



DG 23-067  
Energy North Rate Design Model  
Master Inputs

Inputs												Source	
Customer Charge	Lookup Code	R-1	R-3	R-4	G-41	G-42	G-43	G-51	G-52	G-53	G-54		
Winter		See "RATES 2_WP Rate Eff Aug 1" Tab											
Headblock rate		See "RATES 2_WP Rate Eff Aug 1" Tab											
Tailblock rate													
Block output	Size-Winter				100	1,000		100	1,000			Company Tariffs	
LDAC-GAP (Excl Keen)	LDAC-GAP (Excl Keen)-Winter	\$0.1113	\$0.1113	\$0.1113	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	Company Tariffs	
COG (Excl Keen)	COG (Excl Keen)-Winter	\$0.1326	\$0.1326	\$0.0729	\$0.1327	\$0.1327	\$0.1327	\$0.1327	\$0.1322	\$0.1322	\$0.1322	Company Tariffs	
Summer		See "RATES 2_WP Rate Eff Aug 1" Tab											
Headblock rate													
Tailblock rate													
Block output	Size-Summer				20	400		100	1,000			Company Tariffs	
LDAC-GAP (Excl Keen)	LDAC-GAP (Excl Keen)-Summer	\$0.1180	\$0.1180	\$0.1180	\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0957	Company Tariffs	
COG (Excl Keen)	COG (Excl Keen)-Summer	\$1.2071	\$1.2071	\$1.2071	\$1.2074	\$1.2074	\$1.2074	\$1.2068	\$1.2068	\$1.2068	\$1.2068	Company Tariffs	

**COG Filing Information**

## FCOS/Revenue Requirement

Discounts and Multipliers	
MEP multiplier	30%
GAP discount	45%

## MCOS

	R-1/R-5	R-3/R-4/R-6/R-7	Q-1/Q-4/Q-4	Q-2/Q-5	Q-3/Q-6	Q-5/Q-10	Q-5/Q-56	Q-5/Q-57	Q-5/Q-58	Total	Residential	C&I	
Total Customer Marginal Costs	\$2,545,300	\$57,907,438	\$8,262,487	\$2,019,960	\$114,097	\$1,012,894	\$565,576	\$60,769	\$47,081	\$72,526,684	\$60,352,300	\$12,174,385	MCOS Study
Total Capacity-Related Marginal Costs	\$408,332	\$47,030,012	\$19,435,660	\$24,846,756	\$7,310,646	\$1,961,121	\$4,373,066	\$6,066,913	\$4,991,500	\$116,424,005	\$47,438,344	\$68,985,661	MCOS Study
Check		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	R-1/R-5	R-3/R-4/R-6/R-7	Q-1/Q-4/Q-4	Q-2/Q-5	Q-3/Q-6	Q-5/Q-10	Q-5/Q-56	Q-5/Q-57	Q-5/Q-58	Total	Residential	C&I	
Total Marginal Costs	\$2,953,633	\$104,937,450	\$27,698,147	\$5,866,716	\$7,424,743	\$3,084,115	\$5,438,642	\$6,127,682	\$5,038,580	\$188,940,689	\$107,791,083	\$81,158,607	MCOS Study
Class %	1.51%	55.54%	14.66%	14.22%	3.93%	1.62%	2.61%	3.24%	2.67%	100.00%	57%	43%	
Customer %	85.7%	59.2%	29.8%	7.5%	1.5%	36.0%	11.5%	3.4%	0.9%	100.0%	56.0%	15.0%	

### Rate Design Options

Use drop-downs in the "RD Option Input and Results" tab

### RATE CHANGE RESULTS

[illegible]

**% CHANGE IN DELIVERY REVENUES**

[illegible]**PROPOSED RATES**[illegible]

**CURRENT DELIVERY RATES**

[illegible]

## COG and LDAC

[illegible][illegible]

### RATE DESIGN - TEMPORARY RATES

### DISTRIBUTION REVENUE REQUIREMENT RECONCILIATION

Item	Distribution Revenue			SOURCE	
	LDAC	Total Revenue		Distribution Revenue	LDAC
Norm. TY Revenue @ Current Rat	\$82,976,715	\$1,287,355	\$84,264,070	=RATES/2 WP TY C&W Norm Revs	=LDAC TY Rev Current Rates/\$D\$5
Temporary Rate Increase	\$8,573,227	\$133,031	\$8,706,258	=E8-D8	=E22*(D7)
Total Revenue Requirement for Te	\$91,549,942	\$1,420,385	\$92,970,328	=SUM(C7:C8)	=SUM(D7:D8)
Revenue Check From Rate Design	\$91,545,259	\$1,420,385	\$92,965,644	=E285	=E203
Difference	\$4,683	\$0	\$4,683	=C9-C10	=D9-D10

### CLASS TARGET REVENUE DEVELOPMENT FOR TEMPORARY RATES

Total Dist. Revenue (Incl L	\$84,264,070	
Temporary Rate Increase	<u>\$8,706,258</u>	Step 1
Total TY Revenue for Tem	\$92,970,328	
System Average Increase	10.332%	
Customer Charge Rev. %	<u>10.332%</u>	Step 2
Proposed Customer Char	\$24,208,145	
Proposed volumetric Char	\$85,762,182	
volumetric % increase	10.332%	

Customer Charge Revenue						Volumetric Revenue						Total Revenue					
Step 3						Step 4											
Class Revenue	Customer Charge Revenue @ Current Rates (Undiscounted)	Increase to Customer Revenue (equal % incr.)	Manual Adjustments to Customer Charge Revenue (if needed)	Customer Charge Revenue @ Proposed Temp Rates	% Change in Customer Revenues	Volumetric Revenue @ Current Rates (Undiscounted)	Increase to Volumetric Charge Revenue (equal % incr)	Manual Adjustments to Volumetric Charge (if needed)	Volumetric Charge Revenue @ Proposed Rates	% Change in Volumetric Revenues	Proposed Total Revenue From Rate Incr.	Proposed Current Revenue on Temp. Rates	Class Revenue @ Current Rates (Undisc. & Full MCOS)	Target Revenue Rates Full MCOS			
Residential																	
R-1/R-5	\$486,982	\$50,316		\$537,297	10.33%	\$346,075	\$35,750		\$381,832	10.33%	\$199,130	0.99%	0.99%	1.51%			
R-3/R-4/R6/R-7	\$11,390,107	\$1,176,839		#####	10.33%	\$35,041,719	\$3,620,549		\$38,662,268	10.33%	#####	55.10%	55.10%	55.54%			
Total Residential	\$11,877,089	\$1,227,154	\$0	#####	10.33%	\$35,387,794	\$3,656,306	\$0	\$39,044,100	10.33%	#####	56.09%	56.09%	57.0%			
C&I																	
G-41/G-44	\$5,333,642	\$551,078		\$5,884,720	10.33%	\$8,692,539	\$898,123		\$9,590,661	10.33%	#####	16.65%	16.65%	14.66%			
G-42/G-45	\$2,434,859	\$251,572		\$2,686,432	10.33%	\$11,247,731	\$1,162,128		\$12,409,859	10.33%	#####	16.24%	16.24%	14.22%			
G-43/G-46	\$454,221	\$46,931		\$501,152	10.33%	\$2,920,790	\$301,779		\$3,222,570	10.33%	\$3,723,721	4.01%	4.01%	3.93%			
G-51/G-55	\$710,868	\$73,448		\$784,316	10.33%	\$734,331	\$75,872		\$810,203	10.33%	\$1,594,518	1.72%	1.72%	1.62%			
G-52/G-56	\$678,354	\$70,088		\$748,443	10.33%	\$1,412,625	\$145,954		\$1,558,579	10.33%	\$2,307,022	2.48%	2.48%	2.61%			
G-53/G-57	\$248,842	\$25,711		\$274,552	10.33%	\$1,242,773	\$128,405		\$1,371,178	10.33%	\$1,645,730	1.77%	1.77%	3.24%			
G-54/G-58	\$203,285	\$21,004		\$224,289	10.33%	\$684,327	\$70,705		\$755,033	10.33%	\$979,321	1.05%	1.05%	2.67%			
Total C&I	\$10,064,071	\$1,039,831	\$0	#####	10.33%	\$26,935,116	\$2,782,966	\$0	\$29,718,082	10.33%	#####	43.91%	43.91%	43.0%			
Total Revenue	\$21,941,160	\$2,266,985	\$0	#####	10.33%	\$62,322,910	\$6,439,273	\$0	\$68,762,182	10.33%	#####	#####	#####	100.0%			
Check	\$21,941,160					\$62,322,910			\$68,762,182		#####						

### DEVELOP RATES USING RATE DIFFERENTIALS AND TARGET REVENUE

Adj Current Rate Differentials	2
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Current Rate Differentials		Z		Rate Differentials - Undiscounted R4/R7																				
		Total System	Local Resident	Total C&I	R-1/R-5 R-1	R-1/R-5 R-5 MEP	R-3/R-4/R6/R-7 R-3	R-4/R6/R-7 R-6 MEP	R-3/R-4/R6/R-7 R-4	R-4/R6/R-7 R-7 MEP	G-41/G-44 G-41	G-41/G-44 G-44 MEP	G-42/G-43-G-42/G-43 G-42 MEP	G-43/G-44-G-43/G-44 G-43 MEP	G-51/G-53-G-51/G-53 G-51 MEP	G-52/G-53-G-52/G-53 G-52 MEP	G-53/G-53-G-53/G-53 G-53 MEP	G-54/G-53-G-54/G-53 G-54 MEP						
Customer-Summer	Summer				1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30				
Customer-Winter	Winter				1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30	1.00	1.30				
Energy-Summer-HB	Summer										1.00	1.30	1.00	1.30		1.00	1.30	0.74	0.96					
Energy-Summer-TB	Summer										0.69	0.89	0.68	0.89		0.67	0.87	0.44	0.57					
Energy-Summer-All Block	Summer				1.00	1.30	1.00	1.30	1.00	1.30				0.49	0.63			0.51	0.66	0.57	0.74			
Energy-Winter-HB	Winter										1.00	1.30	1.00	1.30		1.00	1.30	1.00	1.30					
Energy-Winter-TB	Winter										0.69	0.89	0.68	0.89		0.67	0.87	0.68	0.89					
Energy-Winter-All Block	Winter				1.00	1.30	1.00	1.30	1.00	1.30				1.00	1.30			1.00	1.30	1.00	1.30			
Billing Determinants (Cal. and Wthr. Normalized)																								
Customer - Summer	Summer	298,373	259,321	39,052	10,361	231	229,524	996	18,191	18	28,941	49	4,455	25	196	0	3,932	12	1,249	3	104	0	83	3
Customer - Winter	Winter	589,655	511,195	78,460	20,393	453	450,699	1,958	37,653	40	58,575	95	8,798	48	385	0	7,700	24	2,461	6	205	0	158	6
Total Customer Bills		888,028	770,516	117,512	30,754	684	680,223	2,954	55,844	59	87,517	144	13,253	73	581	0	11,631	36	3,710	9	309	0	240	9
Energy-Summer-HB	Summer	2,702,955		2,702,955							324,702	361	7,466				656		2,397					
Energy-Summer-TB	Summer	3,454,433		3,454,433							984,879	1,135	4,653				644		0					
Energy-Summer-All Block	Summer	12,256,602	4,807,802	7,448,800	117,041	2,365	4,316,787	16,634	354,730	244														
Energy-Winter-HB	Winter	15,934,875		15,934,875																				
Energy-Winter-TB	Winter	43,950,925		43,950,925							6,773		47,350				1,285		5,961					
Energy-Winter-All Block	Winter	76,176,467	52,696,227	23,480,240	600,928	22,314	48,195,402	180,394	3,694,601	2,588		22,880				3,454		1,817						
Total Energy Therms		154,476,258	57,504,029	96,972,229	717,968	24,679	52,512,190	197,029	4,049,331	2,833		31,150				6,038		10,175						
		154,476,258																						
Proposed Rates (Undiscounted R4/R7, Unrounded)																								
CUSTOMER CHARGE RATE																								

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	R-1/R-5 R-1 MEP	R-3/R-4/R6/R-7 R-3 MEP	R-3/R-4/R6/R-7 R-3 MEP	R-3/R-4/R6/R-7 R-3 MEP	R-3/R-4/R6/R-7 R-3 MEP	R-3/R-4/R6/R-7 R-3 MEP	R-3/R-4/R6/R-7 R-3 MEP	G-41/G-44 G-41 MEP	G-41/G-44 G-41 MEP	G-42/G-43/G-42/G-45 G-42 MEP	G-43/G-43/G-43/G-45 G-43 MEP	G-51/G-53/G-51/G-55 G-51 MEP	G-52/G-53/G-52/G-56 G-52 MEP	G-53/G-53/G-53/G-58 G-53 MEP	G-54/G-54/G-54/G-58 G-54 MEP
<b>Proposed Rates (Discounted R4/R7, Rounded)</b>															
<u>CUSTOMER CHARGE RATE</u>															
Customer - Summer      Summer	\$16.98      \$22.07	\$16.98      \$22.07	\$16.98      \$22.07	\$16.98      \$22.07	\$16.98      \$22.07	\$16.98      \$22.07	\$16.98      \$22.07	\$67.10      \$87.23	\$67.10      \$87.23	\$201.27      \$261.65	\$861.88      #####	\$67.16      \$87.31	\$201.09      \$261.42	\$889.01      #####	\$889.74      #####

			Total System	dal Resident	Total C&I	R-1/R-5 R-1	R-1/R-5 R-5 MEP	R-3/R-4/R6/R-7 R-3	R-3/R-4/R6/R-7 R-6 MEP	R-3/R-4/R6/R-7 R-4	R-3/R-4/R6/R-7 R-7 MEP	G-41/G-44 G-41	G-41/G-44 G-44 MEP	G-42/G-43-42/G-43-43/G-43/G-43-43/G-43	G-51/G-55 G-51	G-51/G-55 G-55 MEP	G-52/G-56 G-52	G-52/G-56 G-56 MEP	G-53/G-57 G-53	G-53/G-57 G-57 MEP	G-54/G-58 G-54	G-54/G-58 G-58 MEP					
Customer - Winter	Winter		R4 = 55% x R3, R7 = 1.3x R-4			\$16.98	\$22.07	\$16.98	\$22.07	\$9.34	\$12.14	\$67.10	\$87.23	\$201.27	\$261.65	\$861.88	#####	\$67.16	\$87.31	\$201.09	\$261.42	\$889.01	#####	\$889.74	#####		
ENERGY CHARGE RATE																											
Energy - Summer - HB	Summer											\$0.5437	\$0.7068	\$0.4948	\$0.6432			\$0.3277	\$0.4260	\$0.2086	\$0.2712						
Energy - Summer - TB	Summer											\$0.3740	\$0.4862	\$0.3379	\$0.4393			\$0.2188	\$0.2844	\$0.1249	\$0.1624						
Energy - Summer - All Blo	Summer					\$0.5091	\$0.6618	\$0.6804	\$0.8845	\$0.6804	\$0.8845					\$0.1483	\$0.1928					\$0.1001	\$0.1301	\$0.0426	\$0.0554		
Energy - Winter - HB	Winter											\$0.5437	\$0.7068	\$0.4948	\$0.6432			\$0.3277	\$0.4260	\$0.2825	\$0.3673						
Energy - Winter - TB	Winter											\$0.3740	\$0.4862	\$0.3379	\$0.4393			\$0.2188	\$0.2844	\$0.1930	\$0.2509						
Energy - Winter - All Block	Winter															\$0.3052	\$0.3968					\$0.1975	\$0.2568	\$0.0752	\$0.0978		
Revenue Check (Discounted R4/R7 Rates, Rounded)																											
CUSTOMER CHARGE																											
Customer-Summer	Summer		\$8,115,047	\$4,409,607	\$3,705,441	\$175,927	\$5,101	\$3,897,312	\$21,983			\$308,878	\$406	#####	\$4,282	#####	\$6,446	#####	\$0	#####	\$1,070	#####	\$805	\$92,516	\$0	\$73,482	\$3,676
Customer-Winter	Winter		\$15,803,141	\$8,404,505	\$7,398,636	\$346,268	\$9,993	\$7,652,867	\$43,210			\$351,678	\$489	#####	\$8,253	#####	\$12,629	#####	\$0	#####	\$2,095	#####	\$1,585	#####	\$0	#####	\$6,915
Total Customer Charge Revenues			\$23,918,188	#####	#####	\$522,195	\$15,094	\$11,550,179	\$65,193			\$660,556	\$895	#####	\$12,535	#####	\$19,075	#####	\$0	#####	\$3,165	#####	\$2,390	#####	\$0	#####	\$10,591
ENERGY CHARGE																											
Energy-Summer-HB			\$1,030,085		\$1,030,085							\$176,541	\$255	#####	\$4,802			\$79,588	\$279	#####	\$650						
Energy-Summer-TB			\$993,841		\$993,841							\$368,345	\$552	#####	\$2,044			#####	\$183	\$85,347	\$60						
Energy-Summer-All Block		\$3,254,580	\$3,814,841		\$560,261	\$59,585	\$1,565	\$2,937,142	\$14,713		\$241,359	\$216						#####	\$0			#####	\$0	#####	\$3,450		
Energy-Winter-HB			\$7,550,950		\$7,550,950							#####	\$4,788	#####	\$30,455			#####	\$547	#####	\$2,189						
Energy-Winter-TB			\$14,792,630		#####							#####	\$11,124	#####	\$81,163			#####	\$982	#####	\$456						
Energy-Winter-All Block			\$39,444,723	#####	\$4,788,534	\$305,932	\$14,767	\$32,792,152	\$159,559		\$1,382,520	\$1,259						#####	\$0			#####	\$0	#####	\$14,303		
Total Energy Charge Revenues			\$67,627,071	#####	#####	\$365,518	\$16,332	\$35,729,294	\$174,272		\$1,623,878	\$1,475	#####	\$16,719	#####	#####	#####	\$0	#####	\$1,992	#####	\$3,295	#####	\$0	#####	\$17,754	
Total System Revenues			\$91,545,259	#####	#####	\$887,713	\$31,426	\$47,279,473	\$239,465		\$2,284,434	\$2,370	#####	\$29,254	#####	#####	#####	\$0	#####	\$5,157	#####	\$5,685	#####	\$0	#####	\$28,345	
Revenue (Deficiency) / Excess From Disc. Rates			(\$1,420,385)	#####	\$0	\$0	\$0	\$0	\$0		(\$1,418,955)	(\$1,430)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
TY Calendar Wthr. Normalized Therms			154,476,258																								
LDAC Rate			\$0.0092																								
Revenue (Deficiency) / Excess From Disc. Rates Check																											
CUSTOMER CHARGE RATE																											
Customer - Summer	Summer		\$0	\$0	\$0							\$0	\$0														
Customer - Winter	Winter		(\$288,069)	(\$288,069)	\$0							(\$287,668)	(\$400)														
Total Customer Charge Revenues			(\$288,069)	(\$288,069)	\$0							(\$287,668)	(\$400)														
ENERGY CHARGE RATE																											
Energy - Summer - HB	Summer		\$0		\$0																						
Energy - Summer - TB	Summer		\$0		\$0																						
Energy - Summer - All Blo	Summer	\$0	\$0	\$0							\$0	\$0															
Energy - Winter - HB	Winter		\$0		\$0																						
Energy - Winter - TB	Winter		\$0		\$0																						
Energy - Winter - All Block	Winter		(\$1,132,317)	#####	\$0							(\$1,131,287)	(\$1,030)														
Total Energy Charge Revenues			(\$1,132,317)	#####	\$0							(\$1,131,287)	(\$1,030)														
Total System Revenues for LDAC			(\$1,420,385)	#####	\$0							(\$1,418,955)	(\$1,430)														
LDAC Rate			(\$0.0092)																								
RATE COMPARISON																											
						R-1/R-5 R-1	R-1/R-5 R-5 MEP	R-3/R-4/R6/R-7 R-3	R-3/R-4/R6/R-7 R-6 MEP	R-3/R-4/R6/R-7 R-4	R-3/R-4/R6/R-7 R-7 MEP	G-41/G-44 G-41	G-41/G-44 G-44 MEP	G-42/G-43-42/G-43-43/G-43/G-43-43/G-43	G-51/G-55 G-51	G-51/G-55 G-55 MEP	G-52/G-56 G-52	G-52/G-56 G-56 MEP	G-53/G-57 G-53	G-53/G-57 G-57 MEP	G-54/G-58 G-54	G-54/G-58 G-58 MEP					
Proposed Rates - Discounted R4/R7, Rounded																											
Customer	Summer	Customer-Summer-	\$16.98	\$22.07	\$16.98	\$22.07	\$16.98	\$22.07	\$16.98	\$22.07	\$9.34	\$12.14	\$67.10	\$87.23	\$201.27	\$261.65	\$861.88	#####	\$67.16	\$87.31	\$201.09	\$261.42	\$889.01	#####	\$889.74	#####	
Customer	Winter	Customer-Winter-	\$16.98	\$22.07	\$16.98	\$22.07	\$16.98	\$22.07	\$16.98	\$22.07	\$9.34	\$12.14	\$67.10	\$87.23	\$201.27	\$261.65	\$861.88	#####	\$67.16	\$87.31	\$201.09	\$261.42	\$889.01	#####	\$889.74	#####	
Current																											
Customer	Summer	Customer-Summer-	\$15.39	\$20.01	\$15.39	\$20.01	\$15.39	\$20.01	\$15.39	\$20.01	\$8.47	\$11.01	\$60.81	\$79.06	\$182.42	\$237.14	\$781.17	#####	\$60.87	\$79.13	\$182.26	\$236.94	\$805.75	#####	\$806.42	#####	
Customer	Winter	Customer-Winter-	\$15.39	\$20.01	\$15.39	\$20.01	\$15.39	\$20.01	\$15.39	\$20.01	\$8.47	\$11.01	\$60.81	\$79.06	\$182.42	\$237.14	\$781.17	#####	\$60.87	\$79.13	\$182.26	\$236.94	\$805.75	#####	\$806.42	#####	
% Change in Customer Rate																											
Customer	Summer	Customer-Summer-	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	
Customer	Winter	Customer-Winter-	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	
ENERGY CHARGE																											
Proposed Rates - Discounted R4/R7, Rounded																											
Energy	Summer	HB	Energy-Summer-HB									\$0.5437	\$0.7068	\$0.4948	\$0.6432			\$0.3277	\$0.4260	\$0.2086	\$0.2712						
Energy	Summer	TB	Energy-Summer-TB									\$0.3740	\$0.4862	\$0.3379	\$0.4393			\$0.2188	\$0.2844	\$0.1249	\$0.1624						
Energy	Summer	All	Energy-Summer-All	\$0.5091	\$0.6618	\$0.6804	\$0.8845	\$0.6804	\$0.8845							\$0.1483	\$0.1928					\$0.1001	\$0.1301	\$0.0426	\$0.0554		
Energy	Winter	HB	Energy-Winter-HB									\$0.5437	\$0.7068	\$0.4948	\$0.6432			\$0.3277	\$0.4260	\$0.2825	\$0.3673						
Energy	Winter	TB	Energy-Winter-TB									\$0.3740	\$0.4862	\$0.3379	\$0.4393			\$0.2188	\$0.2844	\$0.1930	\$0.2509						
Energy	Winter	All	Energy-Winter-All	\$0.5091	\$0.6618	\$0.6804	\$0.8845	\$0.3742	\$0.4865							\$0.3052	\$0.3968					\$0.1975	\$0.2568	\$0.0752	\$0.0978		

			Total System	total Resident	Total C&I	R-1/R-5 R-1	R-1/R-5 R-5 MEP	R-3/R-4/R-6/R-7-3/R-4/R-6/R-7 R-3 R-6 MEP	R-4 R-7 MEP	G-41/G-44 G-41 MEP	G-41/G-44 G-44 MEP	G-42/G-43-42/G-43-43/G-43-43 G-42 G-45 MEP	G-43 G-46 MEP	G-51/G-53-51/G-53-52/G-52/G-52 G-51 G-55 MEP	G-52 G-56 MEP	G-53/G-53-53/G-53-53/G-53-53 G-53 G-57 MEP	G-54/G-54/G-54/G-54/G-54 G-54 G-58 MEP							
Current																								
Energy	Summer	HB	Energy-Summer-HB							\$0.4928	\$0.6407	\$0.4485	\$0.5830		\$0.2970	\$0.3861	\$0.1891	\$0.2458						
Energy	Summer	TB	Energy-Summer-TB							\$0.3390	\$0.4406	\$0.3063	\$0.3982		\$0.1983	\$0.2579	\$0.1132	\$0.1472						
Energy	Summer	All	Energy-Summer-All	\$0.4614	\$0.5999	\$0.6167	\$0.8017	\$0.6167	\$0.8017					\$0.1344	\$0.1747		\$0.0907	\$0.1179	\$0.0386	\$0.0502				
Energy	Winter	HB	Energy-Winter-HB							\$0.4928	\$0.6407	\$0.4485	\$0.5830		\$0.2970	\$0.3892	\$0.2560	\$0.3328						
Energy	Winter	TB	Energy-Winter-TB							\$0.3390	\$0.4406	\$0.3063	\$0.3982		\$0.1983	\$0.2579	\$0.1749	\$0.2274						
Energy	Winter	All	Energy-Winter-All	\$0.4614	\$0.5999	\$0.6167	\$0.8017	\$0.3392	\$0.4409					\$0.2766	\$0.3596		\$0.1790	\$0.2327	\$0.0682	\$0.0887				
% Change in Energy Rate																								
Energy	Summer	HB								10.3%	10.3%	10.3%	10.3%		10.3%	10.3%	10.3%	10.3%						
Energy	Summer	TB								10.3%	10.3%	10.3%	10.3%		10.3%	10.3%	10.3%	10.3%						
Energy	Summer	All		10.3%	10.3%	10.3%	10.3%	10.3%	10.3%					10.3%	10.4%		10.4%	10.3%	10.4%	10.4%				
Energy	Winter	HB								10.3%	10.3%	10.3%	10.3%		10.3%	9.5%	10.4%	10.4%						
Energy	Winter	TB								10.3%	10.3%	10.3%	10.3%		10.3%	10.3%	10.3%	10.3%						
Energy	Winter	All		10.3%	10.3%	10.3%	10.3%	10.3%	10.3%					10.3%	10.3%		10.3%	10.4%	10.3%	10.3%				
% Change in Total Revenue																								
Norm TY Revenues @ Current Rates (8/1/23) - Undisc.			Total System	total Resident	Total C&I	R-1/R-5 R-1	R-1/R-5 R-5 MEP	R-3/R-4/R-6/R-7-3/R-4/R-6/R-7 R-3 R-6 MEP	R-4 R-7 MEP	G-41/G-44 G-41 MEP	G-41/G-44 G-44 MEP	G-42/G-43-42/G-43-43/G-43-43 G-42 G-45 MEP	G-43 G-46 MEP	G-51/G-53-51/G-53-52/G-52/G-52 G-51 G-55 MEP	G-52 G-56 MEP	G-53/G-53-53/G-53-53/G-53-53 G-53 G-57 MEP	G-54/G-54/G-54/G-54/G-54 G-54 G-58 MEP							
Norm TY Revenues @ Current Rates (8/1/23) - Disc			\$84,264,070	#####	#####	\$804,568	\$28,490	\$42,854,525	\$217,066	\$3,356,790	\$3,445	#####	\$26,513	#####	#####	\$0	#####	\$4,679	#####	\$5,152	#####	\$0	#####	\$25,698
Proposed Revenues @ Undiscounted, unrounded rates			\$82,976,715	#####	#####	\$804,568	\$28,490	\$42,854,525	\$217,066	\$2,070,731	\$2,148	#####	\$26,513	#####	#####	\$0	#####	\$4,679	#####	\$5,152	#####	\$0	#####	\$25,698
Proposed Revenues @ Undiscounted rates, rounded			\$92,970,328	#####	#####	\$887,701	\$31,429	\$47,282,301	\$239,495	\$3,703,617	\$3,801	#####	\$29,254	#####	#####	\$0	#####	\$5,157	#####	\$5,685	#####	\$0	#####	\$28,346
Proposed Revenues @ Discounted Rates, rounded			\$92,965,644	#####	#####	\$887,713	\$31,426	\$47,279,473	\$239,465	\$3,703,389	\$3,800	#####	\$29,254	#####	#####	\$0	#####	\$5,157	#####	\$5,685	#####	\$0	#####	\$28,345
Revenue Shortfall For LDAC			\$1,420,385	\$1,420,385	\$0	\$0	\$0	\$0	\$0	\$1,418,955	\$1,430	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
Rev. % Increase @ Undiscounted Rates,rounded			10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	n/a	10.3%	10.2%	10.3%	10.3%	10.3%	n/a	10.3%	10.3%	
Rev. % Increase @ Discounted Rates,rounded			10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	10.3%	n/a	10.3%	10.2%	10.3%	10.3%	10.3%	n/a	10.3%	10.3%	

Line  
No

Liberty Utilities (EnergyNorth Natural Gas) Corp.  
Bill Impact Analysis - Cost of Gas Filing Methodology

1 Winter Season (Jan. - Apr., Nov. - Dec.)

2 Residential Non-Heating (R1)

3 PROPOSED	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
4 average Usage (Therms)	25	35	35	33	28	21	177
5							
6							
7 Winter:							
8 Cust. Chg	\$16.98	\$16.98	\$16.98	\$16.98	\$16.98	\$16.98	\$101.88
9 Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10 Tailblock	\$12.68	\$17.77	\$17.77	\$17.00	\$14.19	\$10.56	\$89.96
11 HB Threshold							
12							
13 Summer:							
14 Cust. Chg							
15 Headblock							
16 Tailblock							
17 HB Threshold							
18							
19 Total Base Rate Amount	\$29.66	\$34.75	\$34.75	\$33.98	\$31.17	\$27.54	\$191.84
20							
21 COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
22 COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
23							
24 COG Rate - (Summer)							
25 COG amount - Summer							
26							
27 LDAC	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205
28 LDAC amount	\$3.00	\$4.21	\$4.21	\$4.02	\$3.36	\$2.50	\$21.29
29							
30 Total Bill	\$32.66	\$38.95	\$38.95	\$38.00	\$34.53	\$30.04	\$213.14

Summer Season (May - Oct.)

\*Only May-July shown below

May-24	Jun-24	Jul-24	Summer	Total
13	11	9	34	211
\$16.98	\$16.98	\$16.98	\$50.94	\$152.82
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$6.78	\$5.78	\$4.69	\$17.25	\$107.21
\$23.76	\$22.76	\$21.67	\$68.19	\$260.03
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1272	\$0.1272	\$0.1272	\$0.1272	\$0.1216
\$1.69	\$1.44	\$1.17	\$4.31	\$25.60
\$25.45	\$24.20	\$22.85	\$72.50	\$285.64

31 Winter Season (Jan. - Apr., Nov. - Dec.)

32 Residential Non-Heating (R1)

33 CURRENT	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
34 average Usage (Therms)	25	35	35	33	28	21	177
35							
36							
37 Winter:							
38 Cust. Chg	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34
39 Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
40 Tailblock	\$11.49	\$16.10	\$16.10	\$15.41	\$12.86	\$9.57	\$81.53
41 HB Threshold							
42							
43 Summer:							
44 Cust. Chg							
45 Headblock							
46 Tailblock							
47 HB Threshold							
48							

Summer Season (May - Oct.)

\*Only May-July shown below

May-24	Jun-24	Jul-24	Summer	Total
13	11	9	34	211
\$15.39	\$15.39	\$15.39	\$46.17	\$138.51
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$6.14	\$5.24	\$4.25	\$15.63	\$97.17





101 **Winter Season (Jan. - Apr., Nov. - Dec.)**102 **Residential Heating (R3)**

103 <b>CURRENT</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
104 <b>average Usage (Therms)</b>	80	119	144	137	101	61	642
106 <b>Winter:</b>							
108 Cust. Chg	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.35
109 Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
110 Tailblock	\$49.12	\$73.56	\$88.69	\$84.43	\$62.36	\$37.79	\$395.96
111 HB Threshold							
112 <b>Summer:</b>							
114 Cust. Chg							
115 Headblock							
116 Tailblock							
117 HB Threshold							
118							
119 Total Base Rate Amount	\$64.52	\$88.95	\$104.08	\$99.83	\$77.75	\$53.18	\$488.31
120							
121 COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
122 COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
123							
124 COG Rate - (Summer)							
125 COG amount - Summer							
126							
127 LDAC	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113
128 LDAC amount	\$8.87	\$13.28	\$16.01	\$15.24	\$11.25	\$6.82	\$71.46
129							
130 <b>Total Bill</b>	<b>\$73.38</b>	<b>\$102.23</b>	<b>\$120.09</b>	<b>\$115.06</b>	<b>\$89.01</b>	<b>\$60.00</b>	<b>\$559.77</b>

131

132 **DIFFERENCE:**

133 <b>Total Bill</b>	<b>\$7.39</b>	<b>\$10.28</b>	<b>\$12.07</b>	<b>\$11.57</b>	<b>\$8.96</b>	<b>\$6.05</b>	<b>\$56.33</b>
134 % Change	<b>10.08%</b>	<b>10.06%</b>	<b>10.05%</b>	<b>10.05%</b>	<b>10.07%</b>	<b>10.09%</b>	<b>10.06%</b>
135							
136 <b>Base Rate</b>	\$6.66	\$9.19	\$10.75	\$10.31	\$8.03	\$5.49	\$50.42
137 % Change	10.33%	10.33%	10.33%	10.33%	10.33%	10.32%	10.33%
138							
139 <b>COG &amp; LDAC</b>	\$0.73	\$1.10	\$1.32	\$1.26	\$0.93	\$0.56	\$5.91
140 % Change	8.27%	8.27%	8.27%	8.27%	8.27%	8.27%	8.27%

141 **Winter Season (Jan. - Apr., Nov. - Dec.)**142 **Low Income Residential Heating (R4)**

143 <b>PROPOSED</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
144 <b>average Usage (Therms)</b>	64	97	138	131	99	61	590
146 <b>Winter:</b>							
148 Cust. Chg	\$9.34	\$9.34	\$9.34	\$9.34	\$9.34	\$9.34	\$56.04
149 Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
150 Tailblock	\$23.98	\$36.24	\$51.47	\$48.91	\$37.12	\$22.87	\$220.59

**Summer Season (May - Oct.)****\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
27	17	13	56	698
\$15.39	\$15.39	\$15.39	\$46.18	\$138.53
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$16.49	\$10.18	\$8.10	\$34.77	\$430.73
\$31.88	\$25.58	\$23.49	\$80.95	\$569.26
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.0000	\$0.0000	\$0.0000	\$0.00	\$0.00
\$0.1180	\$0.1180	\$0.1180	\$0.1180	\$0.1118
\$3.16	\$1.95	\$1.55	\$6.65	\$78.11
<b>\$35.04</b>	<b>\$27.53</b>	<b>\$25.04</b>	<b>\$87.60</b>	<b>\$647.38</b>

<b>\$3.54</b>	<b>\$2.79</b>	<b>\$2.54</b>	<b>\$8.87</b>	<b>\$65.20</b>
<b>10.09%</b>	<b>10.14%</b>	<b>10.16%</b>	<b>10.13%</b>	<b>10.07%</b>
\$3.29	\$2.64	\$2.42	\$8.35	\$58.78
10.32%	10.32%	10.32%	10.32%	10.33%
\$0.25	\$0.15	\$0.12	\$0.52	\$6.43
7.80%	7.80%	7.80%	7.80%	8.23%

**Summer Season (May - Oct.)****\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
27	17	14	58	647





\$60.81	\$60.81	\$60.81	\$182.44	\$547.33
\$9.86	\$9.86	\$9.86	\$29.57	\$325.25
\$17.74	\$5.41	\$2.20	\$25.35	\$585.33
\$88.41	\$76.08	\$72.88	\$237.36	\$1,457.91
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0894
\$6.92	\$3.44	\$2.54	\$12.90	\$213.31
<b>\$95.33</b>	<b>\$79.52</b>	<b>\$75.41</b>	<b>\$250.26</b>	<b>\$1,671.22</b>

<b>\$9.80</b> <b>10.28%</b>	<b>\$8.19</b> <b>10.30%</b>	<b>\$7.77</b> <b>10.31%</b>	<b>\$25.77</b> <b>10.30%</b>	<b>\$172.55</b> <b>10.32%</b>
\$9.13 10.33%	\$7.86 10.33%	\$7.53 10.33%	\$24.53 10.33%	\$150.59 10.33%
\$0.67 9.61%	\$0.33 9.61%	\$0.24 9.61%	\$1.24 9.61%	\$21.96 10.29%

Summer Season (May - Oct.)				
*Only May-July shown below				
May-24	Jun-24	Jul-24	Summer	Total
819	445	333	1,597	21,817
\$201.27	\$201.27	\$201.27	\$603.81	\$1,811.43
\$197.92	\$197.92	\$164.57	\$560.41	\$3,529.21
\$141.52	\$15.28	\$0.00	\$156.80	\$4,961.85
\$540.71	\$414.47	\$365.84	\$1,321.02	\$10,302.48
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

305	COG amount - Summer							
306								
307	LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982
308	LDAC amount	\$252.59	\$365.28	\$439.15	\$421.80	\$313.89	\$192.92	\$1,985.64
309								
310	<b>Total Bill</b>	<b>\$1,479.91</b>	<b>\$1,980.34</b>	<b>\$2,308.41</b>	<b>\$2,231.38</b>	<b>\$1,752.13</b>	<b>\$1,214.93</b>	<b>\$10,967.10</b>

\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.0987
\$85.89	\$46.70	\$34.89	\$167.49	\$2,153.12
<b>\$626.61</b>	<b>\$461.17</b>	<b>\$400.72</b>	<b>\$1,488.50</b>	<b>\$12,455.61</b>

311 **Winter Season (Jan. - Apr., Nov. - Dec.)**

312 **Commercial/Industrial - Medium Annual Use, High Winter Use (G-42)**

313	<b>CURRENT</b>							
314		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
315	<b>average Usage (Therms)</b>	2,572	3,720	4,472	4,295	3,196	1,965	20,220
316								
317	<b>Winter:</b>							
318	Cust. Chg	\$182.42	\$182.42	\$182.42	\$182.42	\$182.42	\$182.42	\$1,094.53
319	Headblock	\$448.50	\$448.50	\$448.50	\$448.50	\$448.50	\$448.50	\$2,691.00
320	Tailblock	\$481.57	\$833.05	\$1,063.48	\$1,009.37	\$672.76	\$295.45	\$4,355.68
321	HB Threshold							
322								
323	<b>Summer:</b>							
324	Cust. Chg							
325	Headblock							
326	Tailblock							
327	HB Threshold							
328								
329	Total Base Rate Amount	\$1,112.49	\$1,463.97	\$1,694.40	\$1,640.29	\$1,303.68	\$926.38	\$8,141.21
330								
331	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
332	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
333								
334	COG Rate - (Summer)							
335	COG amount - Summer							
336								
337	LDAC	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890
338	LDAC amount	\$228.93	\$331.06	\$398.01	\$382.29	\$284.48	\$174.85	\$1,799.61
339								
340	<b>Total Bill</b>	<b>\$1,341.42</b>	<b>\$1,795.03</b>	<b>\$2,092.41</b>	<b>\$2,022.58</b>	<b>\$1,588.16</b>	<b>\$1,101.22</b>	<b>\$9,940.82</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
819	445	333	1,597	21,817
\$182.42	\$182.42	\$182.42	\$547.26	\$1,641.79
\$179.40	\$179.40	\$149.17	\$507.97	\$3,198.97
\$128.29	\$13.85	\$0.00	\$142.14	\$4,497.82
\$490.11	\$375.67	\$331.59	\$1,197.37	\$9,338.58
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0895
\$78.36	\$42.61	\$31.83	\$152.80	\$1,952.41
<b>\$568.47</b>	<b>\$418.28</b>	<b>\$363.42</b>	<b>\$1,350.17</b>	<b>\$11,290.98</b>

342 **DIFFERENCE:**

343	<b>Total Bill</b>	<b>\$138.50</b>	<b>\$185.31</b>	<b>\$216.01</b>	<b>\$208.80</b>	<b>\$163.96</b>	<b>\$113.70</b>	<b>\$1,026.28</b>
344	% Change	<b>10.32%</b>	<b>10.32%</b>	<b>10.32%</b>	<b>10.32%</b>	<b>10.32%</b>	<b>10.33%</b>	<b>10.32%</b>
345								
346	<b>Base Rate</b>	\$114.83	\$151.09	\$174.86	\$169.28	\$134.56	\$95.63	\$840.26
347	% Change	10.32%	10.32%	10.32%	10.32%	10.32%	10.32%	10.32%
348								
349	<b>COG &amp; LDAC</b>	\$23.66	\$34.22	\$41.14	\$39.52	\$29.41	\$18.07	\$186.03
350	% Change	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%

<b>\$58.14</b>	<b>\$42.89</b>	<b>\$37.31</b>	<b>\$138.34</b>	<b>\$1,164.62</b>
<b>10.23%</b>	<b>10.25%</b>	<b>10.27%</b>	<b>10.25%</b>	<b>10.31%</b>
\$50.60	\$38.80	\$34.25	\$123.65	\$963.91
10.33%	10.33%	10.33%	10.33%	10.32%
\$7.53	\$4.10	\$3.06	\$14.69	\$200.72
9.61%	9.61%	9.61%	9.61%	10.28%

351 **Winter Season (Jan. - Apr., Nov. - Dec.)**

352 **Commercial/Industrial - High Annual Use, High Winter Use (G-43)**

353	<b>PROPOSED</b>							
354		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
---------------	---------------	---------------	---------------	--------------

355	<b>average Usage (Therms</b>	20,835	27,418	33,202	31,104	25,329	17,425	155,312
356								
357	<b>Winter:</b>							
358	Cust. Chg	\$861.88	\$861.88	\$861.88	\$861.88	\$861.88	\$861.88	\$5,171.28
359	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
360	Tailblock	\$6,358.73	\$8,367.88	#####	\$9,492.98	\$7,730.30	\$5,318.16	\$47,401.35
361	HB Threshold							
362								
363	<b>Summer:</b>							
364	Cust. Chg							
365	Headblock							
366	Tailblock							
367	HB Threshold							
368								
369	Total Base Rate Amount	\$7,220.61	\$9,229.76	#####	#####	\$8,592.18	\$6,180.04	\$52,572.63
370								
371	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
372	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
373								
374	COG Rate - (Summer)							
375	COG amount - Summer							
376								
377	LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982
378	LDAC amount	\$2,045.96	\$2,692.42	\$3,260.45	\$3,054.43	\$2,487.27	\$1,711.15	\$15,251.68
379								
380	<b>Total Bill</b>	<b>\$9,266.57</b>	<b>#####</b>	<b>#####</b>	<b>#####</b>	<b>#####</b>	<b>\$7,891.18</b>	<b>\$67,824.31</b>

8,580	5,719	4,491	18,790	174,102
\$861.88	\$861.88	\$861.88	\$2,585.64	\$7,756.92
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$1,272.39	\$848.10	\$666.05	\$2,786.54	\$50,187.89
\$2,134.27	\$1,709.98	\$1,527.93	\$5,372.18	\$57,944.81
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.0989
\$900.03	\$599.90	\$471.13	\$1,971.06	\$17,222.74
<b>\$3,034.30</b>	<b>\$2,309.88</b>	<b>\$1,999.05</b>	<b>\$7,343.23</b>	<b>\$75,167.55</b>

381 **Winter Season (Jan. - Apr., Nov. - Dec.)**

382 **Commercial/Industrial - High Annual Use, High Winter Use (G-43)**

383	<b>CURRENT</b>							
384		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
385	<b>average Usage (Therms</b>	20,835	27,418	33,202	31,104	25,329	17,425	155,312
386								
387	<b>Winter:</b>							
388	Cust. Chg	\$781.17	\$781.17	\$781.17	\$781.17	\$781.17	\$781.17	\$4,687.02
389	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
390	Tailblock	\$5,762.86	\$7,583.74	\$9,183.72	\$8,603.40	\$7,005.90	\$4,819.80	\$42,959.42
391	HB Threshold							
392								
393	<b>Summer:</b>							
394	Cust. Chg							
395	Headblock							
396	Tailblock							
397	HB Threshold							
398								
399	Total Base Rate Amount	\$6,544.03	\$8,364.91	\$9,964.89	\$9,384.57	\$7,787.07	\$5,600.97	\$47,646.43
400								
401	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
402	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
403								
404	COG Rate - (Summer)							
405	COG amount - Summer							
406								

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
8,580	5,719	4,491	18,790	174,102
\$781.17	\$781.17	\$781.17	\$2,343.51	\$7,030.52
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$1,153.13	\$768.60	\$603.62	\$2,525.36	\$45,484.78
\$1,934.30	\$1,549.77	\$1,384.79	\$4,868.87	\$52,515.30
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00









561 **Winter Season (Jan. - Apr., Nov. - Dec.)**

562 **Commercial/Industrial - High Annual Use, Load Factor Less Than 90% (G-53)**

563	<b>PROPOSED</b>							
564		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
565	<b>average Usage (Therms)</b>	26,393	30,514	34,284	31,537	28,621	23,002	174,351
566								
567	<b>Winter:</b>							
568	Cust. Chg	\$889.01	\$889.01	\$889.01	\$889.01	\$889.01	\$889.01	\$5,334.06
569	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
570	Tailblock	\$5,212.64	\$6,026.45	\$6,771.07	\$6,228.59	\$5,652.75	\$4,542.81	\$34,434.31
571	HB Threshold							
572								
573	<b>Summer:</b>							
574	Cust. Chg							
575	Headblock							
576	Tailblock							
577	HB Threshold							
578								
579	Total Base Rate Amount	\$6,101.65	\$6,915.46	\$7,660.08	\$7,117.60	\$6,541.76	\$5,431.82	\$39,768.37
580								
581	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
582	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
583								
584	COG Rate - (Summer)							
585	COG amount - Summer							
586								
587	LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982
588	LDAC amount	\$2,591.81	\$2,996.44	\$3,366.68	\$3,096.95	\$2,810.63	\$2,258.76	\$17,121.26
589								
590	<b>Total Bill</b>	<b>\$8,693.46</b>	<b>\$9,911.90</b>	<b>#####</b>	<b>#####</b>	<b>\$9,352.39</b>	<b>\$7,690.58</b>	<b>\$56,889.63</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
18,412	20,467	17,338	56,218	230,569
\$889.01	\$889.01	\$889.01	\$2,667.03	\$8,001.09
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$1,843.06	\$2,048.80	\$1,735.58	\$5,627.44	\$40,061.74
\$2,732.07	\$2,937.81	\$2,624.59	\$8,294.47	\$48,062.83
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.0998
\$1,931.44	\$2,147.04	\$1,818.81	\$5,897.28	\$23,018.54
<b>\$4,663.51</b>	<b>\$5,084.84</b>	<b>\$4,443.40</b>	<b>\$14,191.75</b>	<b>\$71,081.38</b>

591 **Winter Season (Jan. - Apr., Nov. - Dec.)**

592 **Commercial/Industrial - High Annual Use, Load Factor Less Than 90% (G-53)**

593	<b>CURRENT</b>							
594		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
595	<b>average Usage (Therms)</b>	26,393	30,514	34,284	31,537	28,621	23,002	174,351
596								
597	<b>Winter:</b>							
598	Cust. Chg	\$805.75	\$805.75	\$805.75	\$805.75	\$805.75	\$805.75	\$4,834.52
599	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
600	Tailblock	\$4,724.37	\$5,461.94	\$6,136.82	\$5,645.15	\$5,123.25	\$4,117.28	\$31,208.82
601	HB Threshold							
602								
603	<b>Summer:</b>							
604	Cust. Chg							
605	Headblock							
606	Tailblock							
607	HB Threshold							
608								
609	Total Base Rate Amount	\$5,530.13	\$6,267.70	\$6,942.57	\$6,450.90	\$5,929.00	\$4,923.04	\$36,043.34
610								

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
18,412	20,467	17,338	56,218	230,569
\$805.75	\$805.75	\$805.75	\$2,417.26	\$7,251.78
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$1,669.98	\$1,856.40	\$1,572.60	\$5,098.99	\$36,307.80
\$2,475.74	\$2,662.15	\$2,378.35	\$7,516.25	\$43,559.59

611	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
612	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
613								
614	COG Rate - (Summer)							
615	COG amount - Summer							
616								
617	LDAC	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890
618	LDAC amount	\$2,348.99	\$2,715.72	\$3,051.27	\$2,806.81	\$2,547.31	\$2,047.14	\$15,517.23
619								
620	<b>Total Bill</b>	<b>\$7,879.11</b>	<b>\$8,983.41</b>	<b>\$9,993.84</b>	<b>\$9,257.71</b>	<b>\$8,476.31</b>	<b>\$6,970.18</b>	<b>\$51,560.57</b>

	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0906
	\$1,762.04	\$1,958.74	\$1,659.29	\$5,380.08	\$20,897.31
	<b>\$4,237.78</b>	<b>\$4,620.89</b>	<b>\$4,037.65</b>	<b>\$12,896.32</b>	<b>\$64,456.89</b>

622 **DIFFERENCE:**

623	<b>Total Bill</b>	<b>\$814.35</b>	<b>\$928.48</b>	<b>\$1,032.92</b>	<b>\$956.84</b>	<b>\$876.07</b>	<b>\$720.40</b>	<b>\$5,329.06</b>
624	% Change	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>
625								
626	<b>Base Rate</b>	\$571.53	\$647.76	\$717.51	\$666.69	\$612.75	\$508.79	\$3,725.03
627	% Change	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%
628								
629	<b>COG &amp; LDAC</b>	\$242.82	\$280.73	\$315.41	\$290.14	\$263.32	\$211.61	\$1,604.03
630	% Change	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%

	<b>\$425.72</b>	<b>\$463.95</b>	<b>\$405.75</b>	<b>\$1,295.43</b>	<b>\$6,624.48</b>
	<b>10.05%</b>	<b>10.04%</b>	<b>10.05%</b>	<b>10.04%</b>	<b>10.28%</b>
	\$256.33	\$275.65	\$246.24	\$778.22	\$4,503.25
	10.35%	10.35%	10.35%	10.35%	10.34%
	\$169.39	\$188.30	\$159.51	\$517.21	\$2,121.24
	9.61%	9.61%	9.61%	9.61%	10.15%

631 **Winter Season (Jan. - Apr., Nov. - Dec.)**

632 **Commercial/Industrial - High Annual Use, Load Factor Greater Than 90% (G-54)**

633	<b>PROPOSED</b>							
634		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
635	<b>average Usage (Therms)</b>	<b>49,645</b>	<b>38,470</b>	<b>49,085</b>	<b>44,097</b>	<b>46,513</b>	<b>54,074</b>	281,883
636								
637	<b>Winter:</b>							
638	Cust. Chg	\$889.74	\$889.74	\$889.74	\$889.74	\$889.74	\$889.74	\$5,338.44
639	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
640	Tailblock	\$3,733.33	\$2,892.94	\$3,691.17	\$3,316.06	\$3,497.74	\$4,066.39	\$21,197.63
641	HB Threshold							
642								
643	<b>Summer:</b>							
644	Cust. Chg							
645	Headblock							
646	Tailblock							
647	HB Threshold							
648								
649	<b>Total Base Rate Amount</b>	<b>\$4,623.07</b>	<b>\$3,782.68</b>	<b>\$4,580.91</b>	<b>\$4,205.80</b>	<b>\$4,387.48</b>	<b>\$4,956.13</b>	<b>\$26,536.07</b>
650								
651	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
652	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
653								
654	COG Rate - (Summer)							
655	COG amount - Summer							
656								
657	LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982
658	LDAC amount	\$4,875.18	\$3,777.75	\$4,820.12	\$4,330.29	\$4,567.53	\$5,310.09	\$27,680.95
659								
660	<b>Total Bill</b>	<b>\$9,498.25</b>	<b>\$7,560.42</b>	<b>\$9,401.03</b>	<b>\$8,536.09</b>	<b>\$8,955.02</b>	<b>\$10,266.22</b>	<b>\$54,217.03</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

	<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
	<b>48,707</b>	<b>52,212</b>	<b>51,948</b>	152,867	434,751
	\$889.74	\$889.74	\$889.74	\$2,669.22	\$8,007.66
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$2,074.91	\$2,224.24	\$2,213.00	\$6,512.16	\$27,709.79
	\$2,964.65	\$3,113.98	\$3,102.74	\$9,181.38	\$35,717.45
	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.1006
	\$5,109.35	\$5,477.07	\$5,449.38	\$16,035.80	\$43,716.75
	<b>\$8,074.00</b>	<b>\$8,591.05</b>	<b>\$8,552.13</b>	<b>\$25,217.18</b>	<b>\$79,434.20</b>

\$726.25 9.88%	\$772.52 9.88%	\$769.04 9.88%	\$2,267.81 9.88%	\$7,334.25 10.17%
\$278.15 10.35%	\$292.17 10.35%	\$291.11 10.35%	\$861.43 10.35%	\$3,334.54 10.30%
\$448.10 9.61%	\$480.35 9.61%	\$477.93 9.61%	\$1,406.38 9.61%	\$3,999.71 10.07%

Line  
No

**Liberty Utilities (EnergyNorth Natural Gas) Corp.**  
**Bill Impact Analysis - Cost of Gas Filing Methodology**

1 **Winter Season (Jan. - Apr., Nov. - Dec.)**

2 **Residential Non-Heating (R1)**

3 <b>PROPOSED</b>	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
4 <b>average Usage (Therr</b>	25	35	35	33	28	21	177
5 <b>Winter:</b>							
6 Cust. Chg	\$16.98	\$16.98	\$16.98	\$16.98	\$16.98	\$16.98	\$101.88
7 Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8 Tailblock	\$12.68	\$17.77	\$17.77	\$17.00	\$14.19	\$10.56	\$89.96
9 HB Threshold							
10 <b>Summer:</b>							
11 Cust. Chg							
12 Headblock							
13 Tailblock							
14 HB Threshold							
15 <b>Total Base Rate Amount</b>	\$29.66	\$34.75	\$34.75	\$33.98	\$31.17	\$27.54	\$191.84
16 <b>COG Rate - (Winter'</b>	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
17 <b>COG amount - Winter</b>	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
18 <b>COG Rate - (Summ</b>							
19 <b>COG amount - Summer</b>							
20 <b>LDAC</b>	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205
21 <b>LDAC amount</b>	\$3.00	\$4.21	\$4.21	\$4.02	\$3.36	\$2.50	\$21.29
22 <b>Total Bill</b>	<b>\$32.66</b>	<b>\$38.95</b>	<b>\$38.95</b>	<b>\$38.00</b>	<b>\$34.53</b>	<b>\$30.04</b>	<b>\$213.14</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total
13	11	9	34	211
\$16.98	\$16.98	\$16.98	\$50.94	\$152.82
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$6.78	\$5.78	\$4.69	\$17.25	\$107.21
\$23.76	\$22.76	\$21.67	\$68.19	\$260.03
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1272	\$0.1272	\$0.1272	\$0.1272	\$0.1216
\$1.69	\$1.44	\$1.17	\$4.31	\$25.60
<b>\$25.45</b>	<b>\$24.20</b>	<b>\$22.85</b>	<b>\$72.50</b>	<b>\$285.64</b>

Temp Rates
Avg Mo

18

\$21.67

\$0.00

\$2.13

**\$23.80**

31 **Winter Season (Jan. - Apr., Nov. - Dec.)**

32 **Residential Non-Heating (R1)**

33 <b>CURRENT</b>	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
34 <b>average Usage (Therr</b>	25	35	35	33	28	21	177
35 <b>Winter:</b>							
36 Cust. Chg	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.34
37 Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
38 Tailblock	\$11.49	\$16.10	\$16.10	\$15.41	\$12.86	\$9.57	\$81.53
39 HB Threshold							
40 <b>Summer:</b>							
41 Cust. Chg							
42 Headblock							
43 Tailblock							
44 HB Threshold							
45 <b>Total Base Rate Amount</b>	\$26.88	\$31.49	\$31.49	\$30.80	\$28.25	\$24.96	\$173.87
46 <b>COG Rate - (Winter'</b>	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
47 <b>COG amount - Winter</b>	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
48 <b>COG Rate - (Summ</b>							

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total
13	11	9	34	211
\$15.39	\$15.39	\$15.39	\$46.17	\$138.51
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$6.14	\$5.24	\$4.25	\$15.63	\$97.17
\$21.53	\$20.63	\$19.64	\$61.80	\$235.68
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000

\$19.64

55	COG amount - Summer								\$0.0000	\$0.0000	\$0.0000	\$0.00	\$0.00	\$0.00
56														
57	LDAC	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1113	\$0.1180	\$0.1180	\$0.1180	\$0.1180	\$0.1124	
58	LDAC amount	\$2.77	\$3.88	\$3.88	\$3.72	\$3.10	\$2.31	\$19.67	\$1.57	\$1.34	\$1.09	\$4.00	\$23.67	\$1.97
59														
60	<b>Total Bill</b>	<b>\$29.66</b>	<b>\$35.38</b>	<b>\$35.38</b>	<b>\$34.51</b>	<b>\$31.35</b>	<b>\$27.27</b>	<b>\$193.54</b>	<b>\$23.10</b>	<b>\$21.97</b>	<b>\$20.73</b>	<b>\$65.80</b>	<b>\$259.34</b>	<b>\$21.61</b>
61														
62	<b>DIFFERENCE:</b>													
63	<b>Total Bill</b>	<b>\$3.01</b>	<b>\$3.58</b>	<b>\$3.58</b>	<b>\$3.49</b>	<b>\$3.18</b>	<b>\$2.77</b>	<b>\$19.59</b>	<b>\$2.35</b>	<b>\$2.24</b>	<b>\$2.11</b>	<b>\$6.70</b>	<b>\$26.29</b>	<b>\$2.19</b>
64	% Change	<b>10.14%</b>	<b>10.11%</b>	<b>10.11%</b>	<b>10.11%</b>	<b>10.13%</b>	<b>10.16%</b>	<b>10.12%</b>	<b>10.16%</b>	<b>10.18%</b>	<b>10.20%</b>	<b>10.18%</b>	<b>10.14%</b>	<b>10.14%</b>
65														
66	<b>Base Rate</b>	\$2.78	\$3.25	\$3.25	\$3.18	\$2.92	\$2.58	\$17.97	\$2.22	\$2.13	\$2.03	\$6.39	\$24.36	\$2.03
67	% Change	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%
68														
69	<b>COG &amp; LDAC</b>	\$0.23	\$0.32	\$0.32	\$0.31	\$0.26	\$0.19	\$1.63	\$0.12	\$0.10	\$0.08	\$0.31	\$1.94	\$0.16
70	% Change	8.27%	8.27%	8.27%	8.27%	8.27%	8.27%	8.27%	7.80%	7.80%	7.80%	7.80%	8.19%	8.19%

71 **Winter Season (Jan. - Apr., Nov. - Dec.)**

72 **Residential Heating (R3)**

73	<b>PROPOSED</b>							
74		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
75	average Usage (Therr	80	119	144	137	101	61	642
76								
77	<b>Winter:</b>							
78	Cust. Chg	\$16.98	\$16.98	\$16.98	\$16.98	\$16.98	\$16.98	\$101.88
79	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
80	Tailblock	\$54.20	\$81.16	\$97.85	\$93.15	\$68.80	\$41.69	\$436.86
81	HB Threshold							
82								
83	<b>Summer:</b>							
84	Cust. Chg							
85	Headblock							
86	Tailblock							
87	HB Threshold							
88								
89	Total Base Rate Amount	\$71.18	\$98.14	\$114.83	\$110.13	\$85.78	\$58.67	\$538.74
90								
91	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
92	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
93								
94	COG Rate - (Summer)							
95	COG amount - Summer							
96								
97	LDAC	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205
98	LDAC amount	\$9.60	\$14.37	\$17.33	\$16.50	\$12.19	\$7.38	\$77.37
99								
100	<b>Total Bill</b>	<b>\$80.78</b>	<b>\$112.51</b>	<b>\$132.16</b>	<b>\$126.63</b>	<b>\$97.97</b>	<b>\$66.06</b>	<b>\$616.11</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

	<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>	<b>Avg Mo</b>
	27	17	13	56	698	58.2035796
	\$16.98	\$16.98	\$16.98	\$50.94	\$152.82	
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	\$18.19	\$11.24	\$8.93	\$38.36	\$475.22	
	\$35.17	\$28.22	\$25.91	\$89.30	\$628.04	\$52.34
	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
	\$0.1272	\$0.1272	\$0.1272	\$0.1272	\$0.1210	
	\$3.40	\$2.10	\$1.67	\$7.17	\$84.54	\$7.05
	<b>\$38.57</b>	<b>\$30.32</b>	<b>\$27.58</b>	<b>\$96.47</b>	<b>\$712.58</b>	<b>\$59.38</b>

101 **Winter Season (Jan. - Apr., Nov. - Dec.)**

102 **Residential Heating (R3)**

103	<b>CURRENT</b>							
104		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
105	average Usage (Therr	80	119	144	137	101	61	642
106								
107	<b>Winter:</b>							
108	Cust. Chg	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$15.39	\$92.35
109	Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
110	Tailblock	\$49.12	\$73.56	\$88.69	\$84.43	\$62.36	\$37.79	\$395.96

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

	<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>	
	27	17	13	56	698	58.2035796

141 Winter Season (Jan. - Apr., Nov. - Dec.)

142 Low Income Residential Heating (R4)

143 PROPOSED

144

145 average Usage (Therr

146

147 Winter:

148 Cust. Chg

149 Headblock

150 Tailblock

151 HB Threshold

152

153 Summer:

154 Cust. Chg

155 Headblock

156 Tailblock

157 HB Threshold

158

159 Total Base Rate Amount

160

161 COG Rate - (Winter,

162 COG amount - Winter

163

164 COG Rate - (Summ

165 COG amount - Summer

166

167 LDAC

168 LDAC amount

Summer Season (May - Oct.)

\*Only May-July shown below

May-24

Jun-24

Jul-24

Summer

Total

Avg Mo

64	97	138	131	99	61	590	27	17	14	58	647	
\$9.34	\$9.34	\$9.34	\$9.34	\$9.34	\$9.34	\$56.04	\$16.98	\$16.98	\$16.98	\$50.94	\$106.98	
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
\$23.98	\$36.24	\$51.47	\$48.91	\$37.12	\$22.87	\$220.59	\$18.37	\$11.49	\$9.27	\$39.13	\$259.73	
\$33.32	\$45.58	\$60.81	\$58.25	\$46.46	\$32.21	\$276.63	\$35.35	\$28.47	\$26.25	\$90.07	\$366.71	\$30.56
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000						
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00						
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1205	\$0.1272	\$0.1272	\$0.1272	\$0.1272	\$0.1211	
\$7.72	\$11.67	\$16.58	\$15.75	\$11.95	\$7.36	\$71.04	\$3.44	\$2.15	\$1.73	\$7.32	\$78.35	\$6.53





<p><b>\$14.38</b> <b>10.32%</b></p>
<p>\$12.55 10.33%</p>
<p>\$1.83 10.29%</p>

281 **Winter Season (Jan. - Apr., Nov. - Dec.)**

282 **Commercial/Industrial - Medium Annual Use, High Winter Use (G-42)**

283	PROPOSED	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
284								
285	average Usage (Therms)	2,572	3,720	4,472	4,295	3,196	1,965	20,220
286								
287	<b>Winter:</b>							
288	Cust. Chg	\$201.27	\$201.27	\$201.27	\$201.27	\$201.27	\$201.27	\$1,207.62
289	Headblock	\$494.80	\$494.80	\$494.80	\$494.80	\$494.80	\$494.80	\$2,968.80
290	Tailblock	\$531.25	\$919.00	\$1,173.19	\$1,113.50	\$742.17	\$325.94	\$4,805.05
291	HB Threshold							
292								
293	<b>Summer:</b>							
294	Cust. Chg							
295	Headblock							
296	Tailblock							
297	HB Threshold							
298								
299	Total Base Rate Amount	\$1,227.32	\$1,615.07	\$1,869.26	\$1,809.57	\$1,438.24	\$1,022.01	\$8,981.47
300								
301	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
302	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
303								
304	COG Rate - (Summer)							
305	COG amount - Summer							
306								
307	LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982
308	LDAC amount	\$252.59	\$365.28	\$439.15	\$421.80	\$313.89	\$192.92	\$1,985.64
309								
310	<b>Total Bill</b>	<b>#####</b>	<b>\$1,980.34</b>	<b>\$2,308.41</b>	<b>\$2,231.38</b>	<b>\$1,752.13</b>	<b>\$1,214.93</b>	<b>\$10,967.10</b>

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total	Avg Mo
819	445	333	1,597	21,817	
\$201.27	\$201.27	\$201.27	\$603.81	\$1,811.43	
\$197.92	\$197.92	\$164.57	\$560.41	\$3,529.21	
\$141.52	\$15.28	\$0.00	\$156.80	\$4,961.85	
\$540.71	\$414.47	\$365.84	\$1,321.02	\$10,302.48	\$858.54
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.0987	
\$85.89	\$46.70	\$34.89	\$167.49	\$2,153.12	\$179.43
\$626.61	\$461.17	\$400.72	\$1,488.50	\$12,455.61	\$1,037.97

311 **Winter Season (Jan. - Apr., Nov. - Dec.)**

312 **Commercial/Industrial - Medium Annual Use, High Winter Use (G-42)**

313	CURRENT	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
314								
315	average Usage (Therms)	2,572	3,720	4,472	4,295	3,196	1,965	20,220
316								
317	<b>Winter:</b>							
318	Cust. Chg	\$182.42	\$182.42	\$182.42	\$182.42	\$182.42	\$182.42	\$1,094.53
319	Headblock	\$448.50	\$448.50	\$448.50	\$448.50	\$448.50	\$448.50	\$2,691.00
320	Tailblock	\$481.57	\$833.05	\$1,063.48	\$1,009.37	\$672.76	\$295.45	\$4,355.68
321	HB Threshold							
322								
323	<b>Summer:</b>							
324	Cust. Chg							
325	Headblock							
326	Tailblock							
327	HB Threshold							
328								
329	Total Base Rate Amount	\$1,112.49	\$1,463.97	\$1,694.40	\$1,640.29	\$1,303.68	\$926.38	\$8,141.21
330								
331	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
332	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
333								
334	COG Rate - (Summer)							
335	COG amount - Summer							
336								
337	LDAC	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890
338	LDAC amount	\$228.93	\$331.06	\$398.01	\$382.29	\$284.48	\$174.85	\$1,799.61

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total	
819	445	333	1,597	21,817	
\$182.42	\$182.42	\$182.42	\$547.26	\$1,641.79	
\$179.40	\$179.40	\$149.17	\$507.97	\$3,198.97	
\$128.29	\$13.85	\$0.00	\$142.14	\$4,497.82	
\$490.11	\$375.67	\$331.59	\$1,197.37	\$9,338.58	\$778.21
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0895	
\$78.36	\$42.61	\$31.83	\$152.80	\$1,952.41	\$162.70

\$568.47	\$418.28	\$363.42	\$1,350.17	\$11,290.98
\$58.14 10.23%	\$42.89 10.25%	\$37.31 10.27%	\$138.34 10.25%	\$1,164.62 10.31%
\$50.60 10.33%	\$38.80 10.33%	\$34.25 10.33%	\$123.65 10.33%	\$963.91 10.32%
\$7.53 9.61%	\$4.10 9.61%	\$3.06 9.61%	\$14.69 9.61%	\$200.72 10.28%

<p><b>\$97.05</b> <b>10.31%</b></p>
<p>\$80.33 10.32%</p>
<p>\$16.73 10.28%</p>

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total
8,580	5,719	4,491	18,790	174,102
\$861.88	\$861.88	\$861.88	\$2,585.64	\$7,756.92
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$1,272.39	\$848.10	\$666.05	\$2,786.54	\$50,187.89
\$2,134.27	\$1,709.98	\$1,527.93	\$5,372.18	\$57,944.81
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.0989
\$900.03	\$599.90	\$471.13	\$1,971.06	\$17,222.74
<b>\$3,034.30</b>	<b>\$2,309.88</b>	<b>\$1,999.05</b>	<b>\$7,343.23</b>	<b>\$75,167.55</b>

Avg Mo
\$4,828.73
\$0.00
\$1,435.23
\$6,263.96

**\*Only May-July shown below**

<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>
8,580	5,719	4,491	18,790	174,102
\$781.17	\$781.17	\$781.17	\$2,343.51	\$7,030.52

421 **Winter Season (Jan. - Apr., Nov. - Dec.)**

### Summer Season (May - Oct.)

423	<b>PROPOSED</b>							
424		<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>
425	<b>average Usage (Therms)</b>	289	347	393	372	315	255	1,972
426								
427	<b>Winter:</b>							
428	Cust. Chg	\$67.16	\$67.16	\$67.16	\$67.16	\$67.16	\$67.16	\$402.96
429	Headblock	\$32.77	\$32.77	\$32.77	\$32.77	\$32.77	\$32.77	\$196.62
430	Tailblock	\$41.41	\$54.04	\$64.17	\$59.61	\$46.96	\$33.92	\$300.11
431	HB Threshold							
432								
433	<b>Summer:</b>							
434	Cust. Chg							
435	Headblock							
436	Tailblock							
437	HB Threshold							
438								
439	Total Base Rate Amount	\$141.34	\$153.97	\$164.10	\$159.54	\$146.89	\$133.85	\$899.69
440								
441	COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
442	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
443								
444	COG Rate - (Summer)							
445	COG amount - Summer							
446								
447	LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982
448	LDAC amount	\$28.40	\$34.07	\$38.62	\$36.57	\$30.90	\$25.05	\$193.61
449								
450	<b>Total Bill</b>	<b>\$169.74</b>	<b>\$188.04</b>	<b>\$202.73</b>	<b>\$196.11</b>	<b>\$177.78</b>	<b>\$158.90</b>	<b>\$1,093.31</b>

May-24	Jun-24	Jul-24	Summer	Total	Avg Mo
205	205	186	596	2,567	
\$67.16	\$67.16	\$67.16	\$201.48	\$604.44	
\$32.77	\$32.77	\$32.77	\$98.31	\$294.93	
\$22.92	\$22.98	\$18.81	\$64.71	\$364.82	
\$122.85	\$122.91	\$118.74	\$364.50	\$1,264.19	\$105.35
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.0998	
\$21.48	\$21.51	\$19.51	\$62.49	\$256.11	\$21.34
<b>\$144.32</b>	<b>\$144.42</b>	<b>\$138.25</b>	<b>\$426.99</b>	<b>\$1,520.29</b>	<b>\$126.69</b>

451 **Winter Season (Jan. - Apr., Nov. - Dec.)**

452 **Commercial/Industrial - Low Annual Use, Low Winter Use (G-51)**

453 <b>CURRENT</b>	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
454 <b>average Usage (Therms)</b>	289	347	393	372	315	255	1,972
456 <b>Winter:</b>							
458 Cust. Chg	\$60.87	\$60.87	\$60.87	\$60.87	\$60.87	\$60.87	\$365.22
459 Headblock	\$29.70	\$29.70	\$29.70	\$29.70	\$29.70	\$29.70	\$178.20
460 Tailblock	\$37.53	\$48.98	\$58.16	\$54.03	\$42.56	\$30.75	\$271.99
461 HB Threshold							
462 <b>Summer:</b>							
464 Cust. Chg							
465 Headblock							
466 Tailblock							
467 HB Threshold							
468 <b>Total Base Rate Amount</b>	\$128.10	\$139.55	\$148.73	\$144.60	\$133.13	\$121.32	\$815.42
470 <b>COG Rate - (Winter)</b>	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
471 <b>COG amount - Winter</b>	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00
473 <b>COG Rate - (Summer)</b>							
474 <b>COG amount - Summer</b>							
476 <b>LDAC</b>	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890
477 <b>LDAC amount</b>	\$25.74	\$30.88	\$35.00	\$33.15	\$28.00	\$22.70	\$175.48
479 <b>Total Bill</b>	<b>\$153.84</b>	<b>\$170.43</b>	<b>\$183.74</b>	<b>\$177.74</b>	<b>\$161.13</b>	<b>\$144.02</b>	<b>\$990.89</b>

481 **DIFFERENCE:**

482 <b>Total Bill</b>	<b>\$15.90</b>	<b>\$17.61</b>	<b>\$18.99</b>	<b>\$18.37</b>	<b>\$16.65</b>	<b>\$14.88</b>	<b>\$102.41</b>
483 <b>% Change</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>	<b>10.34%</b>
485 <b>Base Rate</b>	\$13.24	\$14.42	\$15.37	\$14.94	\$13.76	\$12.54	\$84.27
486 <b>% Change</b>	10.34%	10.34%	10.34%	10.34%	10.34%	10.33%	10.34%
488 <b>COG &amp; LDAC</b>	\$2.66	\$3.19	\$3.62	\$3.43	\$2.89	\$2.35	\$18.14
489 <b>% Change</b>	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total
205	205	186	596	2,567
\$60.87	\$60.87	\$60.87	\$182.61	\$547.84
\$29.70	\$29.70	\$29.70	\$89.10	\$267.30
\$20.77	\$20.83	\$17.05	\$58.64	\$330.64
\$111.34	\$111.40	\$107.62	\$330.35	\$1,145.77
\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000
\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0906
\$19.59	\$19.62	\$17.80	\$57.01	\$232.49
<b>\$130.93</b>	<b>\$131.02</b>	<b>\$125.41</b>	<b>\$387.37</b>	<b>\$1,378.26</b>

<b>\$13.39</b>	<b>\$13.40</b>	<b>\$12.83</b>	<b>\$39.62</b>	<b>\$142.04</b>
<b>10.23%</b>	<b>10.23%</b>	<b>10.23%</b>	<b>10.23%</b>	<b>10.31%</b>
\$11.51	\$11.51	\$11.12	\$34.14	\$118.42
10.33%	10.33%	10.33%	10.33%	10.33%
\$1.88	\$1.89	\$1.71	\$5.48	\$23.62
9.61%	9.61%	9.61%	9.61%	10.16%

491 **Winter Season (Jan. - Apr., Nov. - Dec.)**

492 **Commercial/Industrial - Medium Annual Use, Low Winter Use (G-52)**

493 <b>PROPOSED</b>	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	Winter
494 <b>average Usage (Therms)</b>	1,916	2,288	2,709	2,529	2,176	1,766	13,384
496 <b>Winter:</b>							
498 Cust. Chg	\$201.09	\$201.09	\$201.09	\$201.09	\$201.09	\$201.09	\$1,206.54
499 Headblock	\$282.50	\$282.50	\$282.50	\$282.50	\$282.50	\$282.50	\$1,695.00
500 Tailblock	\$176.77	\$248.58	\$329.89	\$295.10	\$227.00	\$147.84	\$1,425.17
501 HB Threshold							
502 <b>Summer:</b>							
504 Cust. Chg							
505 Headblock							
506 Tailblock							
507 HB Threshold							

**Summer Season (May - Oct.)**

**\*Only May-July shown below**

May-24	Jun-24	Jul-24	Summer	Total
1,399	1,382	1,237	4,019	17,403
\$201.09	\$201.09	\$201.09	\$603.27	\$1,809.81
\$208.60	\$208.60	\$208.60	\$625.80	\$2,320.80
\$49.89	\$47.75	\$29.59	\$127.23	\$1,552.40

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623	<b>Total Bill</b>	<b>\$814.35</b>	<b>\$928.48</b>	<b>\$1,032.92</b>	<b>\$956.84</b>	<b>\$876.07</b>	<b>\$720.40</b>	<b>\$5,329.06</b>	<b>\$425.72</b>	<b>\$463.95</b>	<b>\$405.75</b>	<b>\$1,295.43</b>	<b>\$6,624.48</b>	<b>\$552.04</b>
624	% Change	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.05%	10.04%	10.05%	10.04%	10.28%	10.28%
625														
626	<b>Base Rate</b>	\$571.53	\$647.76	\$717.51	\$666.69	\$612.75	\$508.79	\$3,725.03	\$256.33	\$275.65	\$246.24	\$778.22	\$4,503.25	\$375.27
627	% Change	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.33%	10.35%	10.35%	10.35%	10.35%	10.34%	10.34%
628														
629	<b>COG &amp; LDAC</b>	\$242.82	\$280.73	\$315.41	\$290.14	\$263.32	\$211.61	\$1,604.03	\$169.39	\$188.30	\$159.51	\$517.21	\$2,121.24	\$176.77
630	% Change	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	9.61%	9.61%	9.61%	9.61%	10.15%	10.15%

631 **Winter Season (Jan. - Apr., Nov. - Dec.)**

### Summer Season (May - Oct.)

**632 Commercial/Industrial - High Annual Use, Load Factor Greater Than 90% (G-54)**

**\*Only May-July shown below**

<b>PROPOSED</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Apr-24</b>	<b>Winter</b>	<b>May-24</b>	<b>Jun-24</b>	<b>Jul-24</b>	<b>Summer</b>	<b>Total</b>	<b>Avg Mo</b>
<b>average Usage (Therms)</b>	49,645	38,470	49,085	44,097	46,513	54,074	281,883	48,707	52,212	51,948	152,867	434,751	
<b>Winter:</b>													
Cust. Chg	\$889.74	\$889.74	\$889.74	\$889.74	\$889.74	\$889.74	\$5,338.44						
Headblock	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00						
Tailblock	\$3,733.33	\$2,892.94	\$3,691.17	\$3,316.06	\$3,497.74	\$4,066.39	\$21,197.63						
HB Threshold													
<b>Summer:</b>													
Cust. Chg								\$889.74	\$889.74	\$889.74	\$2,669.22	\$8,007.66	
Headblock								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Tailblock								\$2,074.91	\$2,224.24	\$2,213.00	\$6,512.16	\$27,709.79	
HB Threshold													
Total Base Rate Amount	\$4,623.07	\$3,782.68	\$4,580.91	\$4,205.80	\$4,387.48	\$4,956.13	\$26,536.07	\$2,964.65	\$3,113.98	\$3,102.74	\$9,181.38	\$35,717.45	\$2,976.45
COG Rate - (Winter)	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000						
COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00						
COG Rate - (Summer)								\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
COG amount - Summer								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
LDAC	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.0982	\$0.1049	\$0.1049	\$0.1049	\$0.1049	\$0.1006	
LDAC amount	#####	\$3,777.75	\$4,820.12	\$4,330.29	\$4,567.53	\$5,310.09	\$27,680.95	\$5,109.35	\$5,477.07	\$5,449.38	\$16,035.80	\$43,716.75	\$3,643.06
<b>Total Bill</b>	#####	<b>\$7,560.42</b>	<b>\$9,401.03</b>	<b>\$8,536.09</b>	<b>\$8,955.02</b>	<b>\$10,266.22</b>	<b>\$54,217.03</b>	<b>\$8,074.00</b>	<b>\$8,591.05</b>	<b>\$8,552.13</b>	<b>\$25,217.18</b>	<b>\$79,434.20</b>	<b>\$6,619.52</b>

661 **Winter Season (Jan. - Apr., Nov. - Dec.)**

### Summer Season (May - Oct.)

**662 Commercial/Industrial - High Annual Use, Load Factor Greater Than 90% (G-54)**

**\*Only May-July shown below**

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679	Total Base Rate Amount	\$4,192.23	\$3,430.07	\$4,154.00	\$3,813.81	\$3,978.58	\$4,494.28	\$24,062.97	\$2,686.50	\$2,821.81	\$2,811.63	\$8,319.94	\$32,382.91	\$2,698.58
680														
681	COG Rate - (Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000						
682	COG amount - Winter	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.00						
683														
684	COG Rate - (Summ								\$0.0000	\$0.0000	\$0.0000	\$0.0000	\$0.0000	
685	COG amount - Summer								\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
686														
687	LDAC	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0890	\$0.0957	\$0.0957	\$0.0957	\$0.0957	\$0.0914	
688	LDAC amount	#####	\$3,423.82	\$4,368.54	\$3,924.60	\$4,139.62	\$4,812.61	\$25,087.63	\$4,661.24	\$4,996.72	\$4,971.46	\$14,629.42	\$39,717.05	\$3,309.75
689														
690	<b>Total Bill</b>	#####	<b>\$6,853.89</b>	<b>\$8,522.54</b>	<b>\$7,738.40</b>	<b>\$8,118.19</b>	<b>\$9,306.89</b>	<b>\$49,150.59</b>	<b>\$7,347.74</b>	<b>\$7,818.53</b>	<b>\$7,783.09</b>	<b>\$22,949.36</b>	<b>\$72,099.95</b>	<b>\$6,008.33</b>
691														
692	<b>DIFFERENCE:</b>													
693	<b>Total Bill</b>	<b>\$887.58</b>	<b>\$706.53</b>	<b>\$878.49</b>	<b>\$797.69</b>	<b>\$836.82</b>	<b>\$959.32</b>	<b>\$5,066.44</b>	<b>\$726.25</b>	<b>\$772.52</b>	<b>\$769.04</b>	<b>\$2,267.81</b>	<b>\$7,334.25</b>	<b>\$611.19</b>
694	% Change	<b>10.31%</b>	<b>10.31%</b>	<b>10.31%</b>	<b>10.31%</b>	<b>10.31%</b>	<b>10.31%</b>	<b>10.31%</b>	<b>9.88%</b>	<b>9.88%</b>	<b>9.88%</b>	<b>9.88%</b>	<b>10.17%</b>	<b>10.17%</b>
695														
696	<b>Base Rate</b>	\$430.84	\$352.61	\$426.91	\$392.00	\$408.91	\$461.84	\$2,473.11	\$278.15	\$292.17	\$291.11	\$861.43	\$3,334.54	\$277.88
697	% Change	10.28%	10.28%	10.28%	10.28%	10.28%	10.28%	10.28%	10.35%	10.35%	10.35%	10.35%	10.30%	10.30%
698														
699	<b>COG &amp; LDAC</b>	\$456.74	\$353.92	\$451.58	\$405.69	\$427.92	\$497.48	\$2,593.33	\$448.10	\$480.35	\$477.93	\$1,406.38	\$3,999.71	\$333.31
700	% Change	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	10.34%	9.61%	9.61%	9.61%	9.61%	10.07%	10.07%

**Calendar and Weather Normalized Therms**

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
R-1	123,819	106,699	98,273	70,331	46,567	38,379	32,094	0	0	0	82,669	119,136
R-3	11,123,198	9,575,666	7,831,593	4,587,160	2,064,484	1,231,559	1,020,744	0	0	0	5,923,260	9,154,525
R-4	889,634	762,338	640,312	382,775	174,920	104,823	74,988	0	0	0	399,342	620,199
G-41	5,271,171	4,516,058	3,541,772	1,904,868	715,928	338,595	255,058	0	0	0	2,547,310	4,199,898
G-42	6,740,362	5,861,262	4,832,857	2,874,210	1,232,517	646,229	498,349	0	0	0	3,745,415	5,560,090
G-43	2,195,770	1,857,953	1,675,067	1,115,209	567,414	366,383	297,220	0	0	0	1,334,795	1,782,672
G-51	520,718	445,973	417,530	327,636	271,407	262,743	246,292	0	0	0	366,600	450,769
G-52	1,138,608	960,602	914,437	715,995	588,001	563,469	521,490	0	0	0	786,062	971,325
G-53	1,238,785	1,032,311	1,004,610	782,052	645,650	695,211	607,422	0	0	0	899,102	998,805
G-54	1,320,374	1,071,157	1,271,745	1,460,005	1,355,487	1,405,716	1,446,016	0	0	0	1,292,232	1,001,345
G-63												

**TY Customers**

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22
R-1	3,548	3,195	3,526	3,391	3,499	3,381	3,482	0	0	0	3,319	3,414
R-3	77,345	69,940	77,446	74,856	77,213	74,576	77,734	0	0	0	74,362	76,749
R-4	6,467	5,832	6,455	6,264	6,477	6,208	5,506	0	0	0	6,230	6,404
G-41	10,077	9,122	10,102	9,724	9,899	9,418	9,624	0	0	0	9,584	9,967
G-42	1,507	1,365	1,512	1,463	1,505	1,451	1,498	0	0	0	1,456	1,495
G-43	66	60	66	64	66	64	66	0	0	0	64	65
G-51	1,324	1,197	1,327	1,285	1,326	1,282	1,324	0	0	0	1,267	1,299
G-52	420	380	420	405	420	408	422	0	0	0	410	425
G-53	36	33	35	34	35	34	35	0	0	0	34	33
G-54	27	24	27	27	28	27	28	0	0	0	26	26
G-63												

**TY Calendar and Weather Normalized Usage Per Customer**

	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-22	Sep-22	Oct-22	Nov-23	Dec-23
	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22				Nov-22	Dec-22
R-1	35	33	28	21	13	11	9				25	35
R-3	144	137	101	61	27	17	13				80	119
R-4	138	131	99	61	27	17	14				64	97
G-41	523	495	351	196	72	36	27				266	421
G-42	4,472	4,295	3,196	1,965	819	445	333				2,572	3,720
G-43	33,202	31,104	25,329	17,425	8,580	5,719	4,491				20,835	27,418
G-51	393	372	315	255	205	205	186				289	347
G-52	2,709	2,529	2,176	1,766	1,399	1,382	1,237				1,916	2,288
G-53	34,284	31,537	28,621	23,002	18,412	20,467	17,338				26,393	30,514
G-54	49,085	44,097	46,513	54,074	48,707	52,212	51,948				49,645	38,470
G-63												

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[illegible][illegible]

[illegible]

TV DELIVERY REVENUES - NORMALIZED BQ, CURRENT RATES  
(BILK7 undiscounted)[illegible]

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Black, M.	2027	The Impact of Climate Change on Global Biodiversity	Global Biodiversity and Climate Change	28	13	121-130	Black, M.	2027	The Impact of Climate Change on Global Biodiversity
Green, N.	2028	The Role of Artificial Intelligence in Cybersecurity	Artificial Intelligence in Cybersecurity	16	14	131-140	Green, N.	2028	The Role of Artificial Intelligence in Cybersecurity
White, O.	2029	The Impact of Space Exploration on Human Spaceflight	Human Spaceflight and Space Exploration	34	15	141-150	White, O.	2029	The Impact of Space Exploration on Human Spaceflight
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Gold, Q.	2031	The Impact of Climate Change on Global Water Resources	Global Water Resources and Climate Change	26	17	161-170	Gold, Q.	2031	The Impact of Climate Change on Global Water Resources
Silver, R.	2032	The Role of Artificial Intelligence in Healthcare Diagnostics	Artificial Intelligence in Healthcare Diagnostics	19	18	171-180	Silver, R.	2032	The Role of Artificial Intelligence in Healthcare Diagnostics
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Black, T.	2034	The Role of Quantum Computing in Cryptography	Quantum Computing in Cryptography	13	20	191-200	Black, T.	2034	The Role of Quantum Computing in Cryptography
Green, U.	2035	The Impact of Climate Change on Human Health	Human Health and Climate Change	24	21	201-210	Green, U.	2035	The Impact of Climate Change on Human Health
White, V.	2036	The Role of Artificial Intelligence in Education	Artificial Intelligence in Education	17	22	211-220	White, V.	2036	The Role of Artificial Intelligence in Education
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Gold, Z.	2040	The Role of Artificial Intelligence in Cybersecurity	Artificial Intelligence in Cybersecurity	18	26	251-260	Gold, Z.	2040	The Role of Artificial Intelligence in Cybersecurity
Black, AA.	2041	The Impact of Space Exploration on Human Spaceflight	Human Spaceflight and Space Exploration	35	27	261-270	Black, AA.	2041	The Impact of Space Exploration on Human Spaceflight
Green, BB.	2042	The Role of Quantum Computing in Data Science	Quantum Computing in Data Science	12	28	271-280	Green, BB.	2042	The Role of Quantum Computing in Data Science
White, CC.	2043	The Impact of Climate Change on Global Water Resources	Global Water Resources and Climate Change	25	29	281-290	White, CC.	2043	The Impact of Climate Change on Global Water Resources
Black, DD.	2044	The Role of Artificial Intelligence in Healthcare Diagnostics	Artificial Intelligence in Healthcare Diagnostics	20	30	291-300	Black, DD.	2044	The Role of Artificial Intelligence in Healthcare Diagnostics
Gold, EE.	2045	The Impact of Space Exploration on Earth's Climate	Space Exploration and Earth's Climate	32	31	301-310	Gold, EE.	2045	The Impact of Space Exploration on Earth's Climate
Silver, FF.	2046	The Role of Quantum Computing in Cryptography	Quantum Computing in Cryptography	14	32	311-320	Silver, FF.	2046	The Role of Quantum Computing in Cryptography
Gold, GG.	2047	The Impact of Climate Change on Human Health	Human Health and Climate Change	23	33	321-330	Gold, GG.	2047	The Impact of Climate Change on Human Health
Black, HH.	2048	The Role of Artificial Intelligence in Education	Artificial Intelligence in Education	16	34	331-340	Black, HH.	2048	The Role of Artificial Intelligence in Education
Green, II.	2049	The Impact of Space Exploration on Earth's Environment	Space Exploration and Earth's Environment	34	35	341-350	Green, II.	2049	The Impact of Space Exploration on Earth's Environment
White, JJ.	2050	The Role of Quantum Computing in Financial Markets	Quantum Computing in Finance	13	36	351-360	White, JJ.	2050	The Role of Quantum Computing in Financial Markets
Black, KK.	2051	The Impact of Climate Change on Global Biodiversity	Global Biodiversity and Climate Change	26	37	361-370	Black, KK.	2051	The Impact of Climate Change on Global Biodiversity
Gold, LL.	2052	The Role of Artificial Intelligence in Cybersecurity	Artificial Intelligence in Cybersecurity	17	38	371-380	Gold, LL.	2052	The Role of Artificial Intelligence in Cybersecurity
Silver, MM.	2053	The Impact of Space Exploration on Human Spaceflight	Human Spaceflight and Space Exploration	36	39	381-390	Silver, MM.	2053	The Impact of Space Exploration on Human Spaceflight

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TY C&W Norm. Rev @ Current Rates (F	\$84,264,070
TY C&W Norm. Rev @ Current Rates (F	\$82,976,715
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Difference	\$1,287,355

Source: Att-ELM p4 (

Liberty Utilities (Energy/North Natural Gas) d/b/a Liberty

Base Distribution Rates

Line No	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = d + e + f	(i)	(j) = h + i	(k) = -e	(l) = j + k
	Rate				\$4M Increase for 12-mo delayed First Step effective 8/1/22-7/31/23	\$4M Increase for First Step effective 8/1/2022 - until next rate case	Calculated LDAC & COG	Proposed Rate Effective 8/1/22 (includes delayed step 1 adjustment)	\$2.1M Increase for Second Step adjustment effective 9/1/2022 - until next rate case	Proposed Rate Effective 9/1/22 including step 2 adjustment	\$4M Decrease for delayed first step full recovery effective 8/1/23	Proposed Rate Effective 8/1/23
Full Rate Code	Rate Code	Rate Type	Charge Type	Season	Block							
R-1_D_Cust_W_n/a	R-1_Cust Mo	D	Cust	W	n/a							
R-1_D_Cust_S_n/a	R-1_Cust Mo	D	Cust	S	n/a							
R-1_D_Energy_W_All	R-1_HB	D	Energy	W	All							
R-1_LDAC_Energy_W_all	R-1_HB	LDAC	Energy	W	all							
R-1_D_Energy_W_All	R-1_HB	D	Energy	W	All							
R-1_COE_Energy_W_HB		COG	Energy	W	HB							
R-1_D_Energy_S_All		D	Energy	S	All							
R-1_LDAC_Energy_S_all		LDAC	Energy	S	all							
R-1_D_Energy_S_All		D	Energy	S	All							
R-1_COE_Energy_S_all		COG	Energy	S	all							
R-3_D_Cust_W_n/a	R-3_Cust Mo	D	Cust	W	n/a							
R-3_D_Cust_S_n/a	R-3_Cust Mo	D	Cust	S	n/a							
R-3_D_Energy_W_All	R-3_HB	D	Energy	W	All							
R-3_LDAC_Energy_W_all	R-3_HB	LDAC	Energy	W	all							
R-3_D_Energy_W_All	R-3_HB	D	Energy	W	All							
R-3_COE_Energy_W_HB		COG	Energy	W	HB							
R-3_D_Energy_S_All		D	Energy	S	All							
R-3_LDAC_Energy_S_all		LDAC	Energy	S	all							
R-3_D_Energy_S_All		D	Energy	S	All							
R-3_COE_Energy_S_all		COG	Energy	S	all							
R-4_D_Cust_W_n/a	R-4_Cust Mo	D	Cust	W	n/a							
R-4_D_Cust_S_n/a	R-4_Cust Mo	D	Cust	S	n/a							
R-4_D_Energy_W_all	R-4_HB	D	Energy	W	all							
R-4_LDAC_Energy_W_all	R-4_HB	LDAC	Energy	W	all							
R-4_D_Energy_W_All	R-4_HB	D	Energy	W	All							
R-4_COE_Energy_W_HB		COG	Energy	W	HB							
R-4_D_Energy_S_all		D	Energy	S	all							
R-4_LDAC_Energy_S_all		LDAC	Energy	S	all							
R-4_D_Energy_S_All		D	Energy	S	All							
R-4_COE_Energy_S_all		COG	Energy	S	all							
G-41_D_Cust_W_n/a	G-41_Cust Mo	D	Cust	W	n/a							
G-41_D_Cust_S_n/a	G-41_Cust Mo	D	Cust	S	n/a							
G-41_D_Energy_W_HB	G-41_HB	D	Energy	W	HB							
G-41_LDAC_Energy_W_all	G-41_HB	LDAC	Energy	W	all							
G-41_D_Energy_W_TB	G-41_HB	D	Energy	W	TB							
G-41_COE_Energy_W_HB		COG	Energy	W	HB							
G-41_D_Energy_S_HB		D	Energy	S	HB							
G-41_LDAC_Energy_S_all		LDAC	Energy	S	all							
G-41_D_Energy_S_TB		D	Energy	S	TB							
G-41_COE_Energy_S_all		COG	Energy	S	all							
G-42_D_Cust_W_n/a	G-42_Cust Mo	D	Cust	W	n/a							
G-42_D_Cust_S_n/a	G-42_Cust Mo	D	Cust	S	n/a							
G-42_D_Energy_W_HB	G-42_HB	D	Energy	W	HB							
G-42_LDAC_Energy_W_all	G-42_HB	LDAC	Energy	W	all							
G-42_D_Energy_W_TB	G-42_HB	D	Energy	W	TB							
G-42_COE_Energy_W_HB		COG	Energy	W	HB							
G-42_D_Energy_S_HB		D	Energy	S	HB							
G-42_LDAC_Energy_S_all		LDAC	Energy	S	all							
G-42_D_Energy_S_TB		D	Energy	S	TB							
G-42_COE_Energy_S_all		COG	Energy	S	all							
G-43_D_Cust_W_n/a	G-43_Cust Mo	D	Cust	W	n/a							
G-43_D_Cust_S_n/a	G-43_Cust Mo	D	Cust	S	n/a							
G-43_D_Energy_W_All	G-43_HB	D	Energy	W	All							
G-43_LDAC_Energy_W_all	G-43_HB	LDAC	Energy	W	all							
G-43_D_Energy_W_All	G-43_HB	D	Energy	W	All							
G-43_COE_Energy_W_HB		COG	Energy	W	HB							
G-43_D_Energy_S_All		D	Energy	S	All							
G-43_LDAC_Energy_S_all		LDAC	Energy	S	all							
G-43_D_Energy_S_All		D	Energy	S	All							
G-43_COE_Energy_S_all		COG	Energy	S	all							
G-51_D_Cust_W_n/a	G-51_Cust Mo	D	Cust	W	n/a							
G-51_D_Cust_S_n/a	G-51_Cust Mo	D	Cust	S	n/a							
G-51_D_Energy_W_HB	G-51_HB	D	Energy	W	HB							
G-51_LDAC_Energy_W_all	G-51_HB	LDAC	Energy	W	all							
G-51_D_Energy_W_TB	G-51_HB	D	Energy	W	TB							
G-51_COE_Energy_W_HB		COG	Energy	W	HB							
G-51_D_Energy_S_HB		D	Energy	S	HB							
G-51_LDAC_Energy_S_all		LDAC	Energy	S	all							
G-51_D_Energy_S_TB		D	Energy	S	TB							
G-51_COE_Energy_S_all		COG	Energy	S	all							
G-52_D_Cust_W_n/a	G-52_Cust Mo	D	Cust	W	n/a							
G-52_D_Cust_S_n/a	G-52_Cust Mo	D	Cust	S	n/a							
G-52_D_Energy_W_HB	G-52_HB	D	Energy	W	HB							
G-52_LDAC_Energy_W_all	G-52_HB	LDAC	Energy	W	all							
G-52_D_Energy_W_TB	G-52_HB	D	Energy	W	TB							
G-52_COE_Energy_W_HB		COG	Energy	W	HB							
G-52_D_Energy_S_HB		D	Energy	S	HB							
G-52_LDAC_Energy_S_all		LDAC	Energy	S	all							
G-52_D_Energy_S_TB		D	Energy	S	TB							
G-52_COE_Energy_S_all		COG	Energy	S	all							
G-53_D_Cust_W_n/a	G-53_Cust Mo	D	Cust	W	n/a							
G-53_D_Cust_S_n/a	G-53_Cust Mo	D	Cust	S	n/a							
G-53_D_Energy_W_All	G-53_HB	D	Energy	W	All							
G-53_LDAC_Energy_W_all	G-53_HB	LDAC	Energy	W	all							

G-53_D_Energy_W_All	G-53_HB	D	Energy	W	All	94	G-53	Energy Charge	Charge for Therms over 1st	\$ 0.1697	\$	0.0061	\$	0.0061	\$	0.1819	\$	0.0032	\$	0.1851	\$	(0.0061)	\$	0.1790
G-53_COE_Energy_W_HB		COG	Energy	W	HB	95	G-53	Block Size	Cutoff for First Block	-	-				\$ 1.2087	\$	-			-	-			
G-53_D_Energy_S_All		D	Energy	S	All	96	G-53	Cost of Gas	Cost of Gas Rate	\$ 1.1814	\$	0.0061	\$	0.0061	\$	0.0936	\$	0.0032	\$	0.0968	\$	(0.0061)	\$	0.0907
G-53_LDAC_Energy_S_all		LDAC	Energy	S	all	97	G-53	Summer	Charge for 1st Therms	\$ 0.0814	\$				\$ 0.1055	\$								
G-53_D_Energy_S_All		D	Energy	S	All	98	G-53	LDAC Charge		\$ 0.0991	\$	0.0061	\$	0.0061	\$	0.0936	\$	0.0032	\$	0.0968	\$	(0.0061)	\$	0.0907
G-53_COE_Energy_S_all		COG	Energy	S	all	100	G-53	Energy Charge	Charge for Therms over 1st	\$ 0.0814	\$													
G-54_D_Cust_W_n/a	G-54_Cust Mo	D	Cust	W	n/a	101	G-53	Block Size	Cutoff for First Block	-	-				\$ 0.7000	\$								
G-54_D_Cust_S_n/a	G-54_Cust Mo	D	Cust	S	n/a	102	G-54	Cost of Gas	Cost of Gas Rate	\$ 0.6975	\$													
G-54_D_Energy_W_All	G-54_HB	D	Energy	W	All	103	G-54	Winter	Customer Charge	\$ 756.10	\$	32.77	\$	32.77	\$	821.64	\$	17.54	\$	839.19	\$	(32.77)	\$	806.42
G-54_LDAC_Energy_W_all	G-54_HB	LDAC	Energy	W	all	104	G-54	Summer	Customer Charge	\$ 756.10	\$	32.77	\$	32.77	\$	821.64	\$	17.54	\$	839.19	\$	(32.77)	\$	806.42
G-54_D_Energy_W_All	G-54_HB	D	Energy	W	All	105	G-54	Winter	Charge for 1st Therms	\$ 0.0648	\$	0.0023	\$	0.0023	\$	0.0693	\$	0.0012	\$	0.0705	\$	(0.0023)	\$	0.0682
G-54_COE_Energy_W_HB		COG	Energy	W	HB	106	G-54	LDAC Charge		\$ 0.0991	\$				\$ 0.1055	\$								
G-54_D_Energy_S_All		D	Energy	S	All	107	G-54	Energy Charge	Charge for Therms over 1st	\$ 0.0648	\$	0.0023	\$	0.0023	\$	0.0693	\$	0.0012	\$	0.0705	\$	(0.0023)	\$	0.0682
G-54_LDAC_Energy_S_all		LDAC	Energy	S	all	108	G-54	Block Size	Cutoff for First Block	-	-													
G-54_D_Energy_S_All		D	Energy	S	All	109	G-54	Cost of Gas	Cost of Gas Rate	\$ 1.1814	\$				\$ 1.2087	\$								
G-54_COE_Energy_S_all		COG	Energy	S	all	110	G-54	Summer	Charge for 1st Therms	\$ 0.0352	\$	0.0023	\$	0.0023	\$	0.0397	\$	0.0012	\$	0.0409	\$	(0.0023)	\$	0.0386
R-5_D_Cust_W_n/a	R-5_Cust Mo	D	Cust	W	n/a	111	G-54	LDAC Charge		\$ 0.0991	\$				\$ 0.1055	\$								
R-5_D_Cust_S_n/a	R-5_Cust Mo	D	Cust	S	n/a	112	G-54	Energy Charge	Charge for Therms over 1st	\$ 0.0352	\$	0.0023	\$	0.0023	\$	0.0397	\$	0.0012	\$	0.0409	\$	(0.0023)	\$	0.0386
R-5_D_Energy_W_All	R-5_HB	D	Energy	W	All	113	R-5	Block Size	Cutoff for First Block	-	-				\$ 0.7000	\$								
R-5_LDAC_Energy_W_all	R-5_HB	LDAC	Energy	W	all	114	R-5	Cost of Gas	Cost of Gas Rate	\$ 0.6975	\$													
R-5_D_Energy_W_All	R-5_HB	D	Energy	W	All	115	R-5	Winter	Customer Charge	\$ 20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01	\$	-	\$	20.01
R-5_COE_Energy_W_HB		COG	Energy	W	HB	116	R-5	Summer	Customer Charge	\$ 20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01	\$	-	\$	20.01
R-5_D_Energy_S_All		D	Energy	S	All	117	R-5	Winter	Charge for 1st Therms	\$ 0.4997	\$	0.0669	\$	0.0669	\$	0.6335	\$	0.0333	\$	0.6668	\$	(0.0669)	\$	0.5999
R-5_LDAC_Energy_S_all		LDAC	Energy	S	all	118	R-5	LDAC Charge		\$ 0.1318	\$	0.0669	\$	0.0669	\$	0.6335	\$	0.0333	\$	0.6668	\$	(0.0669)	\$	0.5999
R-5_D_Energy_S_All		D	Energy	S	All	119	R-5	Energy Charge	Charge for Therms over 1st	\$ 0.4997	\$	0.0669	\$	0.0669	\$	0.6335	\$	0.0333	\$	0.6668	\$	(0.0669)	\$	0.5999
R-5_COE_Energy_S_all		COG	Energy	S	all	120	R-5	Block Size	Cutoff for First Block	-	-													
R-6_D_Cust_W_n/a	R-6_Cust Mo	D	Cust	W	n/a	121	R-5	Cost of Gas	Cost of Gas Rate	\$ 0.6984	\$													
R-6_D_Cust_S_n/a	R-6_Cust Mo	D	Cust	S	n/a	122	R-6	Winter	Customer Charge	\$ 20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01	\$	-	\$	20.01
R-6_D_Energy_W_all	R-6_HB	D	Energy	W	all	123	R-6	Summer	Customer Charge	\$ 20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01	\$	-	\$	20.01
R-6_LDAC_Energy_W_all	R-6_HB	LDAC	Energy	W	all	124	R-6	Winter	Charge for 1st Therms	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
R-6_D_Energy_W_All	R-6_HB	D	Energy	W	All	125	R-6	LDAC Charge		\$ 0.1318	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
R-6_COE_Energy_W_HB		COG	Energy	W	HB	126	R-6	Energy Charge	Charge for Therms over 1st	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
R-6_D_Energy_S_all		D	Energy	S	all	127	R-6	Block Size	Cutoff for First Block	-	-													
R-6_LDAC_Energy_S_all		LDAC	Energy	S	all	128	R-6	Cost of Gas	Cost of Gas Rate	\$ 1.1829	\$													
R-6_D_Energy_S_All		D	Energy	S	All	129	R-6	Summer	Charge for 1st Therms	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
R-6_COE_Energy_S_all		COG	Energy	S	all	130	R-6	LDAC Charge		\$ 0.1318	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
R-7_D_Cust_W_n/a	R-7_Cust Mo	D	Cust	W	n/a	131	R-6	Energy Charge	Charge for Therms over 1st	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
R-7_D_Cust_S_n/a	R-7_Cust Mo	D	Cust	S	n/a	132	R-6	Block Size	Cutoff for First Block	-	-													
R-7_D_Energy_W_all	R-7_HB	D	Energy	W	all	133	R-6	Cost of Gas	Cost of Gas Rate	\$ 0.6984	\$													
R-7_LDAC_Energy_W_all	R-7_HB	LDAC	Energy	W	all	134	R-7	Winter	Customer Charge	\$ 11.01	\$	-	\$	-	\$	11.01	\$	-	\$	11.01	\$	-	\$	11.01
R-7_D_Energy_W_All	R-7_HB	D	Energy	W	All	135	R-7	Summer	Customer Charge	\$ 20.01	\$	-	\$	-	\$	20.01	\$	-	\$	20.01	\$	-	\$	20.01
R-7_COE_Energy_W_HB		COG	Energy	W	HB	136	R-7	Winter	Charge for 1st Therms	\$ 0.4027	\$	0.0252	\$	0.0252	\$	0.4531	\$	0.0130	\$	0.4661	\$	(0.0252)	\$	0.4409
R-7_D_Energy_S_all		D	Energy	S	all	137	R-7	LDAC Charge		\$ 0.1318	\$	0.0252	\$	0.0252	\$	0.4531	\$	0.0130	\$	0.4661	\$	(0.0252)	\$	0.4409
R-7_LDAC_Energy_S_all		LDAC	Energy	S	all	138	R-7	Energy Charge	Charge for Therms over 1st	\$ 0.4027	\$	0.0252	\$	0.0252	\$	0.4531	\$	0.0130	\$	0.4661	\$	(0.0252)	\$	0.4409
R-7_D_Energy_S_All		D	Energy	S	All	139	R-7	Block Size	Cutoff for First Block	-	-													
R-7_COE_Energy_S_all		COG	Energy	S	all	140	R-7	Cost of Gas	Cost of Gas Rate	\$ 0.6506	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
G-44_D_Cust_W_n/a	G-44_Cust Mo	D	Cust	W	n/a	141	R-7	Summer	Charge for 1st Therms	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
G-44_D_Cust_S_n/a	G-44_Cust Mo	D	Cust	S	n/a	142	R-7	LDAC Charge		\$ 0.1318	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
G-44_D_Energy_W_HB	G-44_HB	D	Energy	W	HB	143	R-7	Energy Charge	Charge for Therms over 1st	\$ 0.7322	\$	0.0458	\$	0.0458	\$	0.8238	\$	0.0237	\$	0.8475	\$	(0.0458)	\$	0.8017
G-44_LDAC_Energy_W_all	G-44_HB	LDAC	Energy	W	all	144	R-7	Block Size	Cutoff for First Block	-	-													
G-44_D_Energy_W_TB	G-44_HB	D	Energy	W	TB	145	R-7	Cost of Gas	Cost of Gas Rate	\$ 0.6984	\$													
G-44_COE_Energy_W_HB		COG	Energy	W	HB	146	R-7	Winter	Customer Charge	\$ 74.18	\$	3.23	\$	3.23	\$	80.64	\$	1.65	\$	82.29	\$	(3.23)	\$	79.06
G-44_D_Energy_S_all		D	Energy	S	all	147	G-44	Summer	Customer Charge	\$ 74.18	\$	3.23	\$	3.23	\$	80.64	\$	1.65	\$	82.29	\$	(3.23)	\$	79.06
G-44_LDAC_Energy_S_all		LDAC	Energy	S	all	148	G-44	Winter	Charge for 1st Therms	\$ 6.094	\$	0.0208	\$	0.0208	\$	0.6509	\$	0.0105	\$	0.6614	\$	(0.0208)	\$	0.6407
G-44_D_Energy_S_All		D	Energy	S	All	149	G-44	LDAC Charge		\$ 0.0991	\$	0.0208	\$	0.0208	\$	0.4510	\$	0.0105	\$	0.4614	\$	(0.0208)	\$	0.4406
G-45_D_Cust_W_n/a	G-45_Cust Mo	D	Cust	W	n/a	150	G-44	Energy Charge	Charge for Therms over 1st	\$ 0.4094	\$	0.0208	\$	0.0208	\$	0.4510	\$	0.0105	\$	0.4614	\$	(0.0208)	\$	0.4406
G-45_D_Cust_S_n/a	G-45_Cust Mo	D	Cust	S	n/a	151	G-44	Block Size	Cutoff for First Block	100						100								
G-45_D_Energy_W_HB	G-45_HB	D	Energy	W	HB	152	G-44	Cost of Gas	Cost of Gas Rate	\$ 1.1831	\$	0.0208	\$	0.0208	\$	0.6509	\$	0.0105	\$	0.6614	\$	(0.0208)	\$	0.6407
G-45_LDAC_Energy_W_all	G-45_HB	LDAC	Energy	W	all	153	G-44	Summer	Charge for 1st Therms	\$ 0.6094	\$	0.0208	\$	0.0208	\$	0.6509	\$	0.0105	\$	0.6614	\$	(0.0208)	\$	0.6407
G-45_D_Energy_W_TB	G-45_HB	D	Energy	W	TB	154	G-44	LDAC Charge		\$ 0.0991	\$	0.0208	\$	0.0208	\$	0.4510	\$	0.0105	\$	0.4614	\$	(0.0208)	\$	0.4406
G-45_COE_Energy_W_HB		COG	Energy	W	HB	155	G-44	Energy Charge	Charge for Therms over 1st	\$ 0.4094	\$	0.0208	\$	0.0208	\$	0.4510	\$	0.0105	\$	0.4614	\$	(0.0208)	\$	0.4406
G-45_D_Energy_S_all		D	Energy	S	all	156	G-44	Block Size	Cutoff for First Block	20						20								
G-45_LDAC_Energy_S_all		LDAC	Energy	S	all	157	G-44	Cost of Gas	Cost of Gas Rate	\$ 0.6991	\$													
G-45_D_Energy_S_All		D	Energy	S	All	158	G-45	Winter	Customer Charge	\$ 222.55	\$	9.64	\$	9.64	\$	241.83	\$	4.95	\$	246.78	\$	(9.64)	\$	237.14
G-46_D_Cust_W_n/a	G-46_Cust Mo	D	Cust	W	n/a	159	G-45	Summer	Customer Charge	\$ 222.55	\$	9.64	\$	9.64	\$	241.83	\$	4.95	\$	246.78	\$	(9.64)	\$	237.14
G-46_D_Cust_S_n/a	G-46_Cust Mo	D	Cust	S	n/a	160	G-45	Winter	Charge for 1st Therms	\$ 0.5539	\$	0.0193	\$	0.0193	\$	0.5925	\$	0.0098	\$	0.6023	\$	(0.0193)	\$	0.5830
G-46_D_Energy_W_All	G-46_HB	D	Energy	W	All	161	G-45	LDAC Charge		\$ 0.0991	\$	0.0193	\$	0.0193	\$	0.4077	\$	0.0098	\$	0.4175	\$	(0.0193)	\$	0.3982
G-46_LDAC_Energy_W_all	G-46_HB	LDAC	Energy	W	all																			

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