (Energy/North Natural Gas) Corp.

- 2 Off Peak 2014 Summer Cost of Gas Filing
3 Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Commercial Rate G-41

November 1, 2013 - April 30, 2014

Commercial Rate (G-41)

	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	Winter Nov-Apr
	106	248	374	452	369	267	1,816
8 Typical Usage (Therms)							
10 Winter:							
11 Cust. Chg	\$40.94	\$40.94	\$40.94	\$40.94	\$40.94	\$40.94	\$245.64
12 Headblock	\$32.67	\$32.67	\$32.67	\$32.67	\$32.67	\$32.67	\$196.02
13 Tailblock	\$1.29	\$31.39	\$58.33	\$74.83	\$57.08	\$35.43	\$258.35
14 HB Threshold							
15 Summer:							
16 Cust. Chg	\$40.94	\$40.94	\$40.94	\$40.94	\$40.94	\$40.94	\$245.64
17 Headblock	\$32.67	\$32.67	\$32.67	\$32.67	\$32.67	\$32.67	\$196.02
18 Tailblock	\$1.29	\$31.39	\$58.33	\$74.83	\$57.08	\$35.43	\$258.35
19 HB Threshold							
20 Total Base Rate Amount	\$74.90	\$105.00	\$131.94	\$148.44	\$130.69	\$109.04	\$700.01
21 CGA Rate - (Seasonal)	\$0.8908	\$0.8908	\$1.0209	\$1.1135	\$1.2935	\$1.2935	\$11.140
22 CGA amount	\$94.47	\$220.65	\$382.33	\$503.46	\$476.80	\$345.04	\$2,022.74
23 LDAC	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	0.0357
24 LDAC amount	\$3.79	\$8.84	\$13.37	\$16.14	\$13.16	\$9.52	\$64.82
25 Total Bill	\$173.15	\$334.49	\$527.64	\$668.04	\$620.65	\$463.61	\$2,787.57

November 1, 2012 - April 30, 2013

Commercial Rate (G-41)

	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	Winter Nov-Apr
	106	248	374	452	369	267	1,816
8 Typical Usage (Therms)							
10 Winter:							
11 Cust. Chg	\$40.74	\$40.74	\$40.74	\$40.74	\$40.74	\$40.74	\$244.44
12 Headblock	\$32.51	\$32.51	\$32.51	\$32.51	\$32.51	\$32.51	\$195.06
13 Tailblock	\$1.28	\$31.22	\$58.03	\$74.44	\$56.78	\$35.25	\$257.01
14 HB Threshold							
15 Summer:							
16 Cust. Chg	\$40.74	\$40.74	\$40.74	\$40.74	\$40.74	\$40.74	\$244.44
17 Headblock	\$32.51	\$32.51	\$32.51	\$32.51	\$32.51	\$32.51	\$195.06
18 Tailblock	\$1.28	\$31.22	\$58.03	\$74.44	\$56.78	\$35.25	\$257.01
19 HB Threshold							
20 Total Base Rate Amount	\$74.53	\$104.47	\$131.28	\$147.69	\$130.03	\$108.50	\$696.51
21 CGA Rate - (Seasonal)	\$0.6736	\$0.6816	\$0.6582	\$0.8420	\$0.8420	\$0.8420	\$0.7724
22 CGA amount	\$71.43	\$168.83	\$246.49	\$380.70	\$310.37	\$224.60	\$1,402.43
23 LDAC	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	0.0187
24 LDAC amount	\$1.98	\$4.63	\$7.00	\$8.46	\$6.89	\$4.99	\$33.95
25 Total Bill	\$147.95	\$277.94	\$384.78	\$536.85	\$447.30	\$338.09	\$2,132.90

DIFFERENCE:

62 Total Bill	\$25.20	\$56.55	\$142.86	\$131.19	\$173.35	\$125.52	\$654.67
63 % Change	17.04%	20.35%	37.13%	24.44%	38.75%	37.12%	30.69%
64 Base Rate	\$0.37	\$0.52	\$0.66	\$0.75	\$0.66	\$0.54	\$3.50
65 % Change	0.49%	0.50%	0.50%	0.51%	0.50%	0.50%	0.50%
66 CGA & LDAC	\$24.84	\$56.03	\$142.20	\$130.44	\$172.69	\$124.97	\$651.17
67 % Change	34.77%	33.19%	57.69%	34.26%	55.64%	55.64%	46.43%
68 check	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

May 1, 2014 - October 31, 2014

	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Summer May-Oct	Total Nov-Oct
	87	46	28	24	25	48	258	2,073
8 Typical Usage (Therms)								
10 Winter:								
11 Cust. Chg	\$40.94	\$40.94	\$40.94	\$40.94	\$40.94	\$40.94	\$245.64	\$491.28
12 Headblock	\$6.50	\$6.50	\$6.53	\$6.53	\$6.53	\$6.53	\$39.14	\$235.16
13 Tailblock	\$14.25	\$5.43	\$1.63	\$0.75	\$1.16	\$5.91	\$29.13	\$287.48
14 HB Threshold								
15 Summer:								
16 Cust. Chg	\$61.70	\$52.87	\$49.11	\$48.23	\$48.63	\$53.38	\$313.91	\$1,013.92
17 Headblock	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$1.0434
18 CGA amount	\$47.70	\$24.92	\$15.11	\$12.84	\$13.88	\$26.08	\$140.54	\$2,163.28
19 LDAC	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357
20 LDAC amount	\$3.12	\$1.63	\$0.99	\$0.84	\$0.91	\$1.71	\$9.20	\$74.02
21 Total Bill	\$112.52	\$79.43	\$65.20	\$61.91	\$63.42	\$81.17	\$463.65	\$3,251.21

May 1, 2013 - October 31, 2013

	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer May-Oct	Total Nov-Oct
	87	46	28	24	25	48	258	2,073
8 Typical Usage (Therms)								
10 Winter:								
11 Cust. Chg	\$40.74	\$40.74	\$40.94	\$40.94	\$40.94	\$40.94	\$245.24	\$489.68
12 Headblock	\$6.51	\$6.51	\$6.50	\$6.50	\$6.50	\$6.50	\$39.02	\$234.08
13 Tailblock	\$14.27	\$5.43	\$1.63	\$0.75	\$1.15	\$5.88	\$29.10	\$286.11
14 HB Threshold								
15 Summer:								
16 Cust. Chg	\$61.52	\$52.68	\$49.07	\$48.19	\$48.59	\$53.32	\$313.37	\$1,009.88
17 Headblock	\$0.6759	\$0.7118	\$0.7118	\$0.6667	\$0.6667	\$0.6667	\$0.6827	\$0.7612
18 CGA amount	\$59.09	\$32.52	\$19.71	\$15.69	\$16.96	\$31.87	\$175.84	\$1,579.28
19 LDAC	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187
20 LDAC amount	\$1.63	\$0.85	\$0.52	\$0.44	\$0.48	\$0.89	\$4.82	\$38.77
21 Total Bill	\$122.25	\$86.05	\$69.29	\$64.32	\$66.03	\$86.08	\$494.03	\$2,626.93

62 Total Bill	(\$9.73)	(\$6.63)	(\$4.09)	(\$2.41)	(\$2.61)	(\$4.91)	(\$30.38)	\$624.29
63 % Change	-7.96%	-7.70%	-5.90%	-3.75%	-3.95%	-5.71%	-6.15%	23.76%
64 Base Rate	\$0.18	\$0.19	\$0.04	\$0.04	\$0.04	\$0.06	\$0.55	\$4.04
65 % Change	0.29%	0.36%	0.08%	0.07%	0.08%	0.12%	0.17%	0.40%
66 CGA & LDAC	(\$9.91)	(\$6.82)	(\$4.13)	(\$2.45)	(\$2.65)	(\$4.98)	(\$30.93)	\$620.24
67 % Change	-16.76%	-20.96%	-20.96%	-15.61%	-15.61%	-15.61%	-17.59%	39.30%
68 check	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Liberty Utilities (Energy/North Natural Gas) Corp.

2 Off Peak 2014 Summer Cost of Gas Filing
4 Annual Bill Comparisons, May 13 - Oct 13 vs May 14 - Oct 14 - Commercial Rate G-42

7 November 1, 2013 - April 30, 2014
8 C&H High Winter Use Medium G-42

	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	Winter Nov-Apr
	889	1,756	2,521	2,968	2,472	1,905	12,512
9							
10	Typical Usage (Therms)						
11	7/1/2013						
12							
13	Winter:						
14	Cust. Chg	\$122.81	\$122.81	\$122.81	\$122.81	\$122.81	\$736.86
15	Headblock	\$0.3053	\$305.30	\$305.30	\$305.30	\$305.30	\$1,797.83
16	Tailblock	\$0.2017	\$306.86	\$306.86	\$306.86	\$306.86	\$1,335.82
17	HB Threshold	1.00					
18							
19	Summer:						
20	Cust. Chg	\$122.81					
21	Headblock	\$0.3053					
22	Tailblock	\$0.2017					
23	HB Threshold	400					
24							
25	Total Base Rate Amount	\$394.14	\$580.62	\$734.97	\$825.15	\$724.96	\$3,870.51
26							
27	CGA Rate - (Seasonal)	\$0.8908	\$0.8908	\$1.0209	\$1.1135	\$1.2935	\$1,1107
28	CGA amount	\$791.67	\$1,564.38	\$2,574.06	\$3,305.37	\$3,197.19	\$13,896.95
29							
30	LDAC	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	0.0357
31	LDAC amount	\$31.73	\$62.69	\$90.01	\$105.97	\$88.24	\$446.66
32							
33	Total Bill	\$1,217.54	\$2,207.69	\$3,399.04	\$4,236.49	\$4,010.39	\$18,214.12

35 November 1, 2012 - April 30, 2013
36 C&H High Winter Use Medium G-42

	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	Winter Nov-Apr
	889	1,756	2,521	2,968	2,472	1,905	12,512
37							
38	Typical Usage (Therms)						
39	5/1/2012						
40							
41	Winter:						
42	Cust. Chg	\$122.22	\$122.22	\$122.22	\$122.22	\$122.22	\$733.32
43	Headblock	0.3041	\$303.80	\$303.80	\$303.80	\$303.80	\$1,768.99
44	Tailblock	\$0.2007	\$305.34	\$395.07	\$295.38	\$181.66	\$1,329.20
45	HB Threshr	1000					
46							
47	Summer:						
48	Cust. Chg	\$122.32					
49	Headblock	\$0.3038					
50	Tailblock	\$0.2007					
51	HB Threshr	400					
52							
53	Total Base Rate Amount	\$392.21	\$577.78	\$821.09	\$721.40	\$607.68	\$3,851.51
54							
55	CGA Rate - (Seasonal)	\$0.6736	\$0.6816	\$0.6582	\$0.8420	\$0.8420	\$0,7705
56	CGA amount	\$598.64	\$1,196.99	\$1,659.56	\$2,499.44	\$1,604.12	\$9,639.95
57							
58	LDAC	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	0.0187
59	LDAC amount	\$16.62	\$32.84	\$47.15	\$55.51	\$35.63	\$233.97
60							
61	Total Bill	\$1,007.48	\$1,807.61	\$2,438.07	\$3,376.04	\$2,848.82	\$13,725.43

63 DIFFERENCE:

64	Total Bill	\$210.06	\$400.09	\$960.97	\$860.46	\$1,161.57	\$895.55	\$4,488.69
65	% Change	20.85%	22.13%	39.42%	25.49%	40.77%	39.85%	32.70%
66								
67	Base Rate	\$1.92	\$2.85	\$3.61	\$4.06	\$3.56	\$3.00	\$19.00
68	% Change	0.49%	0.49%	0.49%	0.49%	0.49%	0.49%	0.41%
69								
70	CGA & LDAC	\$208.14	\$397.24	\$957.36	\$856.40	\$1,158.01	\$892.55	\$4,469.70
71	% Change	34.77%	33.19%	57.69%	34.26%	55.64%	55.64%	46.37%
	check	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

May 1, 2014 - October 31, 2014

May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Summer May-Oct	Total Nov-Oct
953	451	313	254	279	508	2,758	15,270
\$122.81	\$122.81	\$122.81	\$122.81	\$122.81	\$122.81	\$736.86	\$1,473.72
\$121.52	\$121.52	\$95.51	\$77.45	\$85.33	\$122.12	\$623.44	\$2,421.27
\$111.03	\$10.24	\$0.00	\$0.00	\$0.00	\$21.82	\$143.09	\$1,478.91
\$355.36	\$254.57	\$218.32	\$200.26	\$208.14	\$266.75	\$1,503.39	\$5,373.90
\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$0.5456	\$1,0086
\$520.07	\$246.07	\$170.68	\$138.41	\$152.49	\$277.28	\$1,504.99	\$15,401.94
\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357	\$0.0357
\$34.03	\$16.10	\$11.17	\$9.06	\$9.98	\$18.14	\$98.48	\$545.14
\$909.46	\$516.74	\$400.16	\$347.73	\$370.60	\$562.17	\$3,106.86	\$21,320.98

May 1, 2013 - October 31, 2013

May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Summer May-Oct	Total Nov-Oct
953	451	313	254	279	508	2,758	15,270
\$122.22	\$122.22	\$122.81	\$122.81	\$122.81	\$122.81	\$735.68	\$1,469.00
\$121.64	\$121.52	\$95.04	\$77.07	\$84.91	\$121.52	\$621.69	\$2,410.69
\$111.14	\$10.24	\$0.00	\$0.00	\$0.00	\$21.72	\$143.09	\$1,472.29
\$355.00	\$253.98	\$217.85	\$199.88	\$207.72	\$266.05	\$1,500.47	\$5,351.98
\$0.6759	\$0.7118	\$0.7118	\$0.6667	\$0.6667	\$0.6667	\$0.6824	\$0,7546
\$644.27	\$321.03	\$222.67	\$169.13	\$186.33	\$338.82	\$1,882.25	\$11,522.20
\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187	\$0.0187
\$17.83	\$8.43	\$5.85	\$4.74	\$5.23	\$9.50	\$51.58	\$285.55
\$1,017.10	\$583.44	\$446.37	\$373.75	\$398.27	\$614.37	\$3,434.30	\$17,159.73

\$107.64	\$66.70	\$46.20	\$26.03	\$28.67	\$52.20	\$327.44	\$4,161.25
-10.98%	-11.43%	-10.35%	-6.96%	-7.18%	-8.50%	-9.53%	24.25%
\$0.36	\$0.59	\$0.47	\$0.38	\$0.42	\$0.71	\$2.93	\$21.92
0.10%	0.23%	0.22%	0.19%	0.20%	0.27%	0.20%	0.41%
\$108.00	\$67.29	\$46.67	\$26.41	\$29.09	\$52.90	\$330.37	\$4,139.33
-16.76%	-20.96%	-20.96%	-15.61%	-15.61%	-15.61%	-17.55%	35.92%
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Total Bill	\$281.52	\$370.54	\$729.08	\$589.13	\$958.59	\$724.94	\$3,553.79
% Change	24.53%	24.46%	43.05%	27.08%	43.77%	43.07%	34.92%
Base Rate	\$1.50	\$1.72	\$1.86	\$1.92	\$1.81	\$1.67	\$1.048
% Change	0.48%	0.47%	0.47%	0.47%	0.47%	0.47%	0.47%
CGA & LDAC	\$280.02	\$368.82	\$727.22	\$587.21	\$856.77	\$723.27	\$3,543.31
% Change	34.57%	32.97%	57.71%	34.06%	55.64%	55.64%	45.70%
check	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

[illegible]

Liberty Utilities (Energy/North Natural Gas) Corp.

2 Off Peak 2014 Summer Cost of Gas Filing

3 Residential Heating

	Summer 2013	Summer 2014
4	\$17.31	\$17.40
5 Customer Charge	\$0.2739	\$0.2752
6 First 20 Therms	\$0.2274	\$0.2274
7 Excess 20 Therms	\$0.0258	\$0.0290
8 LDAC	\$0.6805	\$0.5436
9 CGA	\$0.7063	\$0.5726
10 Total Adjust		
11		
12		
13		
14		

Summer 2013 CGA @ Summer 2014 CGA @

	Summer 2013 CGA @	Summer 2014 CGA @
15	\$0.7063	\$0.5726
16		
17		
18 Cooking alone	5 \$22.21	\$21.64
19		
20	10 \$27.11	\$25.88
21		
22	20 \$36.91	\$34.36
23		
24 Water Heating alone	30 \$46.24	\$42.36
25		
26	45 \$60.23	\$54.36
27		
28	50 \$64.89	\$58.36
29		
30 Heating Alone	80 \$88.21	\$78.36
31		
32	125 \$142.30	\$124.76
33		
34	150 \$158.16	\$138.36
35		
36	200 \$204.79	\$178.36
37		

	Total \$ Impact	% Impact	Base Rate \$ Impact	% Impact	CGA \$ Impact	% Impact	LDAC \$ Impact	% Impact
	(\$0.13)	-19%						
	(\$0.57)	-3%	\$0.10	0%	-\$0.68	-3%	\$0.02	0%
	(\$1.23)	-5%	\$0.10	0%	-\$1.37	-5%	\$0.03	0%
	(\$2.56)	-7%	\$0.12	0%	-\$2.74	-8%	\$0.06	0%
	(\$3.89)	-8%	\$0.13	0%	-\$4.11	-10%	\$0.10	0%
	(\$5.87)	-10%	\$0.14	0%	-\$6.16	-11%	\$0.14	0%
	(\$6.54)	-10%	\$0.15	0%	-\$6.85	-12%	\$0.16	0%
	(\$9.85)	-11%	\$0.18	0%	-\$10.27	-13%	\$0.24	0%
	(\$17.55)	-12%	\$0.24	0%	-\$18.21	-15%	\$0.43	0%
	(\$19.80)	-13%	\$0.26	0%	-\$20.54	-15%	\$0.48	0%
	(\$26.43)	-13%	\$0.31	0%	-\$27.39	-15%	\$0.64	0%

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1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Variance Analysis of the Components of the Summer 2013 Actual Results vs Proposed Summer 2014 Cost of Gas Rate

	SUMMER SALES ACTUAL RESULTS (6 months actual)			SUMMER 2014 (6 months Proposed)		
	16,667,270			19,670,156		
	THERM SENDOUT	COSTS	EFFECT ON COST OF GAS	THERM SENDOUT	COSTS	EFFECT ON COST OF GAS
11 Therm Sales						
12						
13						
14						
15						
16 Demand Charges	\$	4,440,631	\$ 0.2664	\$	3,627,974	\$ 0.1844
17						
18 Purchased Gas	14,821,060	\$ 5,001,063	0.3001	19,809,091	7,856,640	0.3994
19						
20 Storage Gas	850,860	375,506	0.0225	0	0	0.0000
21						
22 Produced Gas	114,710	141,862	0.0085	119,852	204,753	0.0104
23						
24 Hedging (Gain)/Loss		(15,045)	(0.0009)		(97,909)	(0.0050)
25						
26						
27 Total Volumes and Cost	15,786,630	\$ 9,944,017	\$ 0.5966	19,928,944	\$ 11,591,457	\$ 0.5893
28						
29 Direct Costs						
30 Prior Period Balance	\$	45,806	\$ 0.0027		(1,146,406)	\$ (0.0583)
31 Interest		1,171	0.0001		(27,251)	(0.0014)
32 Prior Period Adjustment		-	-		-	-
33 Broker Revenues		-	-		-	-
34 Refunds from Suppliers		-	-		-	-
35 Fuel Financing		-	-		-	-
36 Transportation CGA Revenues		-	-		-	-
37 280 Day Margin		-	-		-	-
38 Interruptible Sales Margin		-	-		-	-
39 Capacity Release and Off System Sales Margins		-	-		-	-
40 Hedging Costs		-	-		50,495	0.0026
41 FPO Admin Costs		-	-		-	-
42 Indirect Costs						
43 Misc Overhead		2,833	0.0002		2,801	0.0001
44 Occupant Disallowance/Credits		(9,432)	-		-	-
45 Production & Storage		-	-		-	-
46 Other Indirect Gas Costs		10,611	0.0006		221,270	0.0112
47 Cash out, Broker penalty, Canadian Managed....		-	-		0	0
48 Total Adjusted Cost	\$	9,995,006	\$ 0.5997	\$	10,692,366	\$ 0.5436

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Liberty Utilities (EnergyNorth Natural Gas) Corp.

2014 Summer Cost of Gas Filing

Capacity Assignment Calculations 2013-2014

Derivation of Class Assignments and Weightings

Basic assumptions:

- 1 Residential class pays average seasonal gas cost rate (using MBA method to allocate costs to seasons)
- 2 Residual gas costs are allocated to C&I HLF and LLF classes based on MBA method
- 3 The MBA method allocates capacity costs based on design day demands in two pieces:
 - a The base use portion of the class design day demand based on base use
 - b The remaining portion of design day demand based on remaining design day demand
- 4 Base demand is composed solely of pipeline supplies
- 5 Remaining demand consists of a portion of pipeline and all storage and peaking supplies

		Column A	Column B	Column C	Column D	Column E	Column F
		Design Day Demand, Dekatherm	Adjusted Design Day Demand, Dt	Percent of Total		Avg Daily Base Use Load, Dt	Remaining Design Day Demand
1	RATE R-1-Resi Non-Htg	719	759	0.5%		129	630
2	RATE R-3-Resi Htg	60,850	64,708	46.4%		3,754	60,954
3	RATE G-41 (T)	23,805	25,356	18.2%		839	24,517
4	RATE G-51 (S)	2,754	2,898	2.1%		635	2,263
5	RATE G-42 (V)	32,225	34,280	24.6%		1,814	32,466
6	RATE G-52	4,262	4,458	3.2%		1,352	3,106
7	RATE G-43	5,277	5,601	4.0%		478	5,123
8	RATE G-53	1,091	1,139	0.8%		384	755
9	RATE G-54	403	403	0.3%		403	0
10							
11	Total	131,386	139,602	100.0%		9,786	129,816
12							-
13	Residential Total	61,570	65,467	46.895%		3,883	61,584
14	LLF Total	61,307	65,237	46.731%		3,130	62,107
15	HLF Total	8,510	8,898	6.374%		2,773	6,125
16	Total	131,386	139,602	100.0%		9,786	129,816
17							
18	C&I Breakdown						
19	LLF Total					3,130	62,107
20	HLF Total					2,773	6,125
21	Total					5,903	68,232
22							
23	C&I Breakdown Percentage						
24	LLF Total					53.025%	91.023%
25	HLF Total					46.975%	8.977%
26	Total					100.0%	100.0%
27							
28		Capacity Cost	MDQ, Dt	\$/Dt-Mo.			
29	Pipeline	\$6,505,816	53,718	\$10.0925			
30	Storage	\$4,329,621	28,115	\$12.8331			
31							
32	Peaking	\$5,457,814					
33	Peaking Additional Costs (Concord Lateral Peaking x Differential)	<u>\$3,971,796</u>					
34	Subtotal Peaking Costs	<u>\$9,429,611</u>	57,767	\$13.6029			
35	Total	\$20,265,047	139,600	\$12.0971			
36							
37		Capacity Cost	MDQ, Dt	\$/Dt-Mo.			
38	Pipeline - Baseload	1,185,216	9,786	\$10.0925			
39	Pipeline - Remaining	5,320,600	43,932	\$10.0926			
40	Storage	4,329,621	28,115	\$12.8331			
41	Peaking	<u>9,429,611</u>	<u>57,767</u>	<u>\$13.6029</u>			
42	Total	20,265,047	139,600	\$12.0971			
43							
44							
45	Residential Allocation	Capacity Cost	MDQ, Dt	\$/Dt-Mo.			
46	Pipeline - Base	Line 38 * Line 13 Col C	555,806	4,589	\$10.0925		
47	Pipeline - Remaining	Line 39 * Line 13 Col C	2,495,106	20,602	\$10.0926		
48	Storage	Line 40 * Line 13 Col C	2,030,381	13,185	\$12.8331		
49	Peaking	Line 41 * Line 13 Col C	<u>4,422,031</u>	<u>27,090</u>	<u>\$13.6029</u>		
50	Total	46.895%	9,503,324	65,466	\$12.0971		

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1 **Liberty Utilities (EnergyNorth Natural Gas) Corp.**3 **2014 Summer Cost of Gas Filing**4 **Correction Factor Calculation**7
8 Data Source: Schedule 10B
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d e f g h i

	May	June	July	Aug	Sep	Oct	Total Sales
11 G-41	987,201	624,721	189,791	117,374	121,150	315,340	2,355,576
12 G-42	1,207,205	735,933	279,680	166,011	185,598	506,176	3,080,602
13 G-43	113,889	89,044	41,623	22,902	24,337	73,668	365,463
14 High Winter Use	2,308,295	1,449,698	511,093	306,286	331,085	895,184	5,801,641
16 G-51	173,143	159,523	127,858	121,464	125,569	148,353	855,910
17 G-52	197,891	181,047	146,097	139,861	141,533	165,289	971,718
18 G-53	25,712	24,058	21,111	20,945	24,773	25,347	141,946
19 G-54	1,248	502	287	136	360	685	3,217
21 Low Winter Use	397,993	365,129	295,353	282,406	292,235	339,674	1,972,791
23 Gross Total	2,706,288	1,814,827	806,446	588,693	623,320	1,234,858	7,774,432

26 Total Sales

7,774,432

27 Low Winter Use

1,972,791

28 Summer Ratio for Low Winter Use

0.9622 Schedule 10A p 2, ln 74

29 High Winter Use

5,801,641

30 Summer Ratio for High Winter Use

1.0050 Schedule 10A p 2, ln 66

32 Correction Factor = Total Sales/((Low Winter Use x Winter Ratio for Low Winter Use)+(High Winter Use x Winter Ratio for High Winter Use)

100.5895%

36 **Allocation Calculation for Miscellaneous Overhead**

38 Projected Summer Sales Volume

(5/1/14 - 10/31/14)

20,376,551 Sch.10B, ln 23

39 Projected Annual Sales Volume

(11/1/13 - 10/31/14)

95,801,816 Sch.10B, ln 23

40 Percentage of Winter Sales to Annual Sales

21.27%

1. Liberty Utilities (Energy/North Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4
5
6

7 Firm Sales

8
9
10
11
12
13

9 R-1	63,481	86,166	111,543	108,953	104,340	72,681	547,165	57,555	63,775	62,762	78,814	86,285	60,851	410,041	957,206
10 R-3	3,211,154	6,576,580	9,241,972	9,775,107	8,701,303	6,188,382	43,694,498	3,546,688	2,575,618	1,341,233	1,149,730	1,215,970	1,663,264	11,492,502	55,187,000
11 R-4	226,606	383,991	533,050	567,020	537,527	384,097	2,632,291	238,265	171,824	77,923	63,477	64,876	83,211	699,576	3,331,867
12 Total Residential	3,501,242	7,046,737	9,886,565	10,451,080	9,343,171	6,645,160	46,873,954	3,842,507	2,811,217	1,481,918	1,292,020	1,367,131	1,807,326	12,602,119	59,476,073
13															
14 G-41	830,215	1,629,220	2,670,890	2,814,121	2,299,667	1,857,696	12,101,811	987,201	624,721	189,791	117,374	121,150	315,340	2,355,576	14,457,386
15 G-42	1,021,842	1,688,514	2,477,179	2,614,753	2,218,016	1,861,211	11,881,545	1,207,205	735,933	279,680	166,011	185,598	506,176	3,080,602	14,962,117
16 G-43	116,500	155,864	208,699	211,777	176,577	150,514	1,019,931	113,889	89,044	41,623	22,902	24,337	73,668	365,463	1,385,394
17 G-51	158,263	243,870	333,547	361,739	311,084	238,101	1,646,603	173,143	159,523	127,858	121,464	125,569	148,353	855,910	2,502,513
18 G-52	188,598	262,028	341,412	325,990	305,824	248,623	1,672,475	197,891	181,047	146,097	139,861	141,533	165,289	971,718	2,644,193
19 G-53	25,930	31,490	42,360	43,315	40,923	33,618	217,636	25,712	24,058	21,111	20,945	24,773	25,347	141,946	359,581
20 G-54	541	656	861	862	3,534	4,886	11,341	1,248	502	287	136	360	685	3,217	14,558
21 Total C/I	2,341,890	4,011,642	6,074,948	6,372,557	5,355,626	4,394,648	28,551,311	2,706,288	1,814,827	806,446	588,693	623,320	1,234,858	7,774,432	36,325,743
22															
23 Sales Volume	5,843,131	11,058,379	15,961,513	16,823,637	14,698,796	11,039,809	75,425,265	6,548,795	4,626,043	2,288,364	1,880,713	1,990,451	3,042,184	20,376,551	95,801,816
24															
25 Transportation Sales															
26															
27 G-41	367,120	610,207	799,527	934,412	863,376	667,628	4,242,270	318,255	186,696	146,137	117,472	136,222	298,754	1,203,536	5,445,806
28 G-42	1,263,110	2,027,703	2,642,772	3,052,532	2,743,640	2,082,623	13,812,380	909,822	518,009	373,926	298,260	374,344	896,774	3,371,135	17,183,514
29 G-43	695,089	979,373	1,124,837	1,228,553	1,144,310	912,302	6,084,465	433,319	288,191	210,144	199,855	243,142	574,564	1,949,215	8,033,680
30 G-51	96,162	124,497	164,302	148,602	170,787	156,079	860,428	117,172	92,850	81,803	68,743	75,069	86,844	522,483	1,382,911
31 G-52	378,707	465,114	543,824	536,139	552,010	439,679	2,915,474	398,532	321,616	292,761	288,227	280,413	325,270	1,906,820	4,822,294
32 G-53	868,164	988,847	1,223,836	1,132,607	1,160,427	1,034,095	6,407,976	841,907	694,688	682,395	681,522	700,258	773,449	4,374,218	10,782,194
33 G-54	1,378,001	1,402,370	1,347,586	1,462,023	1,304,741	1,287,163	8,181,884	1,415,490	1,440,223	1,365,875	1,369,043	1,364,475	1,429,612	8,384,719	16,566,603
34															
35 Total Trans. Sales	5,046,353	6,598,112	7,846,684	8,494,868	7,939,291	6,579,570	42,504,877	4,434,498	3,542,272	3,153,042	3,023,121	3,173,924	4,385,268	21,712,126	64,217,002
36															
37 Total All Sales	10,889,485	17,656,491	23,808,197	25,318,504	22,638,087	17,619,378	117,930,142	10,983,294	8,168,315	5,441,406	4,903,834	5,164,376	7,427,452	42,088,677	160,018,819

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Normal and Design Year Volumes

Schedule 11A
Page 1 of 1

7 Volumes (TTherms)	Normal Year	May-14	Jun-14	Jul-14	Aug-14	Sep-14	Oct-14	Off Peak May - Oct
13 Pipeline Gas:								
14 Dawn Supply	551,490	-	-	-	-	-	-	551,490
15 Niagara Supply	767,870	173,021	-	-	-	-	-	940,891
16 TGP Supply (Direct)	-	-	-	-	-	-	-	0
17 Dracut Supply 1 - Baseload	-	-	-	-	-	-	-	0
18 Dracut Supply 2 - Swing	-	-	-	-	-	-	-	-
19 City Gate Delivered Supply	-	-	-	-	-	-	-	0
20 LNG Truck	66,198	-	-	-	15,330	65,501	20,208	167,236
21 Propane Truck	80,134	80,134	80,134	80,134	80,134	36,234	-	356,770
22 PNGTS	25,085	17,420	16,724	16,724	16,724	20,208	35,538	131,698
23 TGP Supply (Zone 4)	6,262,000	6,060,000	5,828,868	5,828,868	5,380,118	5,840,713	5,516,694	34,888,393
24 Subtotal Pipeline Volumes	7,752,777	6,330,575	5,925,725	5,925,725	5,492,305	5,962,656	5,572,439	37,036,478
26 Storage Gas:								
27 TGP Storage	-	-	-	-	-	-	-	0
29 Produced Gas:								
30 LNG Vapor	20,208	19,511	20,208	20,208	20,208	19,511	20,208	119,852
31 Propane	-	-	-	-	-	-	-	0
32 Subtotal Produced Gas	20,208	19,511	20,208	20,208	20,208	19,511	20,208	119,852
34 Less - Gas Refills:								
35 LNG Truck	(66,198)	-	-	-	(15,330)	(65,501)	(20,208)	(167,236)
36 Propane	(80,134)	(80,134)	(80,134)	(80,134)	(80,134)	(36,234)	-	(356,770)
37 TGP Storage Refill	(3,653,407)	(3,535,645)	(3,653,407)	(3,653,407)	(3,070,869)	(2,745,456)	(44,596)	(16,703,381)
38 Subtotal Refills	(3,799,739)	(3,615,779)	(3,733,541)	(3,733,541)	(3,166,333)	(2,847,191)	(64,804)	(17,227,387)
40 Total Sendout Volumes	3,973,246	2,734,307	2,212,392	2,212,392	2,346,180	3,134,976	5,527,843	19,928,944

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

42 Normal and Design Year Volumes

Schedule 11B
Page 1 of 1

45 Volumes (Therms)	46 Design Year	47 For the Months of May 14 -October 14	48	49	50	51 May-14	52 Jun-14	53 Jul-14	54 Aug-14	55 Sep-14	56 Oct-14	57 Off Peak May - Oct
51 Pipeline Gas:												
52 Dawn Supply						572,395	-	-	-	-	-	572,395
53 Niagara Supply						767,870	143,755	-	-	-	-	911,625
54 TGP Supply (Direct)						-	-	-	-	-	-	-
55 Dracut Supply 1 - Baseload						-	-	-	-	-	-	-
56 Dracut Supply 2 - Swing						-	-	-	-	-	-	-
57 City Gate Delivered Supply						-	-	-	-	-	-	0
58 LNG Truck						-	-	-	-	-	-	0
59 Propane Truck						-	-	-	-	-	-	0
60 PNGTS						25,085	17,420	16,724	16,724	20,208	35,538	131,698
61 TGP Supply (Zone 4)						6,262,000	6,060,000	5,869,283	5,543,173	5,877,644	5,962,656	35,574,756
62 Other Purchased Resources						-	-	-	-	-	-	-
63 Subtotal Pipeline Volumes						7,627,350	6,221,175	5,886,007	5,559,897	5,897,852	5,998,194	37,190,474
64												
65 Storage Gas:												
66 TGP Storage						-	-	-	-	-	-	0
67												
68 Produced Gas:												
69 LNG Vapor						86,405	19,511	20,208	35,538	85,012	40,415	287,088
70 Propane						-	-	-	-	-	-	-
71 Subtotal Produced Gas						86,405	19,511	20,208	35,538	85,012	40,415	287,088
72												
73 Less - Gas Refills:												
74 LNG Truck						(66,198)	-	-	(15,330)	(65,501)	(20,208)	(167,236)
75 Propane						(80,134)	(80,134)	(80,134)	(80,134)	(36,234)	-	(356,770)
76 TGP Storage Refill						(3,653,407)	(3,535,645)	(3,653,407)	(3,214,413)	(2,714,796)	-	(16,771,669)
77 Subtotal Refills						(3,799,739)	(3,615,779)	(3,733,541)	(3,309,877)	(2,816,531)	(20,208)	(17,295,675)
78												
79 Total Sendout Volumes						3,914,017	2,624,907	2,172,673	2,285,557	3,166,332	6,018,401	20,181,888
difference						(59,229)	(109,400)	(39,719)	(60,623)	31,356	490,558	252,944

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Capacity Utilization

5 Volumes (Therms)

		Off-Peak Period Normal Year Use (Therms)	MDQ (MMBtu/day)	Seasonal Quantity (Therms)	Utilization Rate	Off-Peak Period Design Year Use (Therms)	MDQ (MMBtu/day)	Seasonal Quantity (Therms)	Utilization Rate
6									
7									
8									
9									
10									
11	Pipeline Gas:								
12	Dawn Supply	551,490	4,000	7,240,000	8%	572,395	4,000	7,240,000	8%
13	Niagara Supply	940,891	3,122	5,650,820	17%	911,625	3,122	5,650,820	16%
14	TGP Supply (Direct)	-	21,596	39,088,760	0%	-	21,596	39,088,760	0%
15	Dracut Supply 1 & 2	-	50,000	90,500,000	0%	-	50,000	90,500,000	0%
16	LNG Truck	167,236	-	-	-	-	-	-	-
17	Propane Truck	356,770	-	-	-	-	-	-	-
18	PNGTS	131,698	1,000	1,810,000	7%	131,698	1,000	1,810,000	7%
19	TGP Supply (Zone 4)	34,888,393	-	-	-	35,574,756	-	-	-
20	Other Purchased Resources	-	-	-	-	-	-	-	-
21									
22	Subtotal Pipeline Volumes	37,036,478				37,190,474			
23									
24	Storage Gas:								
25	TGP Storage	0		25,791,710	0%	-		25,791,710	0%
26									
27	Produced Gas:								
28	LNG Vapor	119,852				287,088			
29	Propane	-				-			
30									
31	Subtotal Produced Gas	119,852				287,088			
32									
33	Less - Gas Refills:								
34	LNG Truck	(167,236)				(167,236)			
35	Propane	(356,770)				(356,770)			
36	TGP Storage Refill	(16,703,381)				(16,771,669)			
37									
38	Subtotal Refills	(17,227,387)				(17,295,675)			
39									
40	Total Sendout Volumes	19,928,944				20,181,888			

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Liberty Utilities (EnergyNorth Natural Gas) Corp.
Off Peak 2014 Summer Cost of Gas Filing
Agreements for Gas Supply and Transportation

SOURCE	RATE SCHEDULE	CONTRACT NUMBER	TYPE	MDQ MMBTU	MAQ * MMBTU	EXPIRATION DATE	NOTIFICATION DATE	RENEWAL OPTIONS
Dominion Transmission Incorporated	GSS	300076	Storage	934	102,700	3/31/2016	24 months	Mutually agreed upon
Honeoye Storage Corporation	SS-NY	11234	Storage	1,957	246,240	4/1/2014	12 months notice	Evergreen Provision
National Fuel Gas Supply Corporation	FSS	002357	Storage	6,098	670,800	3/31/2015	12 months notice	Evergreen Provision
National Fuel Gas Supply Corporation	FST	N02358	Transportation	6,098	670,800	3/31/2015	12 months notice	Evergreen Provision
Iroquois Gas Transmission System	RTS-1	47001	Transportation	4,047	1,477,155	11/1/2017	12 months notice	Evergreen Provision
Portland Natural Gas Transmission System	FT	1999-001	Transportation	1,000	365,000	10/31/2019	12 months notice	Evergreen Provision
Tennessee Gas Pipeline Company	FS-MA	523	Storage	21,844	1,560,391	10/31/2015	10/31/2012	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	8587	Transportation	25,407	9,273,555	10/31/2015	10/31/2012	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	2302	Transportation	3,122	1,139,530	10/31/2015	10/31/2012	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	632	Transportation	15,265	5,571,725	10/31/2015	10/31/2012	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	11234	Transportation	9,039	3,299,235	10/31/2015	10/31/2012	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	72694	Transportation	30,000	10,950,000	10/31/2029	10/31/2029	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	95346	Transportation	4,000	1,460,000	11/30/2016	10/31/2012	Evergreen Provision
Tennessee Gas Pipeline Company	FTA	42076	Transportation	20,000	7,300,000	10/31/2015	10/31/2012	Evergreen Provision
TransCanada Pipeline	FT	29600	Transportation	4,047	1,477,155	10/31/2017	24 months	Evergreen Provision
Union Gas Limited	M12	M12100	Transportation	4,092	1,493,560	10/31/2017	24 months	Evergreen Provision

* MAQ is calculated on a 365 day calendar year.

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

2 Off Peak 2014 Summer Cost of Gas Filing

3 Storage Inventory

4 Underground Storage Gas

	Nov-13 (Actual)	Dec-13 (Actual)	Jan-14 (Actual)	Feb-14 (Actual)	Mar-14 (Estimate)	Apr-14 (Estimate)	May-14 (Estimate)	Jun-14 (Estimate)	Jul-14 (Estimate)	Aug-14 (Estimate)	Sep-14 (Estimate)	Oct-14 (Estimate)	Total
Beginning Balance (MMBtu)	1,990,599	1,957,415	1,672,923	1,362,905	961,043	553,897	620,749	986,089	1,339,654	1,704,995	2,012,082	2,286,627	1,990,599
Injections (MMBtu)	89,169	23,860	53,544	13,520	-	66,852	365,341	353,565	365,341	307,087	274,546	4,460	1,917,283
Subtotal	2,079,768	1,981,275	1,726,467	1,376,425	961,043	620,749	986,089	1,339,654	1,704,995	2,012,082	2,286,627	2,291,087	
Storage Sale													
Withdrawals (MMBtu)	(122,353)	(308,352)	(363,562)	(415,382)	(407,146)	-	-	-	-	-	-	-	(1,616,795)
Ending Balance (MMBtu)	1,957,415	1,672,923	1,362,905	961,043	553,897	620,749	986,089	1,339,654	1,704,995	2,012,082	2,286,627	2,291,087	2,291,087
Beginning Balance	\$ 8,668,739	\$ 8,448,725	\$ 7,206,962	\$ 5,857,357	\$ 4,144,178	\$ 2,388,497	\$ 2,665,457	\$ 4,510,814	\$ 6,303,265	\$ 8,167,515	\$ 9,730,310	\$11,117,893	8,668,739
Injections	482,277	69,572	176,199	76,513	-	276,960	1,845,356	1,792,452	1,864,250	1,562,795	1,387,583	22,584	9,556,542
Subtotal	\$ 9,151,016	\$ 8,518,297	\$ 7,383,160	\$ 5,933,870	\$ 4,144,178	\$ 2,665,457	\$ 4,510,814	\$ 6,303,265	\$ 8,167,515	\$ 9,730,310	\$11,117,893	\$11,140,478	
Storage Sale													
Withdrawals	\$ (702,291)	\$ (1,311,335)	\$ (1,525,804)	\$ (1,789,692)	\$ (1,755,681)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	(7,084,803)
Ending Balance	\$ 8,448,725	\$ 7,206,962	\$ 5,857,357	\$ 4,144,178	\$ 2,388,497	\$ 2,665,457	\$ 4,510,814	\$ 6,303,265	\$ 8,167,515	\$ 9,730,310	\$11,117,893	\$11,140,478	\$11,140,478
Average Rate For Withdrawals In 22 /In 9	\$4,4000	\$4,2994	\$4,2765	\$4,3111	\$4,3122	\$4,2939	\$4,2939	\$4,5744	\$4,7051	\$4,7903	\$4,8359	\$4,8621	
TGP Storage Rate for Injections	\$5,4086	\$2,9159	\$3,2907	\$5,6593	\$4,1987	\$4,1429	\$5,0511	\$5,0697	\$5,1028	\$5,0891	\$5,0541	\$5,0642	

TGP Actual or NYMEX plus TGP Transportation

1 Liberty Utilities (EnergyNorth Natural Gas) Corp.

3 Off Peak 2014 Summer Cost of Gas Filing

4 Storage Inventory

39
40 Liquid Propane Gas (LPG)

	Nov-13 (Actual)	Dec-13 (Actual)	Jan-14 (Actual)	Feb-14 (Estimate)	Mar-14 (Estimate)	Apr-14 (Estimate)	May-14 (Estimate)	Jun-14 (Estimate)	Jul-14 (Estimate)	Aug-14 (Estimate)	Sep-14 (Estimate)	Oct-14 (Estimate)	Total
41 Beginning Balance	100,609	96,703	91,291	66,169	56,353	56,353	56,353	64,366	72,380	80,393	88,407	92,030	100,609
42 Injections	-	2,614	16,137	23,265	-	-	8,013	8,013	8,013	8,013	3,623	-	77,693
43 Subtotal	100,609	99,317	107,428	89,434	56,353	56,353	64,366	72,380	80,393	88,407	92,030	92,030	
44 Withdrawals	(5,823)	(7,315)	(54,301)	(17,778)	-	-	-	-	-	-	-	-	(85,217)
45 Adjustment for change in temperature	1,917	(711)	13,042	(15,303)	-	-	-	-	-	-	-	-	(1,055)
46 Adjustment for Transfer	-	-	-	-	-	-	-	-	-	-	-	-	-
47 Ending Balance	96,703	91,291	66,169	56,353	56,353	56,353	64,366	72,380	80,393	88,407	92,030	92,030	92,030
48 Beginning Balance	\$ 1,537,307	\$ 1,477,624	\$ 1,396,249	\$ 1,015,256	\$ 1,115,335	\$ 1,115,335	\$ 1,115,335	\$ 1,267,589	\$ 1,419,844	\$ 1,572,098	\$ 1,724,352	\$ 1,793,198	\$ 1,537,307
49 Injections	-	41,369	252,703	686,746	-	-	152,254	152,254	152,254	152,254	68,845	-	1,658,680
50 Subtotal	\$ 1,537,307	\$ 1,518,992	\$ 1,648,951	\$ 1,702,002	\$ 1,115,335	\$ 1,115,335	\$ 1,267,589	\$ 1,419,844	\$ 1,572,098	\$ 1,724,352	\$ 1,793,198	\$ 1,793,198	
51 Withdrawals	(59,684)	(122,743)	(633,695)	(586,667)	-	-	-	-	-	-	-	-	(1,402,790)
52 Ending Balance	\$ 1,477,624	\$ 1,396,249	\$ 1,015,256	\$ 1,115,335	\$ 1,115,335	\$ 1,115,335	\$ 1,267,589	\$ 1,419,844	\$ 1,572,098	\$ 1,724,352	\$ 1,793,198	\$ 1,793,198	\$ 1,793,198
53 Average Rate For Withdrawals	\$15,2800	\$15,2944	\$15,3494	\$19,0308	\$19,7919	\$19,7919	\$19,6933	\$19,6166	\$19,5551	\$19,5048	\$19,4849	\$19,4849	
54 Propane Rate for Injections	\$0,0000	\$15,8258	\$15,6598	\$29,5184	\$0,0000	\$0,0000	\$19,0000	\$19,0000	\$19,0000	\$19,0000	\$19,0000	\$19,0000	
55 Actual or Sch. 6, In 151 * 10													

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.
SUMMER 2013 COST OF GAS RESULTS
DG 13-085

May 01, 2013 through October 31, 2013

5				
6				
7				
8	Account 8840-2-0000-10-1920-1741	Filing (1)	Actual	Difference
9	Balance 10/31/12 - (Over) / Under	\$ 50,793	\$ 52,165	\$ 1,372
10	Prior Period Adjustment	-	-	-
11	Interest 11/1/12 - 4/30/13	<u>1,848</u>	<u>1,875</u>	<u>27</u>
12	Beginning Balance 5/1/13	\$ 52,641	\$ 54,040	\$ 1,399
13				
14	Interest 5/1/13 - 10/31/13	2,292	1,179	(1,113)
15				
16	Prior Period Adjustments	-	-	-
17				
18	Interruptible Margin	-	-	-
19				
20	280-Day Margin	-	-	-
21				
22	Emergency Sales Margin	-	-	-
23				
24	Non-Firm Transportation Margin	-	-	-
25				
26	Other Transportation Related Margins	-	-	-
27				
28	Capacity Release and Fixed Price Credits	-	-	-
29				
30	Price Risk Management and FPO Admin Costs	-	-	-
31				
32	Overhead	2,503	2,833	330
33				
34	Occupant Disallowance/Credits	(12,440)	(9,432)	3,008
35				
36	Total Adjustment to Costs	-	-	-
37				
38	Gas Costs	<u>\$ 12,000,198</u>	<u>\$ 9,944,016</u>	<u>\$ (2,056,182)</u>
39				
40	Total Costs	<u>\$ 11,992,553</u>	<u>\$ 9,938,596</u>	<u>\$ (2,053,957)</u>
41				
42	Gas Cost Billed	<u>\$ (12,045,194)</u>	<u>\$ (11,139,042)</u>	<u>\$ 906,152</u>
43				
44	Total (Over) / Under 10/31/13	<u><u>\$ -</u></u>	<u><u>\$ (1,146,406)</u></u>	<u><u>\$ (1,146,406)</u></u>
45				
46	Bad Debts Account 8840-2-0000-10-1163-1754			
47				
48	Balance 10/31/12 - (Over) / Under	\$ -	\$ -	\$ -
49	Prior Period Adjustment	-	0	0
50	Interest 11/1/12 - 4/30/13	<u>-</u>	<u>-</u>	<u>0</u>
51	Beginning Balance 5/1/13	\$ -	\$ -	\$ -
52				
53	Bad Debt Costs	0	0	0
54				
55	Bad Debt Billed	0	0	0
56				
57	Interest	0	0	0
58				
59	Total (Over) / Under 10/31/13	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>
60	Working Capital Account 8840-2-0000-10-1163-1424			
61				
62	Balance 10/31/12 - (Over) / Under	\$ (1,523)	\$ (504)	\$ 1,019
63	Prior Period Adjustment	0	(1,020)	(1,020)
64	Interest 11/1/12 - 4/30/13	<u>(23)</u>	<u>(23)</u>	<u>0</u>
65	Beginning Balance 5/1/13	\$ (1,546)	\$ (1,547)	\$ (1)
66				
67	Working Capital Costs	15,251	12,638	(2,613)
68				
69	Working Capital Billed	(13,700)	(11,637)	2,063
70				
71	Interest	(5)	(8)	(3)
72				
73	Total (Over) / Under 10/31/13	<u>\$ -</u>	<u>\$ (554)</u>	<u>\$ (554)</u>
74				
75	Total All Accounts	<u><u>\$ -</u></u>	<u><u>\$ (1,146,960)</u></u>	<u><u>\$ (1,146,961)</u></u>

(1) As filed March 15, 2013 in the Summer 2013 Cost of Gas DG 13-085.

On April 29, 2013 the NHPUC approved the March 15, 2013 filing in DG 13-085 in its Order No. 25,501.

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.

SUMMER 2013 COST OF GAS RESULTS

DG 13-085

May 01, 2013 through October 31, 2013

5									
6									
7									
8	Account 8840-2-0000-10-1920-1741	Filing (1)	Actual	Difference					
9	Balance 10/31/12 - (Over) / Under	\$ 50,793	\$ 52,165	\$ 54,040	\$ 1,372	\$ 3,247			
10	Prior Period Adjustment	2/ -	-	-	-	-			
11	Interest 11/1/12 - 4/30/13	1,848	1,875	(8,234)	27	(10,082)			
12	Beginning Balance 5/1/13	\$ 52,641	\$ 54,040	\$ 45,806	\$ 1,399	\$ (6,835)			
13									
14	Interest 5/1/13 - 10/31/13	2,292	1,179		(1,113)				
15									
16	Prior Period Adjustments	-	-		-				
17									
18	Interruptible Margin	-	-		-	-			
19									
20	280-Day Margin	-	-		-	-			
21									
22	Emergency Sales Margin	-	-		-	-			
23									
24	Non-Firm Transportation Margin	-	-		-				
25									
26	Other Transportation Related Margins	-	-		-	-			
27									
28	Capacity Release and Fixed Price Credits	-	-		-	-			
29									
30	Price Risk Management and FPO Admin Costs	-	-		-				
31									
32	Overhead	2,503	2,833		330				
33									
34	Occupant Disallowance/Credits	(12,440)	(9,432)		3,008				
35									
36	Total Adjustment to Costs	-	-		-				
37									
38	Gas Costs	\$ 12,000,198	\$ 9,944,016		\$ (2,056,182)				
39									
40	Total Costs	\$ 11,992,553	\$ 9,938,596		\$ (2,053,957)				
41									
42	Gas Cost Billed	\$ (12,045,194)	\$ (11,139,042)		\$ 906,152				
43									
44	Total (Over) / Under 10/31/13	\$ -	\$ (1,146,406)	\$ (1,154,640)	\$ (1,146,406)				
45									
46	Bad Debts Account 8840-2-0000-10-1163-1754								
47									
48	Balance 10/31/12 - (Over) / Under	\$ -	\$ -		\$ -				
49	Prior Period Adjustment	-	0		0				
50	Interest 11/1/12 - 4/30/13	-	-		0				
51	Beginning Balance 5/1/13	\$ -	\$ -		\$ -				
52									
53	Bad Debt Costs	0	0		0				
54									
55	Bad Debt Billed	0	0		0				
56									
57	Interest	0	0		0				
58									
59	Total (Over) / Under 10/31/13	\$ -	\$ -		\$ -				
60	Working Capital Account 8840-2-0000-10-1163-1424								
61									
62	Balance 10/31/12 - (Over) / Under	\$ (1,523)	\$ (504)	\$ (1,055)	\$ 1,019	\$ 468			
63	Prior Period Adjustment	0	(1,020)	(954)	(1,020)	(954)			
64	Interest 11/1/12 - 4/30/13	(23)	(23)	(20.00)	0	3			
65	Beginning Balance 5/1/13	\$ (1,546)	\$ (1,547)	(2,027.00)	\$ (1)	\$ (481)			
66									
67	Working Capital Costs	15,251	12,638		(2,613)				
68									
69	Working Capital Billed	(13,700)	(11,637)		2,063				
70									
71	Interest	(5)	(8)		(3)				
72									
73	Total (Over) / Under 10/31/13	\$ -	\$ (554)	\$ (1,034)	\$ (554)	\$ (1,034)			
74									
75	Total All Accounts	\$ -	\$ (1,146,960)	\$ (1,155,674)	\$ (1,146,961)	\$ (1,155,674)			

(1) As filed March 15, 2013 in the Summer 2013 Cost of Gas DG 13-085.

On April 29, 2013 the NHPUC approved the March 15, 2013 filing in DG 13-085 in its Order No. 25,501.

REDACTED

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.
SUMMER 2013 COST OF GAS RESULTS
DG 13-085
May 01, 2013 through October 31, 2013

	<u>Filing (1)</u>	<u>Actual</u>	<u>Difference</u>
<u>Account 8840-2-0000-10-1920-1741</u>			
Balance 10/31/12 - (Over) / Under	\$ 50,793	\$ 54,040	\$ 3,247
Prior Period Adjustment	2/ -	-	-
Interest 11/1/12 - 4/30/13	<u>1,848</u>	<u>(8,234)</u>	<u>(10,082)</u>
Beginning Balance 5/1/13	\$ 52,641	\$ 45,806	\$ (6,835)
Interest 5/1/13 - 10/31/13	2,292	1,179	(1,113)
Prior Period Adjustments	-	-	-
Interruptible Margin	-	-	-
280-Day Margin	-	-	-
Emergency Sales Margin	-	-	-
Non-Firm Transportation Margin	-	-	-
Other Transportation Related Margins	-	-	-
Capacity Release and Fixed Price Credits	-	-	-
Price Risk Management and FPO Admin Costs	-	-	-
Overhead	2,503	2,833	330
Occupant Disallowance/Credits	(12,440)	(9,432)	3,008
Total Adjustment to Costs	-	-	-
Gas Costs	<u>\$ 12,000,198</u>	<u>\$ 9,944,016</u>	<u>\$ (2,056,182)</u>
Total Costs	<u>\$ 11,992,553</u>	<u>\$ 9,938,596</u>	<u>\$ (2,053,957)</u>
Gas Cost Billed	<u>\$ (12,045,194)</u>	<u>\$ (11,139,042)</u>	<u>\$ 906,152</u>
Total (Over) / Under 10/31/13	<u>\$ -</u>	<u>\$ (1,154,640)</u>	<u>\$ (1,154,640)</u>

Bad Debts Account 8840-2-0000-10-1163-1754

Balance 10/31/12 - (Over) / Under	\$ -	\$ -	\$ -
Prior Period Adjustment	-	0	0
Interest 11/1/12 - 4/30/13	<u>-</u>	<u>-</u>	<u>0</u>
Beginning Balance 5/1/13	\$ -	\$ -	\$ -
Bad Debt Costs	0	0	0
Bad Debt Billed	0	0	0
Interest	0	0	0
Total (Over) / Under 10/31/13	\$ -	\$ -	\$ -

Working Capital Account 8840-2-0000-10-1163-1424

Balance 10/31/12 - (Over) / Under	\$ (1,523)	\$ (1,055)	\$ 468
Prior Period Adjustment	0	(951)	(951)
Interest 11/1/12 - 4/30/13	<u>(23)</u>	<u>(20)</u>	<u>3</u>
Beginning Balance 5/1/13	\$ (1,546)	\$ (2,027)	\$ (481)
Working Capital Costs	15,251	12,638	(2,613)
Working Capital Billed	(13,700)	(11,637)	2,063
Interest	(5)	(8)	(3)
Total (Over) / Under 10/31/13	\$ -	\$ (1,034)	\$ (1,034)
Total All Accounts	\$ -	\$ (1,155,674)	\$ (1,155,674)

(1) As filed March 15, 2013 in the Summer 2013 Cost of Gas DG 13-085.
On April 29, 2013 the NHPUC approved the March 15, 2013 filing in DG 13-085 in its Order No. 25,501.

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.
SUMMER 2013 COST OF GAS RESULTS
DG 13-085

SUMMARY OF DEMAND CHARGES FOR PERIOD
May 01, 2013 through October 31, 2013

	<u>Reference Actuals</u>	<u>Filing 1/</u>	<u>Actual</u>	<u>Difference</u>
<u>Supplies:</u>				
Union Gas	Sch 2B line 4			
Subtotal Supply Demand Charges		\$ 6,475	\$ 59,735	\$ 53,260
<u>Pipelines:</u>				
ANE (Uniongas and TransCanada)	Sch 2B line 3 + 17 + 51			
IGTS Iroquois	Sch 2B line 14	160,191	131,686	(28,505)
TGP Short Haul 2302 Z5-Z6	Sch 2B line 19 + 55	139,359	111,385	(27,973)
TGP Contract 8587 Zone 0-6	Sch 2B lines 20 + 56	3,121,464	2,573,468	(547,997)
TGP 33371 NET284	Sch 2B line 22 + 52	357,101	143,234	(213,867)
TGP 42076 Dracut	Sch 2B lines 23	586,152	585,560	(592)
TGP 72694	Sch 2B lines 24	292,080	336,571	44,491
Portland Natural Gas Pipeline	Sch 2B line 16 + 57	241,474	241,474	0
Subtotal Pipeline Demand Charges		\$ 5,253,304	\$ 4,387,502	\$ (865,803)
<u>LNG:</u>				
Domac	Sch 2B line 38	\$ -	\$ -	\$ -
<u>Propane</u>				
EN Propane	Sch 2B line 41	\$ -	\$ -	\$ -
<u>Storage:</u>				
Demand & Capacity Charges		\$ -	\$ -	\$ -
<u>Other</u>				
Fees	Sch 2B line 43	\$ -	\$ 12,825	\$ 12,825
Pipeline Refunds	Sch 2B line 44	-	(19,430)	(19,430)
Transportation Capacity Credit		(1,559,628)	-	1,559,628
Subtotal Other Demand Charges		\$ (1,559,628)	\$ (6,605)	\$ 1,553,023
Total Demand Charges (Forward to Page 3)		\$ 3,700,151	\$ 4,440,631	\$740,480

1/ Demand costs per Schedule 5A as filed in the Summer 2013 Cost of Gas DG 13-085 on March 15, 2013.

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.

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SUMMER 2013 COST OF GAS RESULTS

DG 13-085

SUMMARY OF COMMODITY COSTS FOR PERIOD

May 01, 2013 through October 31, 2013

Demand Charges (Brought from Page 2):		\$3,700,151		\$4,440,631		\$740,480	
	<u>Reference Actuals</u>	<u>Filing 1/</u>	<u>Average Cost per Therm</u>	<u>Actual</u>	<u>Average Cost per Therm</u>	<u>Difference</u>	
<u>TGP Gulf Commodity</u>							
Therms	Sch 8, lines 5 + 39						
Cost	Sch 8, lines 5 + 39						
<u>Dracut Commodity</u>							
Therms	Sch 8, line 10						
Cost	Sch 8, line 10						
<u>PNGTS Commodity</u>							
Therms	Sch 8, line 18						
Cost	Sch 8, line 18						
<u>TGP/Iroquois Commodity (Dawn)</u>							
Therms	Sch 8, line 26						
Cost	Sch 8, line 26						
<u>TGP/Niagra Commodity</u>							
Therms	Sch 8, line 23						
Cost	Sch 8, line 23						
<u>City Gate Delivered Supply</u>							
Therms	Sch 8, line 8						
Cost	Sch 8, line 8						
<u>Storage Gas - Commodity Withdrawn</u>							
Therms	Sch 8, line 38						
Cost	Sch 8, line 38						
<u>Propane P/S Plant Commodity</u>							
Therms	Sch 8, line 33						
Cost	Sch 8, line 33						
<u>Propane Tank Farm Commodity</u>							
Therms	Sch 8, line 34						
Cost	Sch 8, line 34						
<u>LNG P/S Plant Commodity</u>							
Therms	Sch 8, line 30						
Cost	Sch 8, line 30						
<u>Hedging (Gains) Losses</u>							
	Sch 8, line 13						
<u>Other- Cashout, Broker Penalty, Canadian Managed, Non-Firm costs</u>							
Cost	Sch 8, line 50						
Subtotal:							
Volumes (net of fuel retention)		19,490,625		15,786,630		(3,703,995)	
Cost		\$ 8,300,049	0.4258	\$ 5,503,385	0.3486	\$ (2,796,664)	(0.0772)
Total Demand and Commodity Costs		\$ 12,000,200		\$ 9,944,016		\$ (2,056,184)	
Check - Sched 1				\$ 9,944,016			
Demand (therms):							
Firm Gas Sales		18,378,342		12,810,722		(5,567,620)	
Lost Gas (Unaccounted For)		662,681		182,981		(479,700)	
Unbilled Therms		140,916		2,765,233		2,624,317	
Fuel Retention		-		-		-	
Company Use		308,685		27,694		(280,991)	
Total Demand		19,490,624		15,786,630		(3,703,994)	
		1		-		(1)	

1/ Commodity costs and forecasted volumes per Schedule 6 as filed in the Summer 2013 Cost of Gas DG 13-085 on March 15, 2013.

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.

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SUMMER 2013 COST OF GAS RESULTS

DG 13-085

May 01, 2013 through October 31, 2013

	(A) Actual Volume	(B) Normal Volume	(C) Forecast Rate (a)	(A-B)*C Difference
<u>Weather Variance - Volume Impact</u>				
TGP Gulf Commodity				
Dracut Commodity				
PNGTS Comodity				
TGP/Iroquois Commodity (Dawn)				
TGP/Niagra Commodity				
City Gate Delivered Supply				
Storage Gas - Commodity Withdrawn				
Propane P/S Plant Commodity				
Propane Tank Farm Commodity				
LNG P/S Plant Commodity				
Total Volume Weather Variance	15,786,630	16,314,601		\$ (201,214)

	(A) Forecast Volume	(B) Actual Volume	(C) Forecast Rate (a)	Difference
<u>Demand Variance - Commodity Costs</u>				
TGP Gulf Commodity				
Dracut Commodity				
PNGTS Comodity				
TGP/Iroquois Commodity (Dawn)				
TGP/Niagra Commodity				
City Gate Delivered Supply				
Storage Gas - Commodity Withdrawn				
Propane P/S Plant Commodity				
Propane Tank Farm Commodity				
LNG P/S Plant Commodity				
Total Demand Variance (Less: Fuel Retention)	19,490,625	15,786,630		\$ (2,128,641)

Demand Variance Net of Weather Variance - \$ (1,927,427)

	(A) Actual Volume	(B) Forecast Rate (a)	(C) Actual Rate	(C-B)*A Difference
<u>Rate Variance - Commodity Costs</u>				
TGP Gulf Commodity				
Dracut Commodity				
PNGTS Comodity				
TGP/Iroquois Commodity (Dawn)				
TGP/Niagra Commodity				
City Gate Delivered Supply				
Storage Gas - Commodity Withdrawn				
Propane P/S Plant Commodity				
Propane Tank Farm Commodity				
LNG P/S Plant Commodity				
Total Commodity Cost Rate Variance	15,786,630			\$ 40,779
Other Rate Variance (from page 2)				740,480
Hedge (Gains)/Loss (from page 3)				(104,259)
Total Rate Variance				\$677,000
Due to Weather Variance				(201,214)
Due to Demand Variance (from above)				(1,927,427)
Other- Cashout, Broker Penalty, Canadian Managed				(604,543)
Total Gas Cost Variance				<u>(\$2,056,184)</u>

(a) used actual rate if there was no forecasted rate

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.
MAY THROUGH OCTOBER 2013
PEAK DEMAND AND COMMODITY
SCHEDULE 1
Account 8840-2-0000-10-1920-1740 (formerly, 175.20)

FOR THE MONTH OF: DAYS IN MONTH	May-13 31	Jun-13 30	Jul-13 31	Aug-13 31	Sep-13 30	Oct-13 31	Nov-13 30	Total
1 BEGINNING BALANCE	\$ 2,343,441	\$ 5,433,124	\$ 4,481,751	\$ 4,647,952	\$ 4,767,209	\$ 5,171,494	\$ 5,574,443	\$ 2,343,441
2								
3 Add: ACTUAL COSTS	522,923	522,385	525,341	523,232	526,215	531,797	-	3,151,895
4								
5 Add: FUEL FINANCING COSTS	-	-	-	-	-	-	-	-
6								
7 Add: MISCELLANEOUS OVERHEADS								-
8								
9 Less: CUSTOMER BILLINGS	(3,248,650)	-	-	-	-	-	-	(3,248,650)
10 Estimated Unbilled	-	-	-	-	-	-	-	-
11 Reverse Prior Month Unbilled	6,098,408	-	-	-	-	-	-	6,098,408
12 Sub-Total Accrued Customer Billings	2,849,758	-	-	-	-	-	-	2,849,758
13								
14 Less: BROKER'S REVENUES	(76,929)	(74,818)	(28,224)	(67,635)	(51,314)	(78,026)	-	(376,945)
15								
16 Less: OCCUPANT DISALLOW/(CREDIT)	-	-	-	-	-	(42,610)	-	(42,610)
17								
18 NON FIRM MARGIN AND CREDITS	(216,787)	(1,412,166)	(343,498)	(349,317)	(83,874)	(23,022)	-	(2,428,665)
19								
20 ENDING BALANCE PRE INTEREST	5,422,406	4,468,526	4,635,369	4,754,233	5,158,237	5,559,633	5,574,443	5,496,874
21								
22 MONTH'S AVERAGE BALANCE	3,882,924	4,950,825	4,558,560	4,701,093	4,962,723	5,365,564	5,574,443	
23								
24 INTEREST RATE	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	-	
25								
26 INTEREST APPLIED	10,718	13,225	12,583	12,976	13,257	14,810	-	77,569
27								
28 ENDING BALANCE	\$ 5,433,124	\$ 4,481,751	\$ 4,647,952	\$ 4,767,209	\$ 5,171,494	\$ 5,574,443	\$ 5,574,443	\$ 5,574,443

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

REDACTED

MAY THROUGH OCTOBER 2013
OFF PEAK DEMAND AND COMMODITY
SCHEDULE 1
Account 8840-2-0000-10-1920-1741 (formerly, 175.40)

	FOR THE MONTH OF: DAYS IN MONTH	May-13 31	Jun-13 30	Jul-13 31	Aug-13 31	Sep-13 30	Oct-13 31	Nov-13 30	Total
1	BEGINNING BALANCE	\$ 54,040	\$ 274,214	\$ (174,760)	\$ 55,926	\$ 181,120	\$ 293,363	\$ (440,205)	\$ 54,040
2									
3	Add: ACTUAL COSTS	2,153,666	805,698	1,448,310	1,393,006	1,621,494	2,521,843	-	9,944,016
4									
5	Add: MISCELLANEOUS OVERHEADS	472	472	472	472	472	472	-	2,833
6									
7									
8	Less: CUSTOMER BILLINGS	(1,060,510)	(1,981,093)	(1,434,353)	(1,245,431)	(1,267,892)	(1,657,519)	(2,492,244)	(11,139,042)
9	Estimated Unbilled	(873,906)	(148,090)	68,332	45,151	(197,313)	(1,786,043)	1,786,043	(2,891,870)
10	Reverse Prior Month Unbilled		873,906	148,090	(68,332)	(45,151)	197,313	1,786,043	2,891,870
11	Sub-Total Accrued Customer Billings	(1,934,416)	(1,255,278)	(1,217,931)	(1,268,612)	(1,510,356)	(3,246,248)	(706,201)	(11,139,042)
12									
13	Less: OCCUPANT DISALLOW/(CREDIT)	-	-	-	-	-	(9,432)	-	(9,432)
14									
15	ENDING BALANCE PRE INTEREST	\$ 273,762	\$ (174,893)	\$ 56,090	\$ 180,793	\$ 292,730	\$ (440,003)	\$ (1,146,406)	\$ (1,147,585)
16									
17	MONTH'S AVERAGE BALANCE	163,901	49,660	(59,335)	118,360	236,925	(73,320)	(793,306)	
18	INTEREST RATE	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	-	
19									
20									
21	INTEREST APPLIED	452	133	(164)	327	633	(202)		1,179
22									
23	ENDING BALANCE	\$ 274,214	\$ (174,760)	\$ 55,926	\$ 181,120	\$ 293,363	\$ (440,205)	\$ (1,146,406)	\$ (1,146,406)

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

REDACTED

MAY THROUGH OCTOBER 2013

GAS COSTS BY SOURCE

SCHEDULE 2 A

FOR THE MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
DEMAND							
ALBERTA NORTHEAST							
UNION GAS							
CANADIAN CAPACITY MANAGED							
TOTAL CANADIAN	\$ (7,349)	\$ (7,159)	\$ (5,557)	\$ (3,336)	\$ (1,897)	\$ (2,724)	\$ (28,022)
PEAKING SUPPLY							
TRANSPORT CAPACITY	\$ 983,003	\$ (191,541)	\$ 844,001	\$ 820,055	\$ 1,105,893	\$ 1,212,484	\$ 4,773,896
CAPACITY RELEASE ADJ	211,443	1,402,290	343,498	349,317	83,874	23,022	2,413,444
TOTAL TRANSPORT	\$ 1,194,447	\$ 1,210,749	\$ 1,187,499	\$ 1,169,372	\$ 1,189,767	\$ 1,235,506	\$ 7,187,340
STORAGE FIXED COSTS	\$ 98,584	\$ 98,411	\$ 98,361	\$ 95,172	\$ 101,164	\$ 98,798	\$ 590,490
LNG	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PROPANE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PIPELINE REFUNDS	\$ (19,430)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (19,430)
OTHER	\$ 2,472	\$ 2,463	\$ 2,400	\$ 2,427	\$ 1,263	\$ 1,800	\$ 12,825
TOTAL DEMAND	\$ 1,243,611	\$ 1,279,352	\$ 1,257,590	\$ 1,238,523	\$ 1,265,184	\$ 1,308,267	\$ 7,592,526
COMMODITY							
BP/NORTHEAST GAS MARKETS							
DTE ENERGY							
SEMPRA							
TOTAL CANADIAN COMMODITY	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
PIPELINE TRANSPORT							
GAS SUPPLY							
STORAGE							
LNG							
PROPANE							
TAXES							
SUPPLIER CASHOUT							
CANADIAN CAPACITY MANAGED							
BROKER INVENTORY							
BROKER IMBALANCE							
SUBTOTAL COMMODITY COST	\$ 1,512,244	\$ 89,775	\$ 716,061	\$ 677,716	\$ 882,526	\$ 1,745,372	\$ 5,623,694
OFF SYSTEM SALES							
NON-FIRM COST							
TOTAL COMMODITY COST	\$ 1,432,978	\$ 48,732	\$ 716,061	\$ 677,716	\$ 882,526	\$ 1,745,372	\$ 5,503,385

GAS COSTS SUMMARY

SCHEDULE 2 A

FOR THE MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
Total Peak Demand	\$ 522,923	\$ 522,385	\$ 525,341	\$ 523,232	\$ 526,215	\$ 531,797	\$ 3,151,895
Off-Peak Demand	<u>720,687</u>	<u>756,967</u>	<u>732,248</u>	<u>\$ 715,290</u>	<u>738,968</u>	<u>776,470</u>	<u>4,440,631</u>
Total Demand	\$ 1,243,611	\$ 1,279,352	\$ 1,257,590	\$ 1,238,523	\$ 1,265,184	\$ 1,308,267	\$ 7,592,526
Total Peak Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Off-Peak Commodity	<u>1,432,978</u>	<u>48,732</u>	<u>716,061</u>	<u>\$ 677,716</u>	<u>882,526</u>	<u>1,745,372</u>	<u>5,503,385</u>
Total Commodity	\$ 1,432,978	\$ 48,732	\$ 716,061	\$ 677,716	\$ 882,526	\$ 1,745,372	\$ 5,503,385
Firm Sendout Costs	\$ 2,676,589	\$ 1,328,083	\$ 1,973,651	\$ 1,916,238	\$ 2,147,709	\$ 3,053,640	\$ 13,095,911

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.

MAY THROUGH OCTOBER 2013
DETAIL GAS COSTS BY SOURCE
SCHEDULE 2 B

FOR THE MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total Off Peak OP	Total Peak PK	Total
1 DEMAND									
2 Fixed Charges/Supply									
3 ANE									
4 Union Gas									
5 Total Canadian Purchases									
6 PEAKING SUPPLY									
7 Granite Ridge									
8 NIR Energy									
9 Repsol									
10 JP Morgan									
11 Subtotal Peaking Supply									
12									
13 Transport Capacity									
14 IROQUOIS 470-01 RTS									
15 NFGS N02358 FST									
16 PNGTS FT-1999-001									
17 TransCanada (HG Energy)									
18 TGP 632 FTA Zone 4-6									
19 TGP 2302 FTA Zone 5-6									
20 TGP 8587 FTA Zone 0-6									
21 TGP 11234 FTA Zone 4-6									
22 TGP 33371 NET-NE									
23 TGP 42076 FTA									
24 TGP 72694 NET									
25 SubTotal Transport Capacity									
26									
27									
28									
29 Storage Fixed									
30 Dominion - Storage Demand									
31 TGP FSMA - Storage Demand									
32 Natl Fuel - Storage Demand									
33 Honeye - Storage Demand									
34 Semptra - Storage Demand									
35 SubTotal Storage									
36									
37 LNG									
38 LNG - Res Charge (Disrigas)									
39									
40 PROPANE									
41 Energy North Propane									
42									
43 ICE Fees									
44 TGP Pipeline Refund									
45 Capacity Managed - Canadian									
46									
47 Demand Subtotal									
48 Capacity Release Adjustments:									
49 TGP 72694 FTA									
50 Iroquois									
51 TGP 95346 FTA									
52 TGP 632 FSMA									
53 TGP 11234 FTA									
54 TGP 2302 FTA									
55 TGP 8587 FTA 42076 FTA									
56 PNGTS FT-1999-001									
57 SubTotal Capacity Releases									
58									
59									
60 TOTAL DEMAND									

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.

MAY THROUGH OCTOBER 2013
DETAIL GAS COSTS BY SOURCE
SCHEDULE 2 B

FOR THE MONTH OF:		May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total Off Peak	Total Peak	Total
COMMODITY										
61	Canadian Supply									
62	BP/Northeast Gas Market									
63	Nexen									
64	Sempra									
65	Total Canadian Commodity									
66										
67										
68										
69	Pipeline Transport									
70	ANE Union/Transgas									
71										
72	Dominion									
73	Iroquois									
74	El Paso									
75	Honeye									
76	National Fuel									
77	PNGTS									
78	Total TGP Transportation									
79										
80	Total Pipeline Transport									
81										
82										
83	City Gate Supply									
84	VPEM									
85										
86	Dracut Supply									
87										
88	PNGTS Commodity									
89										
90	Total PNGTS Supply									
91										
92	TGP Commodity									
93	Andariko									
94	J Aron									
95	ANP									
96	Gavilon									
97	BP Energy									
98	Chevron									
99	Cheniere									
100	CITI									
101	Cokinos									
102	Eservices									
103	Conoco									
104	Enera									
105	EnCanUSA									
106	GazProm									
107	JP Morgan									
108	Hess									
109	L. Dreyfus									
110	Macquarie									
111	Merrill									
112	NJ Energy									
113	Nextera									
114	Papco									
115	RepSol									
116	South Jersey									
117	Shell									
118	Southwest									
119	Tenaska									
120	Total									
121	United									
122	VPEM									
123	Sub Total									
124	Hedging (Gain)/Loss Peak									
125	Hedging (Gain)/Loss Off Peak									
126	Total									
127										
128	Storage									
129	WITHDRAWALS Off Peak									
130	INJECTIONS									
131	Total Storage									
132	LNG									
133	LNG - Accounting Adjustment									
134	LNG - P/S Plant									
135	Total LNG									
136										

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LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.

MAY THROUGH OCTOBER 2013
DETAIL GAS COSTS BY SOURCE
SCHEDULE 2 B

FOR THE MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total Off Peak	Total Peak	Total
137 PROpane									
138 Propane Sordout - P/S Plant									
139 Energy North Propane - Tank Farm									
140 TOTAL PROpane	\$ 13,372,884	\$ 6,372,888	\$ 4,821,093	\$ 2,395,477	\$ (2,259,888)	\$ 4,609,877	\$ 29,312	\$ -	\$ 29,312
141 Taxes - West Virginia									
142									
143									
144 Broker Cashout									
145									
146 Capacity Managed - Canadian									
147									
148 Broker Inventory									
149									
150 Broker's Imbalance Revenues									
151									
152 TOTAL COMMODITY	\$ 1,512,244.07	\$ 89,774.76	\$ 716,061.41	\$ 677,715.75	\$ 882,525.57	\$ 1,745,372.34	\$ 5,623,694	\$ -	\$ 5,623,694
153									
154 OFF SYSTEM SALES COST									
155									
156 NON-FIRM COST									
157									
158 NET COMMODITY COST	\$ 1,432,978.44	\$ 48,731.60	\$ 716,061.41	\$ 677,715.75	\$ 882,525.57	\$ 1,745,372.34	\$ 5,503,385.11	\$ -	\$ 5,503,385

FOR THE MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
159 Total Peak Demand	\$ 522,923	\$ 522,385	\$ 525,341	\$ 523,232	\$ 526,215	\$ 531,797	\$ 3,151,895
160 Total Peak Commodity	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
161 Total Peak Gas Costs	\$ 522,923	\$ 522,385	\$ 525,341	\$ 523,232	\$ 526,215	\$ 531,797	\$ 3,151,895
162							
163 Off-Peak Demand	\$ 720,687	\$ 756,967	\$ 732,248	\$ 715,290	\$ 738,968	\$ 776,470	\$ 4,440,631
164 Off-Peak Commodity	\$ 1,432,978	\$ 48,732	\$ 716,061	\$ 677,716	\$ 882,526	\$ 1,745,372	\$ 5,503,385
165 Total Off Peak Gas Costs	\$ 2,153,666	\$ 805,698	\$ 1,448,310	\$ 1,393,006	\$ 1,621,494	\$ 2,521,843	\$ 9,944,016
166							
167 Firm Sordout Costs	\$ 2,676,589	\$ 1,328,083	\$ 1,973,651	\$ 1,916,238	\$ 2,147,709	\$ 3,053,640	\$ 13,095,911

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

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MAY THROUGH OCTOBER 2013
SCHEDULE 3
SUMMER CGAC GAS REVENUES BILLED

FOR MONTH OF:	May-13 Winter (b)	May-13 Summer (c)	Jun-13 (d)	Jul-13 (e)	Aug-13 (f)	Sep-13 (g)	Oct-13 (h)	Nov-13 (i)	Total Off-Peak (j)	Total Peak (k)
1 VOLUMES										
2 RESIDENTIAL										
3 R-1	50,012	16,470	53,956	42,840	36,279	39,958	43,563	34,798	267,864	50,012
4 R-1 FPO	5,370	1,423	205	(3)	-	-	-	-	1,625	5,370
5 R-3	1,829,970	774,736	1,667,640	1,153,907	1,030,397	1,117,249	1,407,444	1,790,668	8,942,041	1,829,970
6 R-3 FPO	288,563	135,273	18,730	(880)	(16)	-	-	-	153,107	288,563
7 R-4	331,209	57,201	150,561	90,246	76,381	80,487	97,268	15,393	567,537	331,209
8 R-4 FPO	56,328	1,227	2,644	-	-	-	-	-	3,871	56,328
9 Total Residential	2,561,452	986,330	1,893,736	1,286,110	1,143,041	1,237,694	1,548,275	1,840,860	9,936,046	2,561,452
10										
11 COMMERCIAL/INDUSTRIAL										
12 G41 - G43	1,104,564	400,351	735,806	497,311	417,052	495,813	594,252	1,584,976	4,725,561	1,104,564
13 G41 - G43 FPO	73,777	34,351	8,647	(8)	(177)	-	-	-	42,813	73,777
14 G51 - G63	280,507	112,247	336,821	291,642	283,553	289,559	207,843	430,712	1,952,377	280,507
15 G51 - G63 FPO	11,918	7,916	2,583	(26)	-	-	-	-	10,473	11,918
16 Total Comm/Industrial	1,470,766	554,865	1,083,857	788,919	700,428	785,372	802,095	2,015,688	6,731,224	1,470,766
17 Total Sales Volumes	4,032,218	1,541,195	2,977,593	2,075,029	1,843,469	2,023,066	2,350,370	3,856,548	16,667,270	4,032,218
18										
19 TRANSPORTATION										
20 G41 - G43	1,784,264	384,025	1,143,583	756,731	655,356	840,069	1,330,379	358,590	5,468,733	1,784,264
21 G51 - G63	2,613,675	101,145	2,500,899	2,355,447	2,365,156	2,841,704	2,279,157	1,174,793	13,618,301	2,613,675
22 Total Transportation	4,397,939	485,170	3,644,482	3,112,178	3,020,512	3,681,773	3,609,536	1,533,383	19,087,034	4,397,939
23										
24 Total Volumes	8,430,157	2,026,365	6,622,075	5,187,207	4,863,981	5,704,839	5,959,906	5,389,931	35,754,304	8,430,157
25										
26 RATES										
27 R-1	\$ 0.8215	\$ 0.6561	\$ 0.6672	\$ 0.6920	\$ 0.6762	\$ 0.6469	\$ 0.6468	\$ 0.6459		
28 R-1 FPO	0.6735	0.6561	0.6672	0.6920	0.6762	0.6469	0.6468	0.6459		
29 R-3	0.8215	0.6561	0.6672	0.6920	0.6762	0.6469	0.6468	0.6459		
30 R-3 FPO	0.6735	0.6561	0.6672	0.6920	0.6762	0.6469	0.6468	0.6459		
31 R-4	0.8215	0.6561	0.6672	0.6920	0.6762	0.6469	0.6468	0.6459		
32 R-4 FPO	0.6735	0.6561	0.6672	0.6920	0.6762	0.6469	0.6468	0.6459		
33 C/I Sales G41 to G43	0.8236	0.6588	0.6699	0.6947	0.6789	0.6496	0.6495	0.6486		
34 C/I Sales G41 to G43 FPO	0.6752	0.6588	0.6699	0.6947	0.6789	0.6496	0.6495	0.6486		
35 C/I Transport G41 to G43	-	-	-	-	-	-	-	-		
36 C/I Sales G51 to G63	0.8155	0.6490	0.6608	0.6849	0.6700	0.6398	0.6398	0.6388		
37 C/I Sales G51 to G63 FPO	0.6687	0.6490	0.6608	0.6849	0.6700	0.6398	0.6398	0.6388		
38 C/I Transport G51 to G63	-	-	-	-	-	-	-	-		
39										
40										
41 REVENUES										
42 R-1	\$ 41,085	\$ 10,806	\$ 35,999	\$ 29,645	\$ 24,532	\$ 25,849	\$ 28,177	\$ 22,476	\$ 177,484	\$ 41,085
43 R-1 FPO	3,617	934	137	(2)	-	-	-	-	1,068	3,617
44 R-3	1,503,320	508,304	1,112,649	798,504	696,754	722,748	910,335	1,156,593	5,905,888	1,503,320
45 R-3 FPO	194,347	88,753	12,497	(609)	(11)	-	-	-	100,629	194,347
46 R-4	272,088	37,530	100,454	62,450	51,649	52,067	62,913	9,942	377,005	272,088
47 R-4 FPO	37,937	805	1,764	-	-	-	-	-	2,569	37,937
48 C/I Sales G41 to G43	909,719	263,751	492,916	345,482	283,137	322,080	385,967	1,028,015	3,121,348	909,719
49 C/I Sales G41 to G43 FPO	49,814	22,630	5,793	(6)	(120)	-	-	-	28,297	49,814
50 C/I Transport G41 to G43	-	-	-	-	-	-	-	-	-	-
51 C/I Sales G51 to G63	228,753	72,848	222,571	199,746	189,981	185,260	132,978	275,139	1,278,522	228,753
52 C/I Sales G51 to G63 FPO	7,970	5,137	1,707	(18)	-	-	-	-	6,827	7,970
53 C/I Transport G51 to G63	-	-	-	-	-	-	-	-	-	-
54 Gas Cost Revenue	\$ 3,248,650	\$ 1,011,499	\$ 1,986,488	\$ 1,435,192	\$ 1,245,921	\$ 1,308,004	\$ 1,520,369	\$ 2,492,166	\$ 10,999,639	\$ 3,248,650
55										
56 Less Occupant Billing	-	-	-	-	-	-	-	-	-	-
57										
58 Less Summer Proration/adj	-	(49,011)	5,395	839	490	40,112	(137,150)	(79)	(139,403)	-
59 Summer Gas Cost Revenue Billed	-	\$ 1,060,510	\$ 1,981,093	\$ 1,434,353	\$ 1,245,431	\$ 1,267,892	\$ 1,657,519	\$ 2,492,244	\$ 11,139,042	-
60										
61 Winter Gas Costs Revenue Billed	\$ 3,248,650	-	-	-	-	-	-	-	-	\$ 3,248,650
62										
63 Total Gas Costs Billed	\$ 3,248,650	\$ 1,060,510	\$ 1,981,093	\$ 1,434,353	\$ 1,245,431	\$ 1,267,892	\$ 1,657,519	\$ 2,492,244	\$ 11,139,042	\$ -
64										
65 Bad Debt Revenue Billed	\$ 70,967	\$ 25,276	\$ 48,833	\$ 34,030	\$ 30,233	\$ 32,318	\$ 40,825	\$ 62,569	\$ 274,083	\$ 70,967
66 Working Capital Gas Cost Billed	\$ 3,226	\$ 1,079	\$ 2,084	\$ 1,453	\$ 1,290	\$ 1,356	\$ 1,735	\$ 2,640	\$ 11,637	\$ 3,226
67 Broker Revenue	\$ 76,929	\$ 74,818	\$ 28,224	\$ 67,635	\$ 51,314	\$ 78,026	\$ -	\$ -	\$ -	\$ 376,945
68										
69 Total Billings	\$ 3,322,843	\$ 1,163,793	\$ 2,106,827	\$ 1,498,060	\$ 1,344,589	\$ 1,352,881	\$ 1,778,104	\$ 2,557,453	\$ 11,424,763	\$ 451,138

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

REDACTED

MAY THROUGH OCTOBER 2013

SCHEDULE 3A- CALCULATION OF UNBILLED GAS COSTS (ACCRUED COG)

	FOR MONTH OF:	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
1	Firm Gas Purchases		2,913,990	1,885,950	1,785,230	1,897,370	2,430,640	4,873,450	15,786,630
2	Firm Sales		1,541,195	2,977,593	2,075,029	1,843,469	2,023,066	2,350,370	12,810,722
3	Company Use		7,049	4,464	2,257	2,959	4,806	6,159	27,694
4	Unaccounted For %		1.16%	1.16%	1.16%	1.16%	1.16%	1.16%	
5	Unaccounted For Gas		33,776	21,860	20,692	21,992	28,173	56,488	182,981
6	COG Factor- Gas Cost Only		\$0.6561	\$0.6920	\$0.6920	\$0.6469	\$0.6474	\$0.6459	
7	COG Factor- Bad Debt Factor		\$0.0164	\$0.0164	\$0.0164	\$0.0164	\$0.0160	\$0.0174	
8	COG Factor- Working Capital Factor		\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	
9									
10	Unbilled Volume								
11	Beginning Bal		-	1,331,970	214,003	(98,745)	(69,795)	304,800	
12	Incremental Unbilled		1,331,970	(1,117,967)	(312,748)	28,950	374,595	2,460,433	
13	Ending Balance		1,331,970	214,003	(98,745)	(69,795)	304,800	2,765,233	
14									
15	COG Factor- Gas Cost Only		\$0.6561	\$0.6920	\$0.6920	\$0.6469	\$0.6474	\$0.6459	
16	Gross Unbilled Gas Cost		\$873,906	\$148,090	(\$68,332)	(\$45,151)	\$197,313	\$1,786,043	
17									
18	Monthly Incremental Gas Cost		\$873,906	(\$725,815)	(\$216,422)	\$23,181	\$242,464	\$1,588,730	
19									
20	COG Factor- Bad Debt Only		\$0.0164	\$0.0164	\$0.0164	\$0.0164	\$0.0160	\$0.0174	
21	Gross Unbilled Bad Debt Cost		\$21,844	\$3,510	(\$1,619)	(\$1,145)	\$4,869	\$48,031	
22									
23	Monthly Incremental Bad Debt Cost		\$21,844	(\$18,335)	(\$5,129)	\$475	\$6,014	\$43,162	
24									
25	COG Factor- Working Capital Only		\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	\$0.0007	
26	Gross Unbilled Working Capital Cost		\$932	\$150	(\$69)	(\$49)	\$204	\$2,041	
27									
28	Monthly Incremental Working Capital Cost		\$932	(\$783)	(\$219)	\$20	\$253	\$1,836	

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.
MAY THROUGH OCTOBER 2013
SCHEDULE 4 - NONFIRM MARGIN

FOR THE MONTH OF:		May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
1								
2	INTERRUPTIBLE							
3								
4	280 DAY							
5								
6	TRANSPORTATION							
7								
8								
9	OFF SYSTEM SALES MARGIN							
10								
11	CAPACITY RELEASE CREDIT							
12								
13	TOTAL NON FIRM MARGIN AND CREDITS	\$ (216,787)	\$ (1,412,166)	\$ (343,498)	\$ (349,317)	\$ (83,874)	\$ (23,022)	\$ (2,428,665)

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

MAY THROUGH OCTOBER 2013

PEAK WORKING CAPITAL

Account 8840-2-0000-10-1163-1422 (formerly, 142.20)

SCHEDULE 5

	FOR THE MONTH OF: DAYS IN MONTH:	May-13 31	Jun-13 30	Jul-13 31	Aug-13 31	Sep-13 30	Oct-13 31	Nov-13	Total
1	BEGINNING BALANCE	\$ 8,534	\$ 11,664	\$ 10,563	\$ 10,823	\$ 11,074	\$ 11,666	\$ 12,346	\$ 8,534
2									
3	Add: COST ALLOW	389	(1,131)	231	221	562	647		919
4									
5	Less: CUSTOMER BILLINGS	(3,226)	-	-	-	-	-	-	(3,226)
6	Estimated Unbilled	-	-	-	-	-	-	-	-
7	Reverse Prior Month Unbilled	5,939	-	-	-	-	-	-	5,939
8	Subtotal: Accrued Customer Billings	2,713	-	-	-	-	-	-	2,713
9									
10	ENDING BALANCE PRE INTEREST	\$ 11,636	\$ 10,533	\$ 10,794	\$ 11,044	\$ 11,636	\$ 12,313	\$ 12,346	\$ 12,166
11									
12	MONTH'S AVERAGE BALANCE	10,085	11,098	10,679	10,934	11,355	11,990		
13									
14	INTEREST RATE	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%		
15	INTEREST APPLIED	28	30	29	30	30	33		180
16	ENDING BALANCE	\$ 11,664	\$ 10,563	\$ 10,823	\$ 11,074	\$ 11,666	\$ 12,346	\$ 12,346	\$ 12,346

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

MAY THROUGH OCTOBER 2013
OFF-PEAK WORKING CAPITAL
Account 8840-2-0000-10-1163-1424 (formerly, 142.40)

SCHEDULE 5

FOR THE MONTH OF: DAYS IN MONTH	May-13 31	Jun-13 30	Jul-13 31	Aug-13 31	Sep-13 30	Oct-13 31	Nov-13	Total
1 BEGINNING BALANCE	\$ (1,546)	\$ (824)	\$ (1,104)	\$ (499)	\$ (41)	\$ 410	\$ 45	(1,546)
2								
3 Add:ACTUAL COST	2,737	1,024	1,841	1,770	2,061	3,205	-	\$ 12,638
4								
5 Less: CUSTOMER BILLINGS	(1,079)	(2,084)	(1,453)	(1,290)	(1,356)	(1,735)	(2,640)	(11,637)
6 Estimated Unbilled	(932)	(150)	69	49	(204)	(2,041)		(3,209)
7 Reverse Prior Month Unbilled		932	150	(69)	(49)	204	2,041	3,209
8 Subtotal: Accrued Customer Billings	(2,011)	(1,302)	(1,234)	(1,311)	(1,610)	(3,571)	(599)	(11,637)
9								
10 ENDING BALANCE PRE INTEREST	\$ (821)	\$ (1,101)	\$ (497)	\$ (40)	\$ 410	\$ 44	\$ (554)	\$ (546)
11								
12 MONTH'S AVERAGE BALANCE	(1,183)	(962)	(801)	(269)	185	227		
13								
14 INTEREST RATE	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%		
15 INTEREST APPLIED	(3)	(3)	(2)	(1)	0	1		(8)
16 ENDING BALANCE	\$ (824)	\$ (1,104)	\$ (499)	\$ (41)	\$ 410.40	\$ 45	\$ (554)	\$ (554)

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
MAY THROUGH OCTOBER 2013
SCHEDULE 6
OFF PEAK BAD DEBT AND WORKING CAPITAL COSTS

FOR MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
1 Demand	\$ 720,687	\$ 756,967	\$ 732,248	\$ 715,290	\$ 738,968	\$ 776,470	\$ 4,440,631
2 Commodity	1,432,978	48,732	716,061	677,716	882,526	1,745,372	5,503,385
3 Total Gas Costs	\$ 2,153,666	\$ 805,698	\$ 1,448,310	\$ 1,393,006	\$ 1,621,494	\$ 2,521,843	\$ 9,944,016
4							
5 Lead Lag Days	0.0391	0.0391	0.0391	0.0391	0.0391	0.0391	
6 Prime Rate	3.25%	3.25%	3.25%	3.25%	3.25%	3.25%	
7							
8 Working Capital Rate	0.00127	0.00127	0.00127	0.00127	0.00127	0.00127	
9							
10 Total Working Capital Costs	\$ 2,737	\$ 1,024	\$ 1,841	\$ 1,770	\$ 2,061	\$ 3,205	\$ 12,638
11							
12 Prior Period (Over)Undercollection							
13							
14 Subtotal Gas Costs, Working Capital & Under Collection	\$ 2,164,868	\$ 815,188	\$ 1,458,616	\$ 1,403,242	\$ 1,632,020	\$ 2,533,513	\$ 10,007,447
15							
16 Bad Debt Rate	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	
17							
18 Total Bad Debt Cost	\$ 42,864	\$ 16,141	\$ 28,881	\$ 27,784	\$ 32,314	\$ 50,164	\$ 198,147

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
MAY THROUGH OCTOBER 2013
SCHEDULE 6
PEAK BAD DEBT AND WORKING CAPITAL COSTS

FOR MONTH OF:	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
1 Demand	\$ 522,923	\$ 522,385	\$ 525,341	\$ 523,232	\$ 526,215	\$ 531,797	\$ 3,151,895
2 Commodity	-	-	-	-	-	-	-
3 Margins and Capacity Release	(216,787)	(1,412,166)	(343,498)	(349,317)	(83,874)	(23,022)	(2,428,665)
4 Total Gas Costs	\$ 306,136	\$ (889,781)	\$ 181,843	\$ 173,916	\$ 442,342	\$ 508,775	\$ 723,230
5							
6 Working Capital Rate	0.00127	0.00127	0.00127	0.00127	0.00127	0.00127	
7							
8 Total Working Capital Costs	\$ 389	\$ (1,131)	\$ 231	\$ 221	\$ 562	\$ 647	\$ 919
9							
10 Prior Period (Over)Undercollection	-	-	-	-	-	-	-
11							
12 Subtotal Gas Costs, Working Capital & Under Collection	\$ 306,525	\$ (890,912)	\$ 182,074	\$ 174,137	\$ 442,904	\$ 509,421	\$ 724,149
13							
14 Bad Debt Rate	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	
15							
16 Total Bad Debt Cost	\$ 6,069	\$ (17,640)	\$ 3,605	\$ 3,448	\$ 8,769	\$ 10,087	\$ 14,338

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

REDACTED

MAY THROUGH OCTOBER 2013

SCHEDULE 7

WORKING CAPITAL & BAD DEBT REVENUE BILLED

FOR MONTH OF:	May-13 Winter	May-13 Summer	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Total OffPeak	Total Peak
1 VOLUMES										
2 RESIDENTIAL										
3 R-1, R-3 and R-4	2,211,191	848,407	1,872,157	1,286,993	1,143,057	1,237,694	1,548,275	1,840,860	9,777,443	2,211,191
4 R-1, R-3 and R-4 FPO	350,261	137,923	21,579	(883)	(16)	-	-	-	158,603	350,261
5										
6 COMMERCIAL/INDUSTRIAL										
7 G41 - G43	1,104,564	400,351	735,806	497,311	417,052	495,813	594,252	1,584,976	4,725,561	1,104,564
8 G41 - G43 FPO	73,777	34,351	8,647	(8)	(177)	-	-	-	42,813	73,777
9 G51 - G63	280,507	112,247	336,821	291,642	283,553	289,559	207,843	430,712	1,952,377	280,507
10 G51 - G63 FPO	11,918	7,916	2,583	(26)	-	-	-	-	10,473	11,918
11										
12 TRANSPORTATION										
13 G41 - G43	1,784,264	384,025	1,143,583	756,731	655,356	840,069	1,330,379	358,590	5,468,733	1,784,264
14 G51 - G63	2,613,675	101,145	2,500,899	2,355,447	2,365,156	2,841,704	2,279,157	1,174,793	13,618,301	2,613,675
15										
16 TOTAL VOLUME	8,430,157	2,026,365	6,622,075	5,187,207	4,863,981	5,704,839	5,959,906	5,389,931	35,754,304	8,430,157
17										
18 WORKING CAPITAL RATES										
19 Residential R1 & R3	\$ 0.0008	\$ 0.0007	\$ 0.0007	\$ 0.0007	\$ 0.0007	\$ 0.000671	\$ 0.000738	\$ 0.000685		
20 Residential R1 & R3 FPO	0.0008	0.0007	0.0007	0.0007	0.0007	0.000671	0.000738	0.000685		
21 C/I Sales G41 to G43	0.0008	0.0007	0.0007	0.0007	0.0007	0.000671	0.000738	0.000685		
22 C/I Sales G41 to G43 FPO	0.0008	0.0007	0.0007	0.0007	0.0007	0.000671	0.000738	0.000685		
23 C/I Sales G51 to G63	0.0008	0.0007	0.0007	0.0007	0.0007	0.000671	0.000738	0.000685		
24 C/I Sales G51 to G63 FPO	0.0008	0.0007	0.0007	0.0007	0.0007	0.000671	0.000738	0.000685		
25										
26 WORKING CAPITAL REVENUE BILLED										
27 Residential R1 & R3	\$ 1,769	\$ 594	\$ 1,311	\$ 901	\$ 800	\$ 830	\$ 1,143	\$ 1,260	\$ 6,838	\$ 1,769
28 Residential R1 & R3 FPO	280	97	15	(1)	(0)	-	-	-	111	280
29 C/I Sales G41 to G43	884	280	515	348	292	332	439	1,085	3,291	884
30 C/I Sales G41 to G43 FPO	59	24	6	(0)	(0)	-	-	-	30	59
31 C/I Sales G51 to G63	224	79	236	204	198	194	153	295	1,359	224
32 C/I Sales G51 to G63 FPO	10	6	2	(0)	-	-	-	-	7	10
33 WORKING CAPITAL REVENUE BILLED	\$ 3,226	\$ 1,079	\$ 2,084	\$ 1,453	\$ 1,290	\$ 1,356	\$ 1,735	\$ 2,640	\$ 11,637	\$ 3,226
34										
35 BAD DEBT RATES										
36 Residential R1 & R3	\$ 0.0176	\$ 0.0164	\$ 0.0164	\$ 0.0164	\$ 0.0164	\$ 0.015975	\$ 0.017370	\$ 0.016224		
37 Residential R1 & R3 FPO	0.0176	0.0164	0.0164	0.0164	0.0164	\$ 0.015975	\$ 0.017370	\$ 0.016224		
38 C/I Sales G41 to G43	0.0176	0.0164	0.0164	0.0164	0.0164	\$ 0.015975	\$ 0.017370	\$ 0.016224		
39 C/I Sales G41 to G43 FPO	0.0176	0.0164	0.0164	0.0164	0.0164	\$ 0.015975	\$ 0.017370	\$ 0.016224		
40 C/I Sales G51 to G63	0.0176	0.0164	0.0164	0.0164	0.0164	\$ 0.015975	\$ 0.017370	\$ 0.016224		
41 C/I Sales G51 to G63 FPO	0.0176	0.0164	0.0164	0.0164	0.0164	\$ 0.015975	\$ 0.017370	\$ 0.016224		
42										
43 BAD DEBTS REVENUE BILLED										
44 Residential R1 & R3	\$ 38,917	\$ 13,914	\$ 30,703	\$ 21,107	\$ 18,746	\$ 19,772	\$ 26,893	\$ 29,866	\$ 161,001	\$ 38,917
45 Residential R1 & R3 FPO	6,165	2,262	354	(14)	(0)	-	-	-	2,601	6,165
46 C/I Sales G41 to G43	19,440	6,566	12,067	8,156	6,840	7,921	10,322	25,715	77,586	19,440
47 C/I Sales G41 to G43 FPO	1,298	563	142	(0)	(3)	-	-	-	702	1,298
48 C/I Sales G51 to G63	4,937	1,841	5,524	4,783	4,650	4,626	3,610	6,988	32,022	4,937
49 C/I Sales G51 to G63 FPO	210	130	42	(0)	-	-	-	-	172	210
50 BAD DEBTS REVENUE BILLED	\$ 70,967	\$ 25,276	\$ 48,833	\$ 34,030	\$ 30,233	\$ 32,318	\$ 40,825	\$ 62,569	\$ 274,083	\$ 70,967

REDACTED

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
MAY THROUGH OCTOBER 2013
OFF PEAK COMMODITY COSTS AND THERMS
SCHEDULE 8

FOR THE MONTH OF:		Reference		May-12		Jun-12		Jul-12		Aug-12		Sep-12		Oct-12		Total	
				Dollar	Volume Dth	Dollar	Volume Dth	Dollar	Volume Dth	Dollar	Volume Dth	Dollar	Volume Dth	Dollar	Volume Dth	Dollar	Volume Dth
1	TENNESSEE COMMODITY		Sch 2B line 122														
2	Total Supply		Sch 2B line 154														
3	Off System Sales		Sch 2B line 76														
4	Transportation																
5	Total Tennessee Commodity																
6																	
7																	
8	CITY GATE SUPPLY - YPEM		Sch 2B line 83														
9																	
10	DRACUT COMMODITY		Sch 2B line 85														
11																	
12																	
13	Hedging (Gains) Losses		Sch 2B line 124														
14																	
15																	
16	CANADIAN COMMODITY		Sch 2B line 69														
17	PNGT'S Supply																
18	SUBTOTAL PNGT'S Commodity																
19																	
20	BP/Northeast Gas Market		Sch 2B line 64														
21	Nexen		Sch 2B line 65														
22	Sempra		Sch 2B line 66														
23	SUBTOTAL TGP/Niagra Commodity																
24																	
25	ANE Union/Transgas Transportation		Sch 2B line 70														
26	SUBTOTAL TGP/Transgas Commodity																
27																	
28	LNG - Accounting Adjustment		Sch 2B line 133														
29	LNG VAPOR - P/S Plant		Sch 2B line 134														
30	SUBTOTAL LNG																
31																	
32																	
33	Propane Sendout - P/S Plant		Sch 2B line 138														
34	Energy North Propane - Tank Farm		Sch 2B line 139														
35	SUBTOTAL PROPANE																
36																	
37																	
38	STORAGE WITHDRAWALS		Sch 2B line 129														
39	STORAGE INJECTIONS		Sch 2B line 130														
40																	
41	TAXES		Sch 2B line 142														
42																	
43	SUPPLIER CASHOUT		Sch 2B lines 144+150														
44																	
45	CAPACITY MANAGED - CANADIAN		Sch 2B line 146														
46																	
47	NON FIRM COSTS		Sch 2B line 156														
48																	
49																	
50	SUBTOTAL OTHER																
51																	
52																	
53	TOTAL COMMODITY COST			\$ 1,432,978	291,399	\$ 48,732	188,595	\$ 716,061	178,523	\$ 677,716	189,737	\$ 882,526	243,064	\$ 1,745,572	487,345	\$ 5,503,385	1,578,663

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LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.**REDACTED****MAY THROUGH OCTOBER 2013****MONTHLY PRIME RATES****SCHEDULE 9**

MONTH	DATES	PRIME RATE	DAYS IN MONTH	WEIGHTED RATE
May 2013	05/01 - 05/31	3.25%	31	3.2500%
June 2013	06/01 - 06/30	3.25%	30	3.2500%
July 2013	07/01 - 07/31	3.25%	31	3.2500%
August 2013	08/01 - 08/31	3.25%	31	3.2500%
September 2013	09/01 - 09/30	3.25%	30	3.2500%
October 2013	10/01 - 10/31	3.25%	31	3.2500%

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.

REDACTED

November 2012-October 2013

OCCUPANT DISALLOWANCE/CREDIT CALCULATION

SCHEDULE 10

1	Assumptions	Total	References
2	Calculation of Threshold		
3	No. of Closed Occupant Account	1,994	Schedule 11, col (k), ln 88
4	Actual Occupant Use /Cust	125	Schedule 11, col (k), ln 93
5	Threshold Use/Cust- Toa	67	Schedule 12, col (d), ln 19
6	Threshold Allowed	133,598	lns 3 * 5
7			
8		COG Impact	
9		Toa <Avg.AO <Toa+20 therm	
10		85<Avg AO<105	
11	Actual Annual Occupant Accounts closed from IT Report		
12	Actual Annual Throughput (Therms)	249,661	lns 3 * 4
13	Number of closed Accounts	1,994	ln 3
14	COG Revenues for closed accounts	\$180,049	Schedule 11, col (k), ln 92
15	Base Revenue for closed accounts	\$195,442	Schedule 11, col (k), ln 91
16	Total Revenues for closed accounts	\$375,491	lns 14 + 15
17	Avg. annual throughput for closed Occupant (Avg. AO)	125	lns 12 / 13
18			
19	COG Data		
20	CommodityPortion of the COG factor	75.1%	Schedule 11, col (n) , ln 113
21	Avg. COG Factor	\$0.7212	lns 14 / 12
22	Avg. Commodity only COG factor	\$0.5414	lns 21 * 20
23			
24	Calculation of Disallowance/(Credit)		
25	Actual Occupant throughput closed	249,661	ln 12
26	Number of Occupant accounts closed	1,994	ln 13
27	Average Occupant throughput per customer (Avg. AO)	125	lns 25 / 26
28	Occupant Threshold-Toa	67	ln 5
29	Occupant Maximum Range	87	ln 28 + '20'
30	Occupant Minimum Range	47	ln 28 - '20'
31			
32	Variance (Act AO - Toa)	58	lns 27 - 28
33	Volume within +/-20 therm Range subject to 50% sharing	20	IF(ln 32>0,IF(ln 32<20,ln 32,20),IF(ln 32>-20,ln 32,-20))
34	Volume Exceeding Min/Max subject to 100%	38	lns 32 - 33
35			
36	50% Sharing Applied	50%	
37	Volumes Adjusted	19,940	lns 33 * 36 * 26
38	COG Factor -commodity only	\$0.5414	ln 22
39	COG Revenue Disallowed/(Credit)	\$10,796	lns 37 * 38
40			
41	100% Applied		
42	Volumes Adjusted	76,183	lns 26 * 34
43	COG Factor -commodity only	\$0.5414	ln 38
44	COG Revenue Disallowed/(Credit)	\$41,246	lns 42 * 43
45			
46	Total COG Revenues Disallowed/(Credit)	\$52,042	lns 44 + 39
47			
48	Peak Sales Volume	75,294,252	Recon PK 12-13: Schedule 3, col (i) , ln 17
49	OffPeak Sales Volume	16,667,270	Schedule 3, col (j) , ln 17
50	Total	91,961,522	lns 48 + 49
51			
52	Peak Occupant Disallowed/(Credit)	\$42,610	lns 48 / 50 * 46
53	OffPeak Occupant Disallowed/(Credit)	\$9,432	lns 46 * 49 / 50
54	Total Occupant Disallowed/(Credit)	\$52,042	lns 52 + 53

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
November 2012-October 2013
OCCUPANT DISALLOWANCE/CREDIT BACKUP
SCHEDULE 11

Occupant bills Calculation													
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
RPT 9020 & 9021	R-1	R-3	R-4	G-41	G-42	G-43	G-51	G-52	G-53	Total	Residential	Comm	
Nov-12													
NO. Custs	19	191	-	(2)	2	-	(1)	-	-	209	210	(1)	
Usage	11,029	19,014	-	1,753	301	-	-	-	-	32,097	30,043	2,054	
UAG \$	\$3,000	\$16,503	\$0	\$3,251	\$1,062	\$0	\$561	\$0	\$0	\$24,376	19,502	4,874	
COG \$	\$8,443	\$12,646	\$0	\$1,220	\$172	\$0	\$0	\$0	\$0	\$22,482	21,090	1,392	
Usage/Cust	580	100	-	-	151	-	-	-	-	154	143	(2,054)	
Dec-12													
NO. Custs	14	239	-	17	-	-	2	-	-	272	253	19	
Usage	925	21,319	-	3,484	-	-	141	-	-	25,869	22,244	3,625	
UAG \$	\$1,491	\$17,914	\$0	\$4,505	\$0	\$0	\$246	\$0	\$0	\$24,155	19,404	4,751	
COG \$	\$608	\$14,052	\$0	\$2,366	\$0	\$0	\$89	\$0	\$0	\$17,115	14,660	2,455	
Usage/Cust	66	89	-	205	-	-	71	-	-	95	88	191	
Jan-13													
NO. Custs	11	194	-	9	-	-	1	1	-	216	205	11	
Usage	230	37,403	-	860	-	-	47	12	-	38,552	37,633	919	
UAG \$	\$807	\$16,866	\$0	\$1,941	\$0	\$0	\$212	\$47	\$0	\$19,873	17,673	2,200	
COG \$	\$130	\$24,865	\$0	\$572	\$0	\$0	\$29	\$8	\$0	\$25,603	24,994	609	
Usage/Cust	21	193	-	96	-	-	47	12	-	178	184	84	
Feb-13													
NO. Custs	12	153	-	10	-	-	2	-	-	177	165	12	
Usage	531	22,709	-	4,966	-	-	312	-	-	28,518	23,240	5,278	
UAG \$	\$900	\$13,203	\$0	\$1,610	\$0	\$0	\$246	\$0	\$0	\$15,958	14,102	1,856	
COG \$	\$348	\$15,696	\$0	\$3,624	\$0	\$0	\$219	\$0	\$0	\$19,888	16,044	3,844	
Usage/Cust	44	148	-	497	-	-	156	-	-	161	141	440	
Mar-13													
NO. Custs	5	189	-	-	-	-	3	1	-	198	194	4	
Usage	160	12,654	-	(1,315)	-	-	157	1,024	-	12,680	12,814	(134)	
UAG \$	\$599	\$15,436	\$0	(\$424)	\$0	\$0	\$235	\$240	\$0	\$16,086	16,034	52	
COG \$	\$111	\$10,611	\$0	(\$878)	\$0	\$0	\$109	\$854	\$0	\$10,806	10,721	85	
Usage/Cust	32	67	-	-	-	-	52	1,024	-	64	66	(34)	
Apr-13													
NO. Custs	22	193	-	4	-	-	-	-	-	219	215	4	
Usage	1,072	32,176	-	714	-	-	-	-	-	33,962	33,248	714	
UAG \$	\$2,002	\$19,925	\$0	\$1,007	\$0	\$0	\$58	\$0	\$0	\$22,993	21,927	1,066	
COG \$	\$769	\$24,772	\$0	\$508	\$0	\$0	\$0	\$0	\$0	\$26,049	25,541	508	
Usage/Cust	49	167	-	179	-	-	-	-	-	155	155	179	
May-13													
NO. Custs	15	131	-	8	-	-	-	-	-	154	146	8	
Usage	479	16,112	-	893	-	-	-	-	-	17,484	16,591	893	
UAG \$	\$1,088	\$11,841	\$0	(\$326)	\$4	\$0	\$29	\$0	\$0	\$12,635	12,928	(293)	
COG \$	\$355	\$12,449	\$0	\$612	\$0	\$0	\$0	\$0	\$0	\$13,416	12,804	612	
Usage/Cust	32	123	-	112	-	-	-	-	-	114	114	112	
Jun-13													
NO. Custs	15	170	-	1	1	-	1	1	-	189	185	4	
Usage	675	28,758	-	1,205	364	-	579	96	-	31,677	29,433	2,244	
UAG \$	\$1,385	\$21,328	\$0	\$1,548	\$553	\$0	\$174	\$414	\$0	\$25,403	22,714	2,689	
COG \$	\$474	\$21,317	\$0	\$935	\$259	\$0	\$479	\$74	\$0	\$23,538	21,791	1,747	
Usage/Cust	45	169	-	1,205	364	-	579	96	-	168	159	561	
Jul-13													
NO. Custs	10	136	-	3	-	-	2	1	-	152	146	6	
Usage	300	12,463	-	699	-	-	30	38	-	13,530	12,763	767	
UAG \$	\$2,274	\$11,282	\$0	\$940	\$0	\$0	\$12	\$25	\$0	\$14,534	13,557	977	
COG \$	\$208	\$9,185	\$0	\$557	\$0	\$0	\$21	\$27	\$0	\$9,998	9,393	605	
Usage/Cust	30	92	-	233	-	-	15	38	-	89	87	128	
Aug-13													
NO. Custs	4	144	-	2	-	-	1	-	-	151	148	3	
Usage	104	13,954	-	120	-	-	4	-	-	14,182	14,058	124	
UAG \$	\$585	\$14,632	\$0	\$777	\$0	\$0	\$2	\$0	\$0	\$15,996	15,217	779	
COG \$	\$76	\$10,226	\$0	\$85	\$0	\$0	\$3	\$0	\$0	\$10,391	10,302	88	
Usage/Cust	26	97	-	60	-	-	4	-	-	94	95	41	
Sep-13													
NO. Custs	1	27	-	-	-	-	-	-	-	28	28	-	
Usage	7	292	-	-	-	-	-	-	-	299	299	-	
UAG \$	\$19	\$987	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,006	1,006	-	
COG \$	\$5	\$215	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$220	220	-	
Usage/Cust	7	11	-	-	-	-	-	-	-	11	11	#DIV/0!	
Oct-13													
NO. Custs	2	24	2	1	-	-	-	-	-	29	26	1	
Usage	29	690	77	15	-	-	-	-	-	811	719	15	
UAG \$	\$131	\$1,852	\$98	\$345	\$0	\$0	\$0	\$0	\$0	\$2,426	1,983	345	
COG \$	\$19	\$463	\$52	\$10	\$0	\$0	\$0	\$0	\$0	\$544	482	10	
Usage/Cust	15	29	39	15	-	-	-	-	-	28	28	15	
Annual Nov 12-Oct 13													
NO. Custs	130	1,791	2	53	3	-	11	4	-	1,994	1,921	71	
Usage	15,541	217,544	77	13,394	665	-	1,270	1,170	-	249,661	233,085	16,499	
UAG \$	\$14,281	\$161,768	\$98	\$15,176	\$1,618	\$0	\$1,775	\$726	\$0	\$195,442	\$176,049	\$19,296	
COG \$	\$11,545	\$156,497	\$52	\$9,611	\$431	\$0	\$949	\$963	\$0	\$180,049	\$168,042	\$11,955	
Usage/Cust	120	121	39	253	222	-	115	293	-	125	121	232	

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
November 2012-October 2013
OCCUPANT DISALLOWANCE/CREDIT BACKUP
SCHEDULE 11

Occupant bills Calculation

(a) (b) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n)

DETERMINATION OF COMMODITY PORTION OF GAS COSTS

		Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Total
94														
95														
96														
97		Total Gas Cost From Annual Reconciliatoin												
98														
99	Demand	918,982	1,058,469	958,508	1,003,665	951,822	907,715	1,243,611	1,279,352	1,257,590	1,238,523	1,265,184	1,308,267	13,391,687
100	Commodity	4,430,811	8,412,845	14,162,206	11,121,253	5,429,087	3,336,699	1,456,253	48,732	716,061	677,716	882,526	1,737,142	52,411,330
101	Hedging	262,720	251,155	431,440	514,865	543,645	27,385	(23,275)	-	-	-	-	8,230	2,016,165
102	Prod/Storage&Misc O/H	331,860	331,860	331,860	331,860	331,860	331,860	472	472	472	472	472	472	1,993,996
103	Sub-total	5,944,373	10,054,330	15,884,014	12,971,643	7,256,415	4,603,659	2,677,061	1,328,556	1,974,123	1,916,711	2,148,181	3,054,112	69,813,178
104														
105	Check	5,944,373	10,054,330	15,884,014	12,971,643	7,256,415	4,603,659	2,677,061	1,328,556	1,974,123	1,916,711	2,148,181	3,054,112	69,813,178
106	Variance	-	-	-	-	-	-	-	-	-	-	-	-	-
107														
108	Demand													15,385,683
109	Commodity													52,411,330
110	Hedging													2,016,165
111	Total													69,813,178
112														
113		Total Commodity as % Total Gas Costs												75.1%

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP.
Determination of Occupant Threshold
SCHEDULE 12

REDACTED

Revised Calculation of Threshold Amount of Occupant Use/Customer

1	(a)	Billed Amount (b)	BilledTherms (c)	DaysBilled (d)	No. of Acct (e)	Avg. Bill/cust (f)	Avg Days bill/cust (g)	Avg. Bill/day (h)	60 Day bill (i)	90 Day bill (j)	75/25 split (k)
2											
3											
4											
5											
6	Nov 09 - Oct 10	\$169,437	211,699	269,833	2,820	75.07		0.78	47	71	52.96
7	Nov 10 - Oct 11	\$227,281	307,799	268,818	3,305	93.13		1.15	69	103	77.29
8	Nov 11 - Oct 12	\$263,522	278,708	266,509	4,499	61.95		1.05	63	94	70.59
9											
10	Total	\$660,239	798,206	805,160	10,624						
11											
12											
13	Average (2009-12)					76.72		0.99	59.51	89.26	67
14											
15	25% @ 90 day		89	22							
16											
17	75% @ 60 day		60	45							
18											
19											
	Total Average			67							

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Aging Frequency		Number of Accounts											
	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13
Less than 3	242	184	199	218	190	184	190	264	264	133	92	(a)	(a)
3 - 6 months	310	321	416	500	485	430	368	360	412	503	520	(a)	(a)
Greater than 6 months	159	154	151	162	201	218	275	299	269	288	308	(a)	(a)
Total	711	659	766	880	876	832	833	923	945	924	920	0	0
Monthly Differential		-52	107	114	-4	-44	1	90	22	-21	-4	(a)	(a)
Total Net Close		-209	-272	-216	-177	-198	-219	-154	-189	-152	-151	(a)	(a)
Total Net Open		157	379	330	173	154	220	244	211	131	147	(a)	(a)

(a) Data is not currently available

New Hampshire "Advanced Consumption" Summary
November 2012

II. Overall Statistics by Frequency

CCF

Adv Consumption Frequency	Number of Accts	% of Grand Total	Total CCF (Unconfirmed)	% of Total
13 to 50 ccf	362	54.9%	9,261	20.5%
51 to 100 ccf	109	16.5%	7,655	17.0%
101 to 500 ccf	69	10.5%	12,272	27.2%
501 to 1,000 ccf	13	2.0%	9,796	21.7%
1,001 to 10,000 ccf	4	0.6%	6,156	13.6%
CCF Unavailable*	102	15.5%	-	
	659		45,140	

** "Old" occupant accounts data record doesn't contain consumption

	Adv. Consumption Acct Balance	Number of Accts	Number of Accts	Total \$ (Unconfirmed)	% of Total
\$					
\$0		2	0.3%		
\$1 - \$100		410	62.2%	\$21,584	22.3%
\$101 - \$500		217	32.9%	\$40,673	42.0%
\$501 - \$2,000		28	4.2%	\$28,733	29.7%
\$2,001 - \$10,000		2	0.3%	\$5,818	6.0%
Grand Total*		659		\$96,808	

Aging Frequency	Number of Accts	% of Total	Total \$ (Unconfirmed)	% of Total	Average Acct Balance
Less than 3 Months	184	27.9%	\$6,985	7.2%	\$38
3 to 6 Months	321	48.7%	\$28,823	29.8%	\$90
* Greater than 6 Months	154	23.4%	\$60,999	63.0%	\$396
Total	659		\$96,808		
*Greater than 6 Months and CCF > 500	16		\$21,671		\$1,354

II. Statistics by Market & Usage

	Number of Accounts					
	Residential			Non-Residential		
Adv Consumption Frequency	Heating	Non-Heating	Residential- Total	Heating	Non-Heating	Non-Residential Total
13 to 50 ccf	302	49		8	3	11
51 to 100 ccf	96	11		2		2
101 to 500 ccf	58	7		4		4
501 to 1,000 ccf	12				1	1
1,001 to 10,000 ccf	3			1		1
CCF Unavailable*	84	5		11	2	13
Total	555	72	627	26	6	32
% of Market Total	88.5%	11.5%		81.3%	18.8%	
% of Grand Total*	84.2%	10.9%		3.9%	0.9%	

New Hampshire "Advanced Consumption" Summary
January 2013

II. Overall Statistics by Frequency

CCF

Adv Consumption Frequency	Number of Accts	% of Grand Total	Total CCF (Unconfirmed)	% of Total
13 to 50 ccf	302	37.6%	8,663	7.3%
51 to 100 ccf	166	20.6%	12,085	10.2%
101 to 500 ccf	311	38.7%	65,921	55.7%
501 to 1,000 ccf	17	2.1%	10,686	9.0%
1,001 to 10,000 ccf	7	0.9%	10,783	9.1%
10,001 to 49,999 ccf	1	0.1%	10,181	8.6%
CCF Unavailable*				
	804		118,319	

** "Old" occupant accounts data record doesn't contain consumption

Adv. Consumption Acct Balance	Number of Accts	Number of Accts	Total \$ (Unconfirmed)	% of Total
\$0	4	0.5%	\$1	0.0%
\$1 - \$100	342	38.9%	\$20,725	12.0%
\$101 - \$500	485	55.2%	\$106,701	62.0%
\$501 - \$2,000	47	5.3%	\$40,943	23.8%
\$2,001 - \$10,000	1	0.1%	\$3,811	2.2%
\$10,001 +				
Grand Total*	879		\$172,181	

Aging Frequency	Number of Accts	% of Total	Total \$ (Unconfirmed)	% of Total	Average Acct Balance
Less than 3 Months	218	24.8%	\$16,626	9.1%	\$76
3 to 6 Months	500	56.8%	\$97,337	53.4%	\$195
* Greater than 6 Months	162	18.4%	\$68,459	37.5%	\$423
Total	880		\$182,422		
*Greater than 6 Months and CCF > 500	17		\$23,319		\$1,372

II. Statistics by Market & Usage

		Number of Accounts			
		Residential		Non-Residential	
Adv Consumption Frequency		Heating	Non-Heating	Residential- Total	Non-Residential- Total
13 to 50 ccf	235	53		12	14
51 to 100 ccf	149	12		4	5
101 to 500 ccf	280	14		16	17
501 to 1,000 ccf	13			4	4
1,001 to 10,000 ccf	7				
10,001 to 49,999 ccf					1
CCF Unavailable*					
Total	684	79		36	41
% of Market Total	89.6%	10.4%		87.8%	12.2%
% of Grand Total*	85.1%	9.8%		4.5%	0.6%

March 2013

CCF

Adv Consumption Frequency	Number of Accts	% of Grand Total	Total CCF (Unconfirmed)	% of Total
13 to 50 ccf	224	26.9%	6,540	4.3%
51 to 100 ccf	146	17.5%	10,791	7.1%
101 to 500 ccf	343	41.2%	80,420	53.1%
501 to 1,000 ccf	53	6.4%	36,926	24.4%
1,001 to 10,000 ccf	11	1.3%	16,896	11.1%
CCF Unavailable*	55	6.6%	-	
	832		151,573	

**** "Old" occupant accounts data record doesn't contain consumption**

Adv. Consumption Acct Balance	Number of Accts		Total \$ (Unconfirmed) % of Total	
\$0	1	0.1%		
\$1 - \$100	219	26.3%	\$12,874	5.6%
\$101 - \$500	508	61.1%	\$125,156	54.1%
\$501 - \$2,000	99	11.9%	\$81,063	35.0%
\$2,001 - \$10,000	5	0.6%	\$12,347	5.3%
Grand Total*	832		\$231,440	

Number of Accounts

		Number of Accounts					
		Residential		Non-Residential			
Adv Consumption Frequency		Residential-Total		% of Market		Non-Residential	
		Heating	Non-Heating	Residential-Total	Heating	Non-Heating	% of Market Total
13 to 50 ccf		163	54		7		14.3%
51 to 100 ccf		125	17		3	1	8.2%
101 to 500 ccf		306	17		19	1	40.8%
501 to 1,000 ccf		51			2		4.1%
1,001 to 10,000 ccf		9	1		1		2.0%
CCF Unavailable*		34	6		12	3	30.6%
Total		688	95	783	44	5	100.0%
% of Market Total		87.9%	12.1%		89.8%	10.2%	
% of Grand Total*		82.7%	11.4%		5.3%	0.6%	

New Hampshire "Advanced Consumption" Summary

II. Overall Statistics by Frequency

CCF

Adv Consumption	Number of Accts	% of Grand Total	Total CCF (Unconfirmed)	% of Total
Frequency				
13 to 50 ccf	241	28.9%	6,737	4.3%
51 to 100 ccf	135	16.2%	9,728	6.3%
101 to 500 ccf	311	37.3%	75,907	48.9%
501 to 1,000 ccf	57	6.8%	39,471	25.4%
1,001 to 10,000 ccf	16	1.9%	23,428	15.1%
CCF Unavailable*	73	8.8%	-	
	833		155,271	

**** "Old" occupant accounts data record doesn't contain consumption**

Adv. Consumption Acct Balance		Number of Accts	Number of Accts	Total \$ (Unconfirmed) % of Total
\$0		3	0.4%	\$1 0.0%
\$1 - \$100		248	29.8%	\$13,132 5.5%
\$101 - \$500		454	54.5%	\$113,350 47.2%
\$501 - \$2,000		122	14.6%	\$98,520 41.0%
\$2,001 - \$10,000		6	0.7%	\$15,232 6.3%
Grand Total*		833		\$240,235

II. Statistics by Market & Usage

		Number of Accounts					
		Residential			Non-Residential		
Adv Consumption Frequency		Residential-Total		% of Market		Non-Residential	
		Heating	Non-Heating	Total	% of Market	Heating	Non-Heating
13 to 50 ccf		184	43			10	4
51 to 100 ccf		111	16			7	1
101 to 500 ccf		269	21			19	2
501 to 1,000 ccf		54				3	
1,001 to 10,000 ccf		15				1	1
CCF Unavailable*		49	7			16	1
Total		682	87	769	100.0%	56	8
% of Market Total		88.7%	11.3%			87.5%	12.5%
% of Grand Total*		81.9%	10.4%			6.7%	1.0%

New Hampshire "Advanced Consumption" Summary

II. Overall Statistics by Frequency

CCF

Adv Consumption Frequency	Number of Accts	% of Grand Total	Total CCF (Unconfirmed)	% of Total
13 to 50 ccf	255	27.6%	6,935	4.7%
51 to 100 ccf	120	13.0%	8,902	6.1%
101 to 500 ccf	273	29.6%	65,793	44.8%
501 to 1,000 ccf	54	5.9%	36,520	24.9%
1,001 to 10,000 ccf	20	2.2%	28,635	19.5%
CCF Unavailable*	201	21.8%	-	
	923		146,785	

**** "Old" occupant accounts data record doesn't contain consumption**

	Adv. Consumption Acct Balance	Number of		Total \$ (Unconfirmed)	% of Total
		Accts	Accts		
\$0		16	1.7%	\$2	0.0%
\$1 - \$100		365	39.5%	\$14,519	6.1%
\$101 - \$500		407	44.1%	\$101,286	42.7%
\$501 - \$2,000		129	14.0%	\$105,489	44.5%
\$2,001 - \$10,000		6	0.7%	\$15,776	6.7%
Grand Total*		923		\$237,072	

II. Statistics by Market & Usage

		Number of Accounts					
		Residential			Non-Residential		
Adv Consumption Frequency		Residential-Total		% of Market		Non-Residential	
		Heating	Non-Heating	Total	% of Market	Heating	Non-Heating
13 to 50 ccf		199	42			11	3
51 to 100 ccf		99	14			5	2
101 to 500 ccf		230	23			19	1
501 to 1,000 ccf		50				4	
1,001 to 10,000 ccf		20					
CCF Unavailable*		152	5			41	3
Total		750	84	834	100.0%	80	9
% of Market Total		89.9%	10.1%			89.9%	10.1%
% of Grand Total*		81.3%	9.1%			8.7%	1.0%

June 2013

CCF

5

Adv. Consumption Acct Balance	Number of Accts	Number of Accts	Total \$ (Unconfirmed)	% of Total
\$0	20	2.1%		
\$1 - \$100	439	46.5%	\$19,426	8.8%
\$101 - \$500	364	38.5%	\$86,528	39.0%
\$501 - \$2,000	115	12.2%	\$97,274	43.8%
\$2,001 - \$10,000	7	0.7%	\$18,734	8.4%
Grand Total*	945		\$221,962	

Number of Accounts

51

July 2013

CCF

Ⓕ

\$219,439

\$219,439

Number of Accounts

Number of Accounts

II. Overall Statistics by Frequency

Adv Consumption Frequency	Number of Accts	% of Grand Total	Total CCF (Unconfirmed)	% of Total
13 to 50 ccf	347	37.7%	8,997	7.9%
51 to 100 ccf	114	12.4%	8,264	7.3%
101 to 500 ccf	191	20.8%	42,359	37.3%
501 to 1,000 ccf	35	3.8%	23,785	20.9%
1,001 to 10,000 ccf	21	2.3%	30,142	26.5%
CCF Unavailable*	212	23.0%	-	
	920		113,547	

**** "Old" occupant accounts data record doesn't contain consumption**

II. Statistics by Market & Usage

		Number of Accounts					
		Residential		Non-Residential			
Adv Consumption Frequency		Residential		Non-Residential		% of Market	
		Heating	Non-Heating	Residential-Total	Non-Heating	Residential-Total	% of Market Total
13 to 50 ccf		289	33		18	7	25.8%
51 to 100 ccf		98	12		3	1	4.1%
101 to 500 ccf		152	24		14	1	15.5%
501 to 1,000 ccf		32			2	1	3.1%
1,001 to 10,000 ccf		21					
CCF Unavailable*		159	3		42	8	51.5%
Total		751	72	823	79	18	100.0%
% of Market Total		91.3%	8.7%		81.4%	18.6%	
% of Grand Total*		81.6%	7.8%		8.6%	2.0%	

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