

Tariff Page Changes

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II RATE SCHEDULES
FIRM RATE SCHEDULES

Rates effective November 1, 2018 - April 30, 2019
Winter Period

Rates Effective September 1, 2018 - October 31, 2018
Summer Period

	<u>Delivery Charge</u>	<u>Cost of Gas Rate</u> <u>Page 89</u>	<u>LDAC</u> <u>Page 97</u>	<u>Total Rate</u>	<u>Delivery Charge</u>	<u>Cost of Gas Rate</u> <u>Page 89</u>	<u>LDAC</u> <u>Page 97</u>	<u>Total Rate</u>
Residential Non Heating - R-1								
Customer Charge per Mon h per Meter	\$ 15.02			\$ 15.02	\$ 15.02			\$ 15.02
All Therms	\$ 0.3938	\$ 0.7411	\$ 0.0836	\$ 1.2185	\$ 0.3938	\$ 0.3916	\$ 0.0945	\$ 0.8799
	\$ -0.2234	\$ 0.8056	\$ 0.0856	\$ 1.1443				
Residential Heating - R-3								
Customer Charge per Mon h per Meter	\$ 15.02			\$ 15.02	\$ 15.02			\$ 15.02
Size of the first block	all therms				all therms			
All Therms	\$ 0.5631	\$ 0.7411	\$ 0.0836	\$ 1.3878	\$ 0.5631	\$ 0.3916	\$ 0.0945	\$ 1.0492
	\$ -0.3863	\$ 0.8056	\$ 0.0856	\$ 1.2775				
Residential Heating - R-4								
Customer Charge per Mon h per Meter	\$ 6.00			\$ 6.00	\$ 6.00			\$ 6.00
Size of the first block	all therms				all therms			
All Therms	\$ 0.2252	\$ 0.7411	\$ 0.0836	\$ 1.0499	\$ 0.2252	\$ 0.3916	\$ 0.0945	\$ 0.7113
	\$ -0.1545	\$ 0.8056	\$ 0.0856	\$ 1.0457				
Commercial/Industrial - G-41								
Customer Charge per Mon h per Meter	\$ 56.58			\$ 56.58	\$ 56.58			\$ 56.58
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.4639	\$ 0.7403	\$ 0.0772	\$ 1.2814	\$ 0.4639	\$ 0.3855	\$ 0.0763	\$ 0.9257
	\$ -0.4383	\$ 0.8041	\$ 0.0674	\$ 1.3098				
All therms over the first block per month at	\$ 0.3116	\$ 0.7403	\$ 0.0772	\$ 1.1291	\$ 0.3116	\$ 0.3855	\$ 0.0763	\$ 0.7734
	\$ -0.2944	\$ 0.8041	\$ 0.0674	\$ 1.1659				
Commercial/Industrial - G-42								
Customer Charge per Mon h per Meter	\$ 169.75			\$ 169.75	\$ 169.75			\$ 169.75
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.4219	\$ 0.7403	\$ 0.0772	\$ 1.2394	\$ 0.4219	\$ 0.3855	\$ 0.0763	\$ 0.8837
	\$ -0.3986	\$ 0.8041	\$ 0.0674	\$ 1.2704				
All therms over the first block per month at	\$ 0.2811	\$ 0.7403	\$ 0.0772	\$ 1.0986	\$ 0.2811	\$ 0.3855	\$ 0.0763	\$ 0.7429
	\$ -0.2655	\$ 0.8041	\$ 0.0674	\$ 1.1370				
Commercial/Industrial - G-43								
Customer Charge per Mon h per Meter	\$ 728.47			\$ 728.47	\$ 728.47			\$ 728.47
All therms over the first block per month at	\$ 0.2593	\$ 0.7403	\$ 0.0772	\$ 1.0768	\$ 0.1185	\$ 0.3855	\$ 0.0763	\$ 0.5803
	\$ -0.2449	\$ 0.8041	\$ 0.0674	\$ 1.1164				
Commercial/Industrial - G-51								
Customer Charge per Mon h per Meter	\$ 56.58			\$ 56.58	\$ 56.58			\$ 56.58
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.2796	\$ 0.7456	\$ 0.0772	\$ 1.1024	\$ 0.2796	\$ 0.4124	\$ 0.0763	\$ 0.7683
	\$ -0.2642	\$ 0.8200	\$ 0.0674	\$ 1.1516				
All therms over the first block per month at	\$ 0.1817	\$ 0.7456	\$ 0.0772	\$ 1.0045	\$ 0.1817	\$ 0.4124	\$ 0.0763	\$ 0.6704
	\$ -0.1717	\$ 0.8200	\$ 0.0674	\$ 1.0591				
Commercial/Industrial - G-52								
Customer Charge per Mon h per Meter	\$ 169.75			\$ 169.75	\$ 169.75			\$ 169.75
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.2401	\$ 0.7456	\$ 0.0772	\$ 1.0629	\$ 0.1740	\$ 0.4124	\$ 0.0763	\$ 0.6627
	\$ -0.2268	\$ 0.8200	\$ 0.0674	\$ 1.1142				
All therms over the first block per month at	\$ 0.1600	\$ 0.7456	\$ 0.0772	\$ 0.9828	\$ 0.0989	\$ 0.4124	\$ 0.0763	\$ 0.5876
	\$ -0.1514	\$ 0.8200	\$ 0.0674	\$ 1.0385				
Commercial/Industrial - G-53								
Customer Charge per Mon h per Meter	\$ 749.68			\$ 749.68	\$ 749.68			\$ 749.68
All therms over the first block per month at	\$ 0.1678	\$ 0.7456	\$ 0.0772	\$ 0.9906	\$ 0.0805	\$ 0.4124	\$ 0.0763	\$ 0.5692
	\$ -0.1585	\$ 0.8200	\$ 0.0674	\$ 1.0459				
Commercial/Industrial - G-54								
Customer Charge per Mon h per Meter	\$ 749.68			\$ 749.68	\$ 749.68			\$ 749.68
All therms over the first block per month at	\$ 0.0640	\$ 0.7456	\$ 0.0772	\$ 0.8868	\$ 0.0347	\$ 0.4124	\$ 0.0763	\$ 0.5234
	\$ -0.0605	\$ 0.8200	\$ 0.0674	\$ 0.9479				

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Susan L. Fleck
President

Title:

II RATE SCHEDULES
FIRM RATE SCHEDULES

	Winter Period				Summer Period			
	Delivery Charge	Cost of Gas Rate Page 89	LDAC Page 97	Total Rate	Delivery Charge	Cost of Gas Rate Page 89	LDAC Page 97	Total Rate
Residential Non Heating - R-5								
Customer Charge per Month per Meter	\$ 19.52			\$ 19.52	\$ 19.52			\$ 19.52
All Therms	\$ 0.5119	\$ 0.7411	\$ 0.0836	\$ 1.3366	\$ 0.5119	\$ 0.3916	\$ 0.0945	\$ 0.9980
	\$ -0.2900	\$ -0.8056	\$ -0.0856	\$ -1.1812				
Residential Heating - R-6								
Customer Charge per Month per Meter	\$ 19.52			\$ 19.52	\$ 19.52			\$ 19.52
Size of the first block	100 therms							
Therms in the first block per month at	\$ 0.7320	\$ 0.7411	\$ 0.0836	\$ 1.5567	\$ 0.7320	\$ 0.3916	\$ 0.0945	\$ 1.2181
	\$ -0.5022	\$ -0.8056	\$ -0.0856	\$ -1.3934				
Residential Heating - R-7								
Customer Charge per Month per Meter	\$ 7.81			\$ 7.81	\$ 7.81			\$ 7.81
Size of the first block	100 therms							
Therms in the first block per month at	\$ 0.2928	\$ 0.7411	\$ 0.0836	\$ 1.1175	\$ 0.2928	\$ 0.3916	\$ 0.0945	\$ 0.7789
	\$ -0.2009	\$ -0.8056	\$ -0.0856	\$ -1.0921				
Commercial/Industrial - G-44								
Customer Charge per Month per Meter	\$ 73.56			\$ 73.56	\$ 73.56			\$ 73.56
Size of the first block	100 therms				20 therms			
Therms in the first block per month at	\$ 0.6031	\$ 0.7403	\$ 0.0772	\$ 1.4206	\$ 0.6031	\$ 0.3855	\$ 0.0763	\$ 1.0649
	\$ -0.5698	\$ -0.8041	\$ -0.0674	\$ -1.4413				
All therms over the first block per month at	\$ 0.4051	\$ 0.7403	\$ 0.0772	\$ 1.2226	\$ 0.4051	\$ 0.3855	\$ 0.0763	\$ 0.8669
	\$ -0.3827	\$ -0.8041	\$ -0.0674	\$ -1.2542				
Commercial/Industrial - G-45								
Customer Charge per Month per Meter	\$ 220.68			\$ 220.68	\$ 220.68			\$ 220.68
Size of the first block	1000 therms				400 therms			
Therms in the first block per month at	\$ 0.5485	\$ 0.7403	\$ 0.0772	\$ 1.3660	\$ 0.5485	\$ 0.3855	\$ 0.0763	\$ 1.0103
	\$ -0.5182	\$ -0.8041	\$ -0.0674	\$ -1.3897				
All therms over the first block per month at	\$ 0.3654	\$ 0.7403	\$ 0.0772	\$ 1.1829	\$ 0.3654	\$ 0.3855	\$ 0.0763	\$ 0.8272
	\$ -0.3452	\$ -0.8041	\$ -0.0674	\$ -1.2167				
Commercial/Industrial - G-46								
Customer Charge per Month per Meter	\$ 947.01			\$ 947.01	\$ 947.01			\$ 947.01
All therms over the first block per month at	\$ 0.3370	\$ 0.7403	\$ 0.0772	\$ 1.1545	\$ 0.1540	\$ 0.3855	\$ 0.0763	\$ 0.6158
	\$ -0.3184	\$ -0.8041	\$ -0.0674	\$ -1.1899				
Commercial/Industrial - G-55								
Customer Charge per Month per Meter	\$ 73.56			\$ 73.56	\$ 73.56			\$ 73.56
Size of the first block	100 therms				100 therms			
Therms in the first block per month at	\$ 0.3635	\$ 0.7456	\$ 0.0772	\$ 1.1863	\$ 0.3635	\$ 0.4124	\$ 0.0763	\$ 0.8522
	\$ -0.3434	\$ -0.8200	\$ -0.0674	\$ -1.2308				
All therms over the first block per month at	\$ 0.2363	\$ 0.7456	\$ 0.0772	\$ 1.0591	\$ 0.2363	\$ 0.4124	\$ 0.0763	\$ 0.7250
	\$ -0.2232	\$ -0.8200	\$ -0.0674	\$ -1.1106				
Commercial/Industrial - G-56								
Customer Charge per Month per Meter	\$ 220.68			\$ 220.68	\$ 220.68			\$ 220.68
Size of the first block	1000 therms				1000 therms			
Therms in the first block per month at	\$ 0.3121	\$ 0.7456	\$ 0.0772	\$ 1.1349	\$ 0.2262	\$ 0.4124	\$ 0.0763	\$ 0.7149
	\$ -0.2949	\$ -0.8200	\$ -0.0674	\$ -1.1823				
All therms over the first block per month at	\$ 0.2079	\$ 0.7456	\$ 0.0772	\$ 1.0307	\$ 0.1286	\$ 0.4124	\$ 0.0763	\$ 0.6173
	\$ -0.1964	\$ -0.8200	\$ -0.0674	\$ -1.0838				
Commercial/Industrial - G-57								
Customer Charge per Month per Meter	\$ 974.59			\$ 974.59	\$ 974.59			\$ 974.59
All therms over the first block per month at	\$ 0.2182	\$ 0.7456	\$ 0.0772	\$ 1.0410	\$ 0.1047	\$ 0.4124	\$ 0.0763	\$ 0.5934
	\$ -0.2061	\$ -0.8200	\$ -0.0674	\$ -1.0935				
Commercial/Industrial - G-58								
Customer Charge per Month per Meter	\$ 974.59			\$ 974.59	\$ 974.59			\$ 974.59
All therms over the first block per month at	\$ 0.0832	\$ 0.7456	\$ 0.0772	\$ 0.9060	\$ 0.0448	\$ 0.4124	\$ 0.0763	\$ 0.5335
	\$ -0.0786	\$ -0.8200	\$ -0.0674	\$ -0.9660				

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Issued by:

Susan L. Fleck
President

Title:

II. RATE SCHEDULES
CALCULATION OF FIXED WINTER PERIOD COST OF GAS RATE
~~PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2018 THROUGH APRIL 30, 2019~~
~~PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2017 THROUGH APRIL 30, 2018~~
(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	\$ 52,643,890		\$ 61,003,856	
Projected Prorated Sales (11/01/2017-4/30/2018) (11/01/2018 - 4/30/2019)	84,893,215		86,451,254	
Direct Cost of Gas Rate		\$ 0.6201		\$ 0.7056 per therm
Demand Cost of Gas Rate	\$ 9,975,490	\$ 0.1175	\$ 11,230,946	\$ 0.1299
Commodity Cost of Gas Rate	47,840,693	\$ 0.5635	\$ 49,116,221	\$ 0.5681
Adjustment Cost of Gas Rate	(5,172,293)	\$ (0.0609)	\$ 656,690	\$ 0.0076
Total Direct Cost of Gas Rate	52,643,890	\$ 0.6201	\$ 61,003,856	\$ 0.7056
Total Anticipated Indirect Cost of Gas	\$ 2,071,790		\$ 3,070,244	
Projected Prorated Sales (11/01/2017-4/30/2018) (11/01/2018 - 4/30/2019)	84,893,215		86,451,254	
Indirect Cost of Gas		\$ 0.0244		\$ 0.0355 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE NOVEMBER 1, 2018-2017		\$ 0.6445		\$ 0.7411
Calculation of FPO				
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE		\$ 0.6445		\$ 0.7411
FPO Risk Premium		\$ 0.0200		\$ 0.0200
TOTAL PERIOD FIXED PRICE OPTION COST OF GAS RATE EFFECTIVE (11/01/2017) (11/01/2018)		\$ 0.6645		\$ 0.7611
RESIDENTIAL COST OF GAS RATE (11/01/2017) (11/01/2018)	COGwr	\$ 0.6645 /therm		\$ 0.7611

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Susan L. Fleck
Title: President

CALCULATION OF FIRM SALES COST OF GAS RATE
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2018 THROUGH APRIL 30, 2019
~~PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2017 THROUGH APRIL 30, 2018~~
(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	\$ 52,643,890		\$ 61,003,856	
Projected Prorated Sales (11/01/18 - 04/30/19) (11/01/17 - 04/30/18)	<u>84,893,215</u>		86,451,254	
Direct Cost of Gas Rate		0.6204		\$ 0.7056 per therm
Demand Cost of Gas Rate	\$ 9,975,490	0.1175	\$ 11,230,946	\$ 0.1299
Commodity Cost of Gas Rate	47,840,693	0.5635	49,116,221	\$ 0.5681
Adjustment Cost of Gas Rate	<u>(5,172,293)</u>	<u>(0.0609)</u>	656,690	\$ 0.0076
Total Direct Cost of Gas Rate	\$ 52,643,890	0.6204	\$ 61,003,856	\$ 0.7056
Total Anticipated Indirect Cost of Gas	\$ 2,071,790		\$ 3,070,244	
Projected Prorated Sales (11/01/18 - 04/30/19) (11/01/17 - 04/30/18)	<u>84,893,215</u>		86,451,254	
Indirect Cost of Gas		\$ 0.0244		\$ 0.0355 per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/18				\$ 0.7411 per Therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/17		\$ 0.6445		

RESIDENTIAL COST OF GAS RATE - 11/01/18	COGwr	\$ 0.7411 /therm
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RESIDENTIAL COST OF GAS RATE - 11/01/17	COGwr	\$ 0.8056 /therm
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Maximum (COG + 25%) \$ 0.9264

C&I LOW WINTER USE COST OF GAS RATE - 11/01/18	COGwl	\$ 0.7456 /therm
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C&I LOW WINTER USE COST OF GAS RATE - 11/01/17	COGwl	\$ 0.8200 /therm
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Average Demand Cost of Gas Rate Effective 11/01/17 11/01/2017	\$ 0.1175	\$ 0.1299	Maximum	(COG + 25%)	\$ 0.8200	\$ 0.9320
Times: Low Winter Use Ratio (Winter)	<u>1.0892</u>	1.0335				
Times: Correction Factor	<u>1.0077</u>	1.0011				
Adjusted Demand Cost of Gas Rate	\$ 0.1290	\$ 0.1344				
Commodity Cost of Gas Rate	\$ 0.5635	\$ 0.5681				
Adjustment Cost of Gas Rate	<u>(0.0609)</u>	0.0076				
Indirect Cost of Gas Rate	<u>0.0244</u>	0.0355				
Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 0.6560	\$ 0.7456				

C&I HIGH WINTER USE COST OF GAS RATE - 11/01/17	COGwh	\$ 0.7403 /therm
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C&I HIGH WINTER USE COST OF GAS RATE - 11/01/17	COGwh	\$ 0.8041 /therm
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Average Demand Cost of Gas Rate Effective 11/01/17 11/01/2017	\$ 0.1175	\$ 0.1299	Maximum	(COG + 25%)	\$ 0.8041	\$ 0.9254
Times: High Winter Use Ratio (Winter)	<u>0.9820</u>	0.9930				
Times: Correction Factor	<u>1.0077</u>	1.0011				
Adjusted Demand Cost of Gas Rate	\$ 0.1163	\$ 0.1291				
Commodity Cost of Gas Rate	\$ 0.5635	\$ 0.5681	Minimum			
Adjustment Cost of Gas Rate	<u>(0.0609)</u>	0.0076	Maximum			
Indirect Cost of Gas Rate	<u>0.0244</u>	0.0355				
Adjusted C&I High Winter Use Cost of Gas Rate	\$ 0.6433	\$ 0.7403				

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Anticipated Cost of Gas
PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2018 THROUGH APRIL 30, 2019
~~PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2017 THROUGH APRIL 30, 2018~~
 (REFER TO TEXT ON IN SECTION 16 COST OF GAS CLAUSE)

	(Col-2)	(Col-3)	(Col 2)	(Col 3)
(Col 1)				
ANTICIPATED DIRECT COST OF GAS				
Purchased Gas				
Demand Costs:	\$ 9,099,131		\$ 10,308,483	
Supply Costs:	<u>40,677,774</u>		41,318,346	
Storage Gas				
Demand, Capacity:	<u>876,359</u>		922,462	
Commodity Costs:	<u>4,238,570</u>		5,125,663	
Produced Gas	<u>2,924,348</u>		2,672,211	
Hedged Contract Savings	-		-	
Hedge Underground Storage Contract (Savings)/Loss	<u>-</u>		<u>-</u>	
Unadjusted Anticipated Cost of Gas		<u>\$ 57,816,182</u>		<u>\$ 60,347,166</u>
Adjustments				
Prior Period (Over)/Under Recovery (as of Nov 1, 2016 Nov 1, 2017)	\$ 1,714,057		\$ 2,599,354	
Interest	<u>(112,910)</u>		63,196	
Prior Period Adjustments	<u>-</u>		351,017	
Broker Revenues	<u>(4,580,575)</u>		(497,759)	
Refunds from Suppliers	<u>-</u>		-	
Fuel Financing	<u>-</u>		-	
Transportation CGA Revenues	<u>(138,320)</u>		(26,381)	
Interruptible Sales Margin	<u>-</u>		-	
Capacity Release and Off System Sales Margin	<u>(2,099,545)</u>		(1,877,737)	
Hedging Costs	<u>-</u>		-	
Fixed Price Option Administrative Costs	<u>45,000</u>		45,000	
Total Adjustments		<u>(5,172,293)</u>		<u>656,690</u>
Total Anticipated Direct Cost of Gas		<u>\$ 52,643,889</u>		<u>\$ 61,003,856</u>
Anticipated Indirect Cost of Gas				
Working Capital				
Total anticipated Direct Cost of Gas (11/01/2016 - 04/30/2017)(11/01/17 - 04/30/18)	\$ 57,816,182		\$ 60,347,166	
Working Capital Rate	0.0391		0.0391	
Prime Rate	4.25%		5.00%	
Working Capital Percentage	<u>0.166%</u>		<u>0.196%</u>	
Working Capital	96,086		\$ 117,991	
Plus: Working Capital Reconciliation (Acct 142-29) (Acct 175.52)	<u>(24,267)</u>		<u>4,305</u>	
Total Working Capital Allowance		<u>\$ 71,819</u>		<u>\$ 122,296</u>
Bad Debt				
Total anticipated Direct Cost of Gas (11/01/2016 - 04/30/2017)(11/01/17 - 04/30/18)	\$ 57,816,182		\$ 60,347,166	
Less: Refunds	-		-	
Plus: Total Working Capital	<u>71,819</u>		122,296	
Plus: Prior Period (Over)/Under Recovery	<u>1,714,057</u>		2,599,354	
Subtotal	<u>\$ 59,602,058</u>		<u>\$ 63,068,817</u>	
Bad Debt Percentage	<u>1.11%</u>		<u>1.75%</u>	
Bad Debt Allowance	<u>661,583</u>		\$ 1,101,167	
Plus: Bad Debt Reconciliation (Acct 175-52)-(Acct 175.54)	<u>(652,777)</u>		<u>(144,328)</u>	
Total Bad Debt Allowance		<u>8,806</u>		956,839
Production and Storage Capacity		<u>1,980,428</u>		1,980,428
Miscellaneous Overhead (11/01/2016 - 04/30/2017)(11/01/17 - 04/30/18)	\$ 13,170		\$ 13,170	
Times Summer Winter Sales	<u>85,411</u>		86,629	
Divided by Total Sales	<u>104,762</u>		<u>106,815</u>	
Miscellaneous Overhead	<u>10,737</u>		<u>10,681</u>	
Total Anticipated Indirect Cost of Gas		<u>\$ 2,071,790</u>		<u>\$ 3,070,244</u>
Total Cost of Gas		<u>\$ 54,715,680</u>		<u>\$ 64,074,101</u>

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II. RATE SCHEDULES

Calculation of Firm Transportation Cost of Gas Rate

~~PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2017 THROUGH APRIL 30, 2018~~
PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2018 THROUGH APRIL 30, 2019

~~PERIOD COVERED WINTER PERIOD, NOVEMBER 1, 2017 THROUGH APRIL 30, 2018~~

(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	<u>\$ -2,145,938</u>			\$ 1,617,071		
LNG	<u>\$ -778,410</u>			1,055,140		
TOTAL ANTICIPATED COST OF SUPPLEMENTAL GAS SUPPLIES	<u>-2,924,348</u>			2,672,211		
ESTIMATED PERCENTAGE USED FOR PRESSURE SUPPORT PURPOSES	9.9%			8.7%		
ESTIMATED COST OF LIQUIDS USED FOR PRESSURE SUPPORT PURPOSES	<u>\$ -289,510</u>			<u>\$ 232,482</u>		
PROJECTED FIRM THROUGHPUT (THERMS):						
FIRM SALES	<u>-85,410,999</u>	64.4%		86,628,921	63.1%	
FIRM TRANSPORTATION SUBJECT TO FTCCG	<u>-51,964,128</u>	35.6%		50,744,418	36.9%	
TOTAL FIRM THROUGHPUT SUBJECT TO COST OF GAS CHARGE	<u>-137,375,127</u>	100.0%		137,373,339	100.0%	
TRANSPORTATION SHARE OF SUPPLEMENTAL GAS SUPPLIES	37.8%	289,510 =	<u>\$ -109,512</u>	36.9% x	\$ 232,482 =	\$ 85,877
PRIOR (OVER) OR UNDER COLLECTION			<u>-28,808</u>			<u>(59,496)</u>
NET AMOUNT TO COLLECT FROM (RETURNED TO) TRANSPORTATION CUSTOMERS			<u>\$ -138,320</u>			\$ 26,381
PROJECTED FIRM TRANSPORTATION THROUGHPUT			<u>-51,964,128</u>			50,744,418
FIRM TRANSPORTATION COST OF GAS			<u>\$0.0027</u>			\$0.0005

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Environmental Surcharge - Manufactured Gas Plants

Manufactured Gas Plants

Required annual increase in rates	\$2,970,202	\$2,970,867
DG 10-17 Base Rate Revision Collections	\$0	\$0
Environmental Subtotal	\$2,970,202	\$2,970,867
Overall Annual Net Increase to Rates	\$2,970,202	\$2,970,867
Estimated weather normalized firm therms billed for the twelve months ended 10/31/18 10/31/17 - sales and transportation	182,370,287	184,654,874 therms
Surcharge per therm	\$0.0163	<u>\$0.0161</u> per therm
<u>Total Environmental Surcharge</u>	\$0.0163	\$0.0161

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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, 2017 - October 31, 2018
 For LDAC effective November 1, 2016 – December 31, 2017

1	Rate Case Expense in Docket No. DG 14-180	\$39,486
2	Recoupment in Docket No. DG 14-180	\$1,167,759
3		\$1,207,245
4		
5	Estimated November 2017 – October 2018 Interest	\$21,681
6		
7	Total Remaining Recovery	\$1,228,926
8		
9	Estimated November 2017 – October 2018 Sales (therms)	\$196,892,274
10		
11	RCE rate per therm November 2017 – October 2018	\$0.0062
1	Rate Case Expense Remaining from Docket No. DG 14-180	\$51,485
2	Rate Case Expense Through June 2018 in Docket No. DG 17-048	\$578,477
3	Rate Case Expense for Docket No. DG 17-048 Currently Approved for \$530,000	(\$48,477)
4	Remaining Recoupment	<u>\$1,633,854</u>
5	July 1, 2018 Balance	\$2,215,339
6	Minus Estimated Recoveries from July 2018 through October 2018	<u>(\$312,077)</u>
7	Total Estimated Remaining Recovery As Of November 1, 2018	\$1,903,262
8	Estimated November 2018 - October 2019 Interest	<u>\$36,303</u>
9	Total Remaining Recovery	\$1,939,566
10	Estimated November 2018 - October 2019 Sales (therms)	184,654,874
11	RCE & Recoupment rate per therm November 2018 - October 2019	\$0.0105

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Local Delivery Adjustment Clause Calculation

			Sales Customers			Transportation Customers
Residential Non Heating Rates - R-1						
Energy Efficiency Charge	\$0.0516		\$0.0450			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)	0.0000	\$0.0516		\$0.0450		
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0163		0.0161			
Environmental Surcharge (ES)		0.0163		0.0161		
Interruptible Transportation Margin Credit (ITMC)				0.0000		
Cost Allowance Adjustment Factor		0.0019		0.0003		
Rate Case Expense Factor (RCEF)		0.0062		0.0092		
Residential Low Income Assistance Program (RLIAP)		0.0096		0.0130		
LDAC		\$0.0856		\$0.0836		per therm

Residential Heating Rates - R-3, R-4, R-6, R-7						
Energy Efficiency Charge	\$0.0516		\$0.0450			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)	0.0000	\$0.0516		\$0.0450		
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0163		0.0161			
Environmental Surcharge (ES)		0.0163		0.0161		
Cost Allowance Adjustment Factor		0.0019		0.0003		
Rate Case Expense Factor (RCEF)		0.0062		0.0092		
Residential Low Income Assistance Program (RLIAP)		0.0096		0.0130		
LDAC		\$0.0856		\$0.0836		per therm

Commercial/Industrial Low Annual Use Rates - G-41, G-51, G-44, G-55						
Energy Efficiency Charge	\$0.0332		\$0.0387			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)	0.0000	\$0.0332		\$0.0387	\$0.0332	\$0.0387
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0163		0.0161			
Environmental Surcharge (ES)		0.0163		0.0161	0.0163	0.0161
Cost Allowance Adjustment Factor		0.0021		0.0001	0.0021	0.0001
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0062		0.0092	0.0062	0.0092
Residential Low Income Assistance Program (RLIAP)		0.0096		0.0130	0.0096	0.0130
LDAC		\$0.0674		\$0.0772	\$0.0674	\$0.0772 per therm

Commercial/Industrial Medium Annual Use Rates - G-42, G-52, G-45, G-56						
Energy Efficiency Charge	\$0.0332		\$0.0387			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)	0.0000	\$0.0332		\$0.0387	\$0.0332	\$0.0387
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0163		0.0161			
Environmental Surcharge (ES)		0.0163		0.0161	0.0163	0.0161
Cost Allowance Adjustment Factor		0.0021		0.0001	0.0021	0.0001
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0062		0.0092	0.0062	0.0092
Residential Low Income Assistance Program (RLIAP)		0.0096		0.0130	0.0096	0.0130
LDAC		\$0.0674		\$0.0772	\$0.0674	\$0.0772 per therm

Commercial/Industrial Large Annual Use Rates - G-43, G-53, G-54, G-46, G-56, G-57, G-58						
Energy Efficiency Charge	\$0.0332		\$0.0387			
Demand Side Management Charge	0.0000		0.0000			
Conservation Charge (CCx)	0.0000	\$0.0332		\$0.0387	\$0.0332	\$0.0387
Relief Holder and pond at Gas Street, Concord, NH	0.0000		0.0000			
Manufactured Gas Plants	0.0163		0.0161			
Environmental Surcharge (ES)		0.0163		0.0161	0.0163	0.0161
Cost Allowance Adjustment Factor		0.0021		0.0001	0.0021	0.0001
Gas Restructuring Expense Factor (GREF)		0.0000		0.0000	0.0000	0.0000
Rate Case Expense Factor (RCEF)		0.0062		0.0092	0.0062	0.0092
Residential Low Income Assistance Program (RLIAP)		0.0096		0.0130	0.0096	0.0130
LDAC		\$0.0674		\$0.0772	\$0.0674	\$0.0772 per therm

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III DELIVERY TERMS AND CONDITIONS

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ATTACHMENT B

Schedule of Administrative Fees and Charges

I.	Supplier Balancing Charge:	\$0.20	\$0.19 per MMBtu of Daily Imbalance Volumes	
II.	Capacity Mitigation Fee	+5%	15% of the Proceeds from the Marketing of Capacity for Mitigation.	
III.	Peaking Demand Charge	\$20.06	20.41	
IV.	Company Allowance Calculation (per Schedule 25)			
		-164,344,430	173,718,990	Total Sendout - Therms Jul-2018 - Jun-2019
		-160,948,361	<u>170,585,367</u>	Total Sendout - Therms Jul-2017 - Jun-2018
				Total Throughput - Therms Jul-2018 - Jun-2019
				Total Throughput - Therms Jul-2017 - Jun-2018
		-3,396,069	3,133,623	Variance (Sendout - Throughput)
Company Allowance Percentage 2017-18	2015-16	2.1%	1.8%	Variance / Total Sendout

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III DELIVERY TERMS AND CONDITIONS

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ATTACHMENT C

CAPACITY ALLOCATORS

Rate Class		Pipeline	Storage	Peaking	Total
G-41	Low Annual /High Winter Use	48.3% 47.2%	19.3% 17.5%	32.4% 35.3%	100.0%
G-51	Low Annual /Low Winter Use	75.4% 59.0%	9.2% 13.6%	15.4% 27.4%	100.0%
G-42	Medium Annual / High Winter	48.3% 47.2%	19.3% 17.5%	32.4% 35.3%	100.0%
G-52	High Annual / Low Winter Use	75.4% 59.0%	9.2% 13.6%	15.4% 27.4%	100.0%
G-43	High Annual / High Winter	48.3% 47.2%	19.3% 17.5%	32.4% 35.3%	100.0%
G-53	High Annual / Load Factor < 90%	75.4% 59.0%	9.2% 13.6%	15.4% 27.4%	100.0%
G-54	High Annual / Load Factor > 90%	75.4% 59.0%	9.2% 13.6%	15.4% 27.4%	100.0%

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