

Tariff Page Changes

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II RATE SCHEDULES
FIRM RATE SCHEDULES

	Winter Period				Summer Period			
	Delivery Charge	Cost of Gas Rate Page 77	LDAC Page 82	Total Rate	Delivery Charge	Cost of Gas Rate Page 77	LDAC Page 82	Total Rate
Residential Non Heating - R-1								
Customer Charge per Month per Meter	\$ 15.27			\$ 15.27	\$ 15.27			\$ 15.27
All Therms	\$ 0.2018	\$ 0.7068	\$ 0.0553	\$ 0.9639	\$ 0.2018	\$ 0.3338	\$ 0.0553	\$ 0.5909
	\$ 0.2014	\$ 0.7516	\$ 0.1014	\$ 1.0544				
Residential Heating - R-3								
Customer Charge per Month per Meter	\$ 22.10			\$ 22.10	\$ 22.10			\$ 22.10
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.3495	\$ 0.7068	\$ 0.0553	\$ 1.1116	\$ 0.3495	\$ 0.3338	\$ 0.0553	\$ 0.7386
	\$ 0.3486	\$ 0.7516	\$ 0.1014	\$ 1.2016				
All therms over the first block per month at	\$ 0.2892	\$ 0.7068	\$ 0.0553	\$ 1.0513	\$ 0.2892	\$ 0.3338	\$ 0.0553	\$ 0.6783
	\$ 0.2885	\$ 0.7516	\$ 0.1014	\$ 1.1415				
Residential Heating - R-4								
Customer Charge per Month per Meter	\$ 8.84			\$ 8.84	\$ 8.84			\$ 8.84
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.1398	\$ 0.7068	\$ 0.0553	\$ 0.9019	\$ 0.1398	\$ 0.3338	\$ 0.0553	\$ 0.5289
	\$ 0.1394	\$ 0.7516	\$ 0.1014	\$ 0.9924				
All therms over the first block per month at	\$ 0.1156	\$ 0.7068	\$ 0.0553	\$ 0.8777	\$ 0.1156	\$ 0.3338	\$ 0.0553	\$ 0.5047
	\$ 0.1153	\$ 0.7516	\$ 0.1014	\$ 0.9683				
Commercial/Industrial - G-41								
Customer Charge per Month per Meter	\$ 48.36			\$ 48.36	\$ 48.36			\$ 48.36
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.3965	\$ 0.7026	\$ 0.0370	\$ 1.1361	\$ 0.3965	\$ 0.3177	\$ 0.0370	\$ 0.7512
	\$ 0.3956	\$ 0.7454	\$ 0.0685	\$ 1.2095				
All therms over the first block per month at	\$ 0.2663	\$ 0.7026	\$ 0.0370	\$ 1.0059	\$ 0.2663	\$ 0.3177	\$ 0.0370	\$ 0.6210
	\$ 0.2657	\$ 0.7454	\$ 0.0685	\$ 1.0796				
Commercial/Industrial - G-42								
Customer Charge per Month per Meter	\$ 145.08			\$ 145.08	\$ 145.08			\$ 145.08
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.3606	\$ 0.7026	\$ 0.0370	\$ 1.1002	\$ 0.3606	\$ 0.3177	\$ 0.0370	\$ 0.7153
	\$ 0.3598	\$ 0.7454	\$ 0.0685	\$ 1.1737				
All therms over the first block per month at	\$ 0.2402	\$ 0.7026	\$ 0.0370	\$ 0.9798	\$ 0.2402	\$ 0.3177	\$ 0.0370	\$ 0.5949
	\$ 0.2396	\$ 0.7454	\$ 0.0685	\$ 1.0535				
Commercial/Industrial - G-43								
Customer Charge per Month per Meter	\$ 622.61			\$ 622.61	\$ 622.61			\$ 622.61
All therms over the first block per month at	\$ 0.2216	\$ 0.7026	\$ 0.0370	\$ 0.9612	\$ 0.1013	\$ 0.3177	\$ 0.0370	\$ 0.4560
	\$ 0.2210	\$ 0.7454	\$ 0.0685	\$ 1.0349				
Commercial/Industrial - G-51								
Customer Charge per Month per Meter	\$ 48.36			\$ 48.36	\$ 48.36			\$ 48.36
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.2390	\$ 0.7210	\$ 0.0370	\$ 0.9970	\$ 0.2390	\$ 0.3545	\$ 0.0370	\$ 0.6305
	\$ 0.2384	\$ 0.7647	\$ 0.0685	\$ 1.0716				
All therms over the first block per month at	\$ 0.1553	\$ 0.7210	\$ 0.0370	\$ 0.9133	\$ 0.1553	\$ 0.3545	\$ 0.0370	\$ 0.5468
	\$ 0.1549	\$ 0.7647	\$ 0.0685	\$ 0.9881				
Commercial/Industrial - G-52								
Customer Charge per Month per Meter	\$ 145.08			\$ 145.08	\$ 145.08			\$ 145.08
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2052	\$ 0.7210	\$ 0.0370	\$ 0.9632	\$ 0.1487	\$ 0.3545	\$ 0.0370	\$ 0.5402
	\$ 0.2047	\$ 0.7647	\$ 0.0685	\$ 1.0379				
All therms over the first block per month at	\$ 0.1367	\$ 0.7210	\$ 0.0370	\$ 0.8947	\$ 0.0845	\$ 0.3545	\$ 0.0370	\$ 0.4760
	\$ 0.1364	\$ 0.7647	\$ 0.0685	\$ 0.9696				
Commercial/Industrial - G-53								
Customer Charge per Month per Meter	\$ 640.74			\$ 640.74	\$ 640.74			\$ 640.74
All therms over the first block per month at	\$ 0.1434	\$ 0.7210	\$ 0.0370	\$ 0.9014	\$ 0.0688	\$ 0.3545	\$ 0.0370	\$ 0.4603
	\$ 0.1430	\$ 0.7647	\$ 0.0685	\$ 0.9762				
Commercial/Industrial - G-54								
Customer Charge per Month per Meter	\$ 640.74			\$ 640.74	\$ 640.74			\$ 640.74
All therms over the first block per month at	\$ 0.0547	\$ 0.7210	\$ 0.0370	\$ 0.8127	\$ 0.0297	\$ 0.3545	\$ 0.0370	\$ 0.4212
	\$ 0.0546	\$ 0.7647	\$ 0.0685	\$ 0.8878				

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David R. Swain

Title: President

II RATE SCHEDULES
FIRM RATE SCHEDULES

	Winter Period				Summer Period			
	Delivery Charge	Cost of Gas Rate Page 77	LDAC Page 82	Total Rate	Delivery Charge	Cost of Gas Rate Page 77	LDAC Page 82	Total Rate
Residential Non Heating - R-5								
Customer Charge per Month per Meter	\$ 19.85			\$ 19.85	\$ 19.85			\$ 19.85
All Therms	\$ 0.2623	\$ 0.7068	\$ 0.0553	\$ 1.0244	\$ 0.2623	\$ 0.3338	\$ 0.0553	\$ 0.6514
	\$ 0.2623	\$ 0.7516	\$ 0.1014	\$ 1.1153				
Residential Heating - R-6								
Customer Charge per Month per Meter	\$ 28.73			\$ 28.73	\$ 28.73			\$ 28.73
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.4544	\$ 0.7068	\$ 0.0553	\$ 1.2165	\$ 0.4544	\$ 0.3338	\$ 0.0553	\$ 0.8435
	\$ 0.4544	\$ 0.7516	\$ 0.1014	\$ 1.3074				
All therms over the first block per month at	\$ 0.3760	\$ 0.7068	\$ 0.0553	\$ 1.1381	\$ 0.3760	\$ 0.3338	\$ 0.0553	\$ 0.7651
	\$ 0.3760	\$ 0.7516	\$ 0.1014	\$ 1.2290				
Residential Heating - R-7								
Customer Charge per Month per Meter	\$ 11.49			\$ 11.49	\$ 11.49			\$ 11.49
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.1817	\$ 0.7068	\$ 0.0553	\$ 0.9438	\$ 0.1817	\$ 0.3338	\$ 0.0553	\$ 0.5708
	\$ 0.1817	\$ 0.7516	\$ 0.1014	\$ 1.0347				
All therms over the first block per month at	\$ 0.1503	\$ 0.7068	\$ 0.0553	\$ 0.9124	\$ 0.1503	\$ 0.3338	\$ 0.0553	\$ 0.5394
	\$ 0.1503	\$ 0.7516	\$ 0.1014	\$ 1.0033				
Commercial/Industrial - G-44								
Customer Charge per Month per Meter	\$ 62.87			\$ 62.87	\$ 62.87			\$ 62.87
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.5155	\$ 0.7026	\$ 0.0370	\$ 1.2551	\$ 0.5155	\$ 0.3177	\$ 0.0370	\$ 0.8702
	\$ 0.5155	\$ 0.7454	\$ 0.0685	\$ 1.3294				
All therms over the first block per month at	\$ 0.3462	\$ 0.7026	\$ 0.0370	\$ 1.0858	\$ 0.3462	\$ 0.3177	\$ 0.0370	\$ 0.7009
	\$ 0.3462	\$ 0.7454	\$ 0.0685	\$ 1.1604				
Commercial/Industrial - G-45								
Customer Charge per Month per Meter	\$ 188.60			\$ 188.60	\$ 188.60			\$ 188.60
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.4688	\$ 0.7026	\$ 0.0370	\$ 1.2084	\$ 0.4688	\$ 0.3177	\$ 0.0370	\$ 0.8235
	\$ 0.4688	\$ 0.7454	\$ 0.0685	\$ 1.2827				
All therms over the first block per month at	\$ 0.3123	\$ 0.7026	\$ 0.0370	\$ 1.0519	\$ 0.3123	\$ 0.3177	\$ 0.0370	\$ 0.6670
	\$ 0.3123	\$ 0.7454	\$ 0.0685	\$ 1.1262				
Commercial/Industrial - G-46								
Customer Charge per Month per Meter	\$ 809.39			\$ 809.39	\$ 809.39			\$ 809.39
All therms over the first block per month at	\$ 0.2881	\$ 0.7026	\$ 0.0370	\$ 1.0277	\$ 0.1317	\$ 0.3177	\$ 0.0370	\$ 0.4864
	\$ 0.2881	\$ 0.7454	\$ 0.0685	\$ 1.1020				
Commercial/Industrial - G-55								
Customer Charge per Month per Meter	\$ 62.87			\$ 62.87	\$ 62.87			\$ 62.87
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.3107	\$ 0.7210	\$ 0.0370	\$ 1.0687	\$ 0.3107	\$ 0.3545	\$ 0.0370	\$ 0.7022
	\$ 0.3107	\$ 0.7647	\$ 0.0685	\$ 1.1439				
All therms over the first block per month at	\$ 0.2019	\$ 0.7210	\$ 0.0370	\$ 0.9599	\$ 0.2019	\$ 0.3545	\$ 0.0370	\$ 0.5934
	\$ 0.2019	\$ 0.7647	\$ 0.0685	\$ 1.0351				
Commercial/Industrial - G-56								
Customer Charge per Month per Meter	\$ 188.60			\$ 188.60	\$ 188.60			\$ 188.60
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2667	\$ 0.7210	\$ 0.0370	\$ 1.0247	\$ 0.1933	\$ 0.3545	\$ 0.0370	\$ 0.5848
	\$ 0.2667	\$ 0.7647	\$ 0.0685	\$ 1.0999				
All therms over the first block per month at	\$ 0.1777	\$ 0.7210	\$ 0.0370	\$ 0.9357	\$ 0.1099	\$ 0.3545	\$ 0.0370	\$ 0.5014
	\$ 0.1777	\$ 0.7647	\$ 0.0685	\$ 1.0109				
Commercial/Industrial - G-57								
Customer Charge per Month per Meter	\$ 832.96			\$ 832.96	\$ 832.96			\$ 832.96
All therms over the first block per month at	\$ 0.1864	\$ 0.7210	\$ 0.0370	\$ 0.9444	\$ 0.0894	\$ 0.3545	\$ 0.0370	\$ 0.4809
	\$ 0.1864	\$ 0.7647	\$ 0.0685	\$ 1.0196				
Commercial/Industrial - G-58								
Customer Charge per Month per Meter	\$ 832.96			\$ 832.96	\$ 832.96			\$ 832.96
All therms over the first block per month at	\$ 0.0711	\$ 0.7210	\$ 0.0370	\$ 0.8291	\$ 0.0386	\$ 0.3545	\$ 0.0370	\$ 0.4301
	\$ 0.0711	\$ 0.7647	\$ 0.0685	\$ 0.9043				

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David R. Swain
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Anticipated Cost of Gas
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2016 THROUGH APRIL 30, 2017
~~PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2015 THROUGH APRIL 30, 2016~~
(REFER TO TEXT ON IN SECTION 16 COST OF GAS CLAUSE)

	<u>(Col-2)</u>	<u>(Col-3)</u>	<u>(Col 2)</u>	<u>(Col 3)</u>
ANTICIPATED DIRECT COST OF GAS				
Purchased Gas:				
Demand Costs:	\$ 7,958,775		\$ 7,527,898	
Supply Costs:	\$ 51,450,609		48,688,614	
Storage Gas:				
Demand, Capacity:	987,267		941,660	
Commodity Costs:	5,489,978		4,026,000	
Produced Gas:				
	3,547,477		1,797,499	
Hedged Contract Savings				
Hedge Underground Storage Contract (Savings)/Loss	176,262		-	
	<u>-</u>		<u>-</u>	
Unadjusted Anticipated Cost of Gas		\$ 69,610,368		\$ 62,981,672
Adjustments:				
Prior Period (Over)/Under Recovery (as of May 1, 2014 May 1, 2015)	\$ (4,339,198)		\$ 2,690,610	
Interest	(140,799)		33,236	
Prior Period Adjustments	<u>-</u>		<u>-</u>	
Broker Revenues	(1,917,919)		(1,374,947)	
Refunds from Suppliers	(358,694)		-	
Fuel Financing	<u>-</u>		<u>-</u>	
Transportation CGA Revenues	35,764		(29,471)	
Interruptible Sales Margin	<u>-</u>		<u>-</u>	
Capacity Release and Off System Sales Margin	(3,512,739)		(5,448,856)	
Hedging Costs	<u>-</u>		<u>-</u>	
Fixed Price Option Administrative Costs	49,565		41,972	
Total Adjustments	<u>(10,184,020)</u>		<u>(4,087,455)</u>	
Total Anticipated Direct Cost of Gas		\$ 59,426,348		\$ 58,894,216
Anticipated Indirect Cost of Gas				
Working Capital:				
Total anticipated Direct Cost of Gas (11/01/2014 - 04/30/2015)(11/01/15 - 04/30/16)	\$ 69,610,368		\$ 62,981,672	
Working Capital Rate	0.0391		0.0391	
Prime Rate	3.25%		3.50%	
Working Capital Percentage	0.127%		0.137%	
Working Capital	88,467		\$ 86,199	
Plus: Working Capital Reconciliation (Acct 142.20) (Acct 175.52)	<u>(28,115)</u>		<u>(33,597)</u>	
Total Working Capital Allowance	<u>\$ 60,352</u>		<u>\$ 52,603</u>	
Bad Debt:				
Total anticipated Direct Cost of Gas (11/01/2014 - 04/30/2015)(11/01/15 - 04/30/16)	\$ 69,610,368		\$ 62,981,672	
Less: Refunds	-		-	
Plus: Total Working Capital	60,352		52,603	
Plus: Prior Period (Over)/Under Recovery	(4,339,198)		2,690,610	
Subtotal	\$ 65,331,522		\$ 65,724,885	
Bad Debt Percentage	3.47%		4.04%	
Bad Debt Allowance	2,267,004		\$ 2,655,285	
Plus: Bad Debt Reconciliation (Acct 175.52) (Acct 175.54)	<u>720,643</u>		<u>(37,241)</u>	
Total Bad Debt Allowance	<u>2,987,647</u>		<u>2,618,044</u>	
Production and Storage Capacity	<u>1,980,428</u>		<u>1,980,428</u>	
Miscellaneous Overhead				
Miscellaneous Overhead (11/01/2014 - 04/30/2015)(11/01/15 - 04/30/16)	\$ 13,170		\$ 13,170	
Times Summer Winter Sales	85,914		90,536	
Divided by Total Sales	<u>110,150</u>		<u>112,609</u>	
Miscellaneous Overhead	<u>10,272</u>		<u>10,589</u>	
Total Anticipated Indirect Cost of Gas	<u>\$ 5,038,699</u>		<u>\$ 4,661,664</u>	
Total Cost of Gas		\$ 64,465,047		\$ 63,555,880

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David R. Swain
President

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~~Issued in compliance with NHPUC Order No. 25,658 dated April 30, 2014 in Docket DG 14-076.~~

CALCULATION OF FIRM SALES COST OF GAS RATE
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2016 THROUGH APRIL 30, 2017
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2015 THROUGH APRIL 30, 2016
(Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)	(Col-2)	(Col-3)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 59,426,348		\$ 58,894,216	
Projected Prorated Sales (11/01/15 - 04/30/16) (11/01/14 - 04/30/14)	<u>85,749,300</u>		89,920,078	
Direct Cost of Gas Rate		0.6930		\$ 0.6550 per therm
Demand Cost of Gas Rate	\$ 8,946,044	0.1043	\$ 8,469,558	\$ 0.0942
Commodity Cost of Gas Rate	<u>60,664,327</u>	0.7075	54,512,114	\$ 0.6062
Adjustment Cost of Gas Rate	<u>(10,184,020)</u>	<u>(0.1188)</u>	<u>(4,087,455)</u>	<u>\$ (0.0455)</u>
Total Direct Cost of Gas Rate	\$ 12,055,154	0.6930	\$ 12,055,151	\$ 0.6550
Total Anticipated Indirect Cost of Gas	\$ 5,026,252		\$ 4,661,664	
Projected Prorated Sales (11/01/15 - 04/30/16) (11/01/14 - 04/30/14)	<u>85,749,300</u>		89,920,078	
Indirect Cost of Gas		\$ 0.0586		\$ 0.0518 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/15				\$ 0.7068 per Therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/14		\$ 0.7516		

RESIDENTIAL COST OF GAS RATE - 11/01/16	COGwr	\$ 0.7068 /therm
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RESIDENTIAL COST OF GAS RATE - 11/01/2014	COGwr	\$ 0.7516 /therm
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Maximum (COG + 25%) \$ 0.9395 \$ 0.8835

C&I LOW WINTER USE COST OF GAS RATE - 11/01/16	COGwl	\$ 0.7210 /therm
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COM/IND LOW WINTER USE COST OF GAS RATE - 11/01/2014	COGwl	\$ 0.7647 /therm
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Average Demand Cost of Gas Rate Effective 11/01/14 11/01/2015	\$ 0.1043	\$ 0.0942	Maximum (COG + 25%)	\$ 0.9569	\$ 0.9013
Times: Low Winter Use Ratio (Winter)	<u>1.1498</u>	1.1637			
Times: Correction Factor	<u>0.9794</u>	0.9898			
Adjusted Demand Cost of Gas Rate	\$ 0.1174	\$ 0.1085			
Commodity Cost of Gas Rate	\$ 0.7075	\$ 0.6062			
Adjustment Cost of Gas Rate	<u>(0.1188)</u>	(0.0455)			
Indirect Cost of Gas Rate	<u>0.0586</u>	0.0518			
Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 0.7647	\$ 0.7210			

C&I HIGH WINTER USE COST OF GAS RATE - 11/01/16	COGwh	\$ 0.7026 /therm
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COM/IND HIGH WINTER USE COST OF GAS RATE - 11/01/2014	COGsh	\$ 0.7454 /therm
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Average Demand Cost of Gas Rate Effective 11/01/14 11/01/2015	\$ 0.1043	\$ 0.0942	Maximum (COG + 25%)	\$ 0.9348	\$ 0.8783
Times: High Winter Use Ratio (Winter)	<u>0.9607</u>	0.9667			
Times: Correction Factor	<u>0.9794</u>	0.9898			
Adjusted Demand Cost of Gas Rate	\$ 0.0981	\$ 0.0901			
Commodity Cost of Gas Rate	\$ 0.7075	\$ 0.6062	Minimum		
Adjustment Cost of Gas Rate	<u>(0.1188)</u>	(0.0455)	Maximum		
Indirect Cost of Gas Rate	<u>0.0586</u>	0.0518			
Adjusted C&I High Winter Use Cost of Gas Rate	\$ 0.7454	\$ 0.7026			

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Issued by: _____
David R. Swain

Effective: ~~July 1, 2015~~ November 1, 2016

Title: President

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Issued in compliance with NHPUC Order No. 25,833 dated October 30, 2015 in Docket DG 15-353.

II. RATE SCHEDULES
CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2016 THROUGH APRIL 30, 2017
PERIOD COVERED: ~~WINTER PERIOD, NOVEMBER 1, 2015 THROUGH APRIL 30, 2016~~
(Refer to Text in Section 17(A) Fixed Price Option Program)

(Col 1)	(Col 2)	(Col 3)	(Col 2)	(Col 3)
Total Anticipated Direct Cost of Gas	\$ 59,426,348		\$ 58,894,216	
Projected Prorated Sales (11/01/2014 - 4/30/2015) (11/01/2015 - 4/30/2016)	85,749,300		89,920,078	
Direct Cost of Gas Rate		\$ 0.6930		\$ 0.6550 per therm
Demand Cost of Gas Rate	\$ 8,946,041	\$ 0.1043	\$ 8,469,558	\$ 0.0942
Commodity Cost of Gas Rate	60,664,327	\$ 0.7075	\$ 54,512,114	\$ 0.6062
Adjustment Cost of Gas Rate	(10,184,020)	\$ (0.1188)	\$ (4,087,455)	\$ (0.0455)
Total Direct Cost of Gas Rate	\$ 69,426,348	\$ 0.6930	\$ 58,894,216	\$ 0.6550
Total Anticipated Indirect Cost of Gas	\$ 5,026,252		\$ 4,661,664	
Projected Prorated Sales (11/01/2014 - 4/30/2015) (11/01/2015 - 4/30/2016)	85,749,300		89,920,078	
Indirect Cost of Gas		\$ 0.0586		\$ 0.0518 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE NOVEMBER 1, 2015-2014		\$ 0.7516		\$ 0.7068
FPO Risk Premium		\$ 0.0200		\$ 0.0200
TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE NOVEMBER 1, 2015-2014		\$ 0.7716		\$ 0.7268
RESIDENTIAL COST OF GAS RATE - 11/01/16			COGwr	\$ 0.7268 /therm
RESIDENTIAL COST OF GAS RATE - 11/01/2014	-	COGwr	\$ 0.7716 /therm	

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~~Issued in compliance with NHPUC Order No. 25,591 dated October 31, 2013 in Docket DG 13-251.~~

II. RATE SCHEDULES

Calculation of Firm Transportation Cost of Gas Rate
 PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2016 THROUGH APRIL 30, 2017
 PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2015 THROUGH APRIL 30, 2016
 (Refer to text in Section 16(Q) Firm Transportation Cost of Gas Clause)

(Col 1)	(Col 2)	(Col 3)	(Col 4)	(Col 2)	(Col 3)	(Col 4)
ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES:						
PROPANE	\$ 1,176,481			\$ 283,609		
LNG	<u>\$ 2,370,996</u>			<u>1,513,890</u>		
TOTAL ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES	<u>3,547,477</u>			1,797,499		
ESTIMATED PERCENTAGE USED FOR PRESSURE SUPPORT PURPOSES	9.9%			9.9%		
ESTIMATED COST OF LIQUIDS USED FOR PRESSURE SUPPORT PURPOSES	<u>\$ 351,200</u>			<u>\$ 177,952</u>		
PROJECTED FIRM THROUGHPUT (THERMS):						
FIRM SALES	85,913,727	64.0%		90,536,024		64.4%
FIRM TRANSPORTATION SUBJECT TO FTG	<u>48,417,049</u>	<u>36.0%</u>		<u>50,086,696</u>		<u>35.6%</u>
TOTAL FIRM THROUGHPUT SUBJECT TO COST OF GAS CHARGE	434,330,777	100.0%		140,622,721		100.0%
TRANSPORTATION SHARE OF SUPPLEMENTAL GAS SUPPLIES	36.0%		351,200 = \$ 126,584		35.6% x \$ 177,952 = \$ 63,383	
PRIOR (OVER) OR UNDER COLLECTION			<u>(162,345)</u>			<u>(33,912)</u>
NET AMOUNT TO COLLECT FROM (RETURNED TO) TRANSPORTATION CUSTOMERS			\$ (35,761)			\$ 29,471
PROJECTED FIRM TRANSPORTATION THROUGHPUT			48,417,049			50,086,696
FIRM TRANSPORTATION COST OF GAS			(\$0.0007)			\$0.0006

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Issued by: David R. Swain
 Title: President

Environmental Surcharge - Manufactured Gas Plants

Manufactured Gas Plants

Required annual increase in rates	\$2,651,933	\$2,893,504
DG 10-17 Base Rate Revision Collections	\$0	\$0
Environmental Subtotal	\$2,651,933	\$2,893,504
Overall Annual Net Increase to Rates	\$2,651,933	\$2,893,504
Estimated weather normalized firm therms billed for the twelve months ended 10/31/16 10/31/15 - sales and transportation	184,393,263	186,909,214 therms
Surcharge per therm	<u>\$0.0144</u>	<u>\$0.0155</u> per therm
<u>Total Environmental Surcharge</u>	\$0.0144	\$0.0155

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Liberty Utilities (Energy North Natural Gas) Corp. d/b/a Liberty Utilities
 Local Distribution Adjustment Charge (LDAC) decrease due to Rate Case Expense and Recoupment
 For LDAC effective November 1, 2016 - December 31, 2016
 For LDAC effective November 1, 2015 - December 31, 2016
 Docket No. DG 14-180

1	Rate Case Expense in Docket No. DG 14-180	\$411,782
2	Recoupment in Docket No. DG 14-180	<u>\$2,990,348</u>
3		\$3,402,130
4		
5	Rate Case Expense Overcollection in Docket No. DG 10-017	(\$129,262)
6		
7	Estimated July 2015 - October 2015 Recoveries	(\$281,992)
8		
9	Estimated November 2015 - December 2016 Remaining Recovery	\$2,990,876
10	Estimated November 2015 - December 2016 Interest	<u>\$50,283</u>
11		
12	Total Remaining Recovery	\$3,041,159
13		
14	Estimated November 2015 - December 2016 Sales (therms)	217,953,914
15		
16	RCE rate per therm November 2015 - December 2016	\$0.0140
1	August 1, 2016 Balance of Acct. 8840-2-0000-10-1930-1745	\$46,132
2	Estimated August 2016 - October 2016 Recovery	(\$292,028)
3	Estimated August 2016 - October 2016 Interest	<u>(\$761)</u>
4		
5	Estimated Balance November 1, 2016	(\$246,658)
6	Estimated November 2016 - December 2016 Interest	<u>(\$791)</u>
7		
8	Estimated Remaining Recovery	(\$247,449)
9		
10	Estimated November 2016 - December 2016 Sales (therms)	34,894,997
11		
12	RCE rate per therm November 2016 - December 2016	(\$0.0071)

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Issued by: _____
 David R. Swain
 President

Local Distribution Adjustment Charge Calculation

			<u>Sales Customers</u>			<u>Transportation Customers</u>
<u>Residential Non Heating Rates - R-1</u>						
Energy Efficiency Charge	\$0.0585		\$0.0402			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)		\$0.0585		\$0.0402		
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0144		0.0155			
Environmental Surcharge (ES)		0.0144		0.0155		
Interruptible Transportation Margin Credit (ITMC)		0.0000		0.0000		
Cost Allowance Adjustment Factor		0.0000		0.0000		
Rate Case Expense Factor (RCEF)		0.0140		(0.0071)		
Residential Low Income Assistance Program (RLIAP)		0.0145		0.0067		
LDAC		\$0.1014		\$0.0553		per therm

<u>Residential Heating Rates - R-3, R-4, R-6, R-7</u>						
Energy Efficiency Charge	\$0.0585		\$0.0402			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)		\$0.0585		\$0.0402		
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0144		0.0155			
Environmental Surcharge (ES)		0.0144		0.0155		
Cost Allowance Adjustment Factor		0.0000		0.0000		
Rate Case Expense Factor (RCEF)		0.0140		(0.0071)		
Residential Low Income Assistance Program (RLIAP)		0.0145		0.0067		
LDAC		\$0.1014		\$0.0553		per therm

<u>Commercial/Industrial Low Annual Use Rates - G-41, G-51</u>						
Energy Efficiency Charge	\$0.0256		\$0.0219			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)		\$0.0256		\$0.0219	\$0.0256	\$0.0219
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0144		0.0155			
Environmental Surcharge (ES)		0.0144		0.0155	0.0144	0.0155
Cost Allowance Adjustment Factor		0.0000		0.0000	0.0000	0.0000
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0140		(0.0071)	0.0140	(0.0071)
Residential Low Income Assistance Program (RLIAP)		0.0145		0.0067	0.0145	0.0067
LDAC		\$0.0685		\$0.0370	\$0.0685	\$0.0370 per therm

<u>Commercial/Industrial Medium Annual Use Rates - G-42, G-52</u>						
Energy Efficiency Charge	\$0.0256		\$0.0219			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)		\$0.0256		\$0.0219	\$0.0256	\$0.0219
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0144		0.0155			
Environmental Surcharge (ES)		0.0144		0.0155	0.0144	0.0155
Cost Allowance Adjustment Factor		0.0000		0.0000	0.0000	0.0000
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0140		(0.0071)	0.0140	(0.0071)
Residential Low Income Assistance Program (RLIAP)		0.0145		0.0067	0.0145	0.0067
LDAC		\$0.0685		\$0.0370	\$0.0685	\$0.0370 per therm

<u>Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54</u>						
Energy Efficiency Charge	\$0.0256		\$0.0219			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)		\$0.0256		\$0.0219	\$0.0256	\$0.0219
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0144		0.0155			
Environmental Surcharge (ES)		0.0144		0.0155	0.0144	0.0155
Cost Allowance Adjustment Factor		0.0000		0.0000	0.0000	0.0000
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0140		(0.0071)	0.0140	(0.0071)
Residential Low Income Assistance Program (RLIAP)		0.0145		0.0067	0.0145	0.0067
LDAC		\$0.0685		\$0.0370	\$0.0685	\$0.0370 per therm

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Title: David R. Swain
President

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Issued in compliance with NHPUC Order No. 25,833 dated October 30, 2015 in Docket DG 15-353.

Local Distribution Adjustment Charge Calculation

			Sales Customers	Transportation Customers	
<u>Residential Non Heating Rates - R-1</u>					
Energy Efficiency Charge	\$0.0402		\$0.0402		
Demand Side Management Charge	0.0000		0.0000		
Conservation Charge (CCx)		\$0.0402		\$0.0402	
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000		
Manufactured Gas Plants	0.0155		0.0155		
Environmental Surcharge (ES)		0.0155		0.0155	
Interruptible Transportation Margin Credit (ITMC)		0.0000		0.0000	
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0000		0.0016	
Rate Case Expense Factor (RCEF)		(0.0074)		0.0000	
Residential Low Income Assistance Program (RLIAP)		0.0067		0.0067	
LDAC		\$0.0553		\$0.0640	per therm

<u>Residential Heating Rates - R-3, R-4, R-6, R-7</u>					
Energy Efficiency Charge	\$0.0402		\$0.0402		
Demand Side Management Charge	0.0000		0.0000		
Conservation Charge (CCx)		\$0.0402		\$0.0402	
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000		
Manufactured Gas Plants	0.0155		0.0155		
Environmental Surcharge (ES)		0.0155		0.0155	
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0000		0.0016	
Rate Case Expense Factor (RCEF)		(0.0074)		0.0000	
Residential Low Income Assistance Program (RLIAP)		0.0067		0.0067	
LDAC		\$0.0553		\$0.0640	per therm

<u>Commercial/Industrial Low Annual Use Rates - G-41, G-51</u>					
Energy Efficiency Charge	\$0.0219		\$0.0219		
Demand Side Management Charge	0.0000		0.0000		
Conservation Charge (CCx)		\$0.0219		\$0.0219	\$0.0219
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000		
Manufactured Gas Plants	0.0155		0.0155		0.0155
Environmental Surcharge (ES)		0.0155		0.0155	0.0155
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0000		0.0009	0.0009
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000
Rate Case Expense Factor (RCEF)		(0.0074)		(0.0074)	0.0000
Residential Low Income Assistance Program (RLIAP)		0.0067		0.0067	0.0067
LDAC		\$0.0370		\$0.0450	\$0.0450 per therm

<u>Commercial/Industrial Medium Annual Use Rates - G-42, G-52</u>					
Energy Efficiency Charge	\$0.0219		\$0.0219		
Demand Side Management Charge	0.0000		0.0000		
Conservation Charge (CCx)		\$0.0219		\$0.0219	\$0.0219
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000		
Manufactured Gas Plants	0.0155		0.0155		0.0155
Environmental Surcharge (ES)		0.0155		0.0155	0.0155
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0000		0.0009	0.0009
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000
Rate Case Expense Factor (RCEF)		(0.0074)		(0.0074)	0.0000
Residential Low Income Assistance Program (RLIAP)		0.0067		0.0067	0.0067
LDAC		\$0.0370		\$0.0450	\$0.0450 per therm

<u>Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54</u>					
Energy Efficiency Charge	\$0.0219		\$0.0219		
Demand Side Management Charge	0.0000		0.0000		
Conservation Charge (CCx)		\$0.0219		\$0.0219	\$0.0219
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000		
Manufactured Gas Plants	0.0155		0.0155		0.0155
Environmental Surcharge (ES)		0.0155		0.0155	0.0155
Energy Efficiency Resource Standard Lost Revenue Mechanism		0.0000		0.0009	0.0009
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000
Rate Case Expense Factor (RCEF)		(0.0074)		(0.0074)	0.0000
Residential Low Income Assistance Program (RLIAP)		0.0067		0.0067	0.0067
LDAC		\$0.0370		\$0.0450	\$0.0450 per therm

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III DELIVERY TERMS AND CONDITIONS

**NHPUC NO. 8 - GAS
LIBERTY UTILITIES**

**Proposed First Revised Second Revised Page 143
Superseding First Revised Page 143**

ATTACHMENT B

Schedule of Administrative Fees and Charges

I.	Supplier Balancing Charge:	\$0.24	\$0.23 per MMBtu of Daily Imbalance Volumes
II.	Capacity Mitigation Fee	15%	15% of the Proceeds from the Marketing of Capacity for Mitigation.
III.	Peaking Demand Charge	\$12.89	11.39
IV.	Company Allowance Calculation (per Schedule 25)		
		477,437,780	152,544,340 Total Sendout - Therms Jul-2015 - Jun-2016
			Total Sendout - Therms Jul-2013 - Jun-2014
		<u>474,430,425</u>	<u>148,757,282</u> Total Throughput - Therms Jul-2015 - Jun-2016
			Total Throughput - Therms Jul-2014 - Jun-2015
		3,007,355	3,787,058 Variance (Sendout - Throughput)
Company Allowance Percentage 2015-16	2014-15	4.7%	2.5% Variance / Total Sendout

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President

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III DELIVERY TERMS AND CONDITIONS

**NHPUC NO. 8 - GAS
LIBERTY UTILITIES**

**Proposed First Revised Second Revised Page 144
Superseding First Revised Page 144**

ATTACHMENT C

CAPACITY ALLOCATORS

Rate Class		Pipeline	Storage	Peaking	Total
G-41	Low Annual /High Winter Use	47.7% 48.3%	20.1% 19.3%	32.2% 32.4%	100.0%
G-51	Low Annual /Low Winter Use	76.6% 75.4%	9.0% 9.2%	14.4% 15.4%	100.0%
G-42	Medium Annual / High Winter	47.7% 48.3%	20.1% 19.3%	32.2% 32.4%	100.0%
G-52	High Annual / Low Winter Use	76.6% 75.4%	9.0% 9.2%	14.4% 15.4%	100.0%
G-43	High Annual / High Winter	47.7% 48.3%	20.1% 19.3%	32.2% 32.4%	100.0%
G-53	High Annual / Load Factor < 90%	76.6% 75.4%	9.0% 9.2%	14.4% 15.4%	100.0%
G-54	High Annual / Load Factor > 90%	76.6% 75.4%	9.0% 9.2%	14.4% 15.4%	100.0%

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