

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
D/B/A LIBERTY
DG 23-076
WINTER 2023-2024 COST OF GAS RESULTS

Summary Page 1

2330 Cost of Gas Reconciliation Report
For the six months ended April 30, 2024 peak season

		1/ Original Filing	Actual	Difference
1	Peak Gas cost Account 130800-11174001			
2	Beginning Balance 5/1/23 – (Over) / Under	\$ 3,674,198	\$ (8,577,690)	\$ (12,251,888)
3				
4	Net Peak Gas Costs 5/1/23 – 10/31/23	\$ 4,143,480	\$ 5,232,860	\$ 1,089,380
5	Fuel Financing 5/1/23 – 10/31/23	-	-	-
6	Seasonal Correcting Entry	-	12,131,927	12,131,927
7	Return on Inventory	-	-	-
8	Broker Revenue 5/1/23 – 10/31/23	-	-	-
9	IT Sales Margins 5/1/23 – 10/31/23	-	-	-
10	Off System Sales Margin 5/1/23 – 10/31/23	-	-	-
11	Capacity Release 5/1/23 – 10/31/23	-	-	-
12	Interest 5/1/23 – 10/31/23	238,902	(238,210)	(477,112)
13	Sum 5/1/23 – 10/31/23 Net Costs	\$ 4,382,381	\$ 17,126,577	\$ 12,744,195
14				
15	Ending Balance 10/31/23 (Over)/Under	\$ 8,056,580	\$ 8,548,887	\$ 492,307
16				
17	Interest 11/1/23 – 4/30/24	2/ \$ 255,725	\$ 927,526	\$ 671,801
18				
19	Refund from Suppliers 11/1/23 – 4/30/24	\$ -	\$ -	\$ -
20				
21	Return on Inventory	\$ 861,872	\$ 861,872	\$ (0)
22				
23	Interruptible and 280-Day Sales Margins 11/1/23 – 4/30/24	\$ -	\$ -	\$ -
24				
25	Hedging costs	\$ -	\$ -	\$ -
26				
27	Off System Sales Margin 11/1/23 – 4/30/24	\$ -	\$ -	\$ -
28				
29	Capacity Release Credits 11/1/23 – 4/30/24	\$ (2,860,948)	\$ (2,159,873)	\$ 701,075
30				
31	Fixed Price Option Admin Costs	3/ \$ -	\$ 62,993	\$ 62,993
32				
33	Broker Revenues 11/1/23 – 4/30/24	\$ (1,340,480)	\$ (206,870)	\$ 1,133,609
34				
35	Production & Storage	\$ 3,685,458	\$ 3,685,458	\$ -
36				
37	Gas Assistance Plan	\$ -	\$ (627,121)	
38				
39	Seasonal Correcting Entry	\$ -	\$ -	\$ -
40				
41	Net Transportation Cost of Gas	\$ (120,926)	\$ -	\$ 120,926
42				
43	Total Adjustment to Costs	\$ (3,662,778)	\$ 2,543,985	\$ 6,206,763
44				
45	Gas Costs 11/1/23 – 4/30/24	\$ 71,529,398	\$ 38,074,292	\$ (33,455,106)
46				
47	Total Gas Costs and Adjustments 11/1/23 – 4/30/24	\$ 67,866,620	\$ 40,618,276	\$ (27,248,343)
48				
49	Gas Cost Billed	\$ (75,923,199)	\$ (48,799,687)	\$ 27,123,513
50				
51	Total (Over) / Under 4/30/24	\$ -	\$ 367,476	\$ 367,476

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2330 Cost of Gas Reconciliation Report
For the six months ended April 30, 2024 peak season

		1/ Original Filing		Actual		Difference
52	Bad Debts Accounts 130804-11174003					
53						
54	Beginning Balance 5/1/23 – (Over) / Under	\$	(389,248)	\$	(389,248)	\$ -
55	BD Net Costs 5/1/23 – 10/31/23		(55,801)		383	56,185
56	Interest 5/1/23 – 10/31/23		(18,748)		(18,252)	496
57	Ending Balance 10/31/23 (Over)/Under	\$	(463,798)	\$	(407,117)	\$ 56,681
58						
59	Bad Debt Costs 11/1/23 – 4/30/24	\$	164,831	\$	81,724	\$ (83,107)
60						
61	Bad Debt COG Billed		310,458	\$	172,576	\$ (137,882)
62						
63	Adjustment	\$	-	\$	-	\$ -
64						
65	Interest	\$	(11,491)	\$	(12,948)	\$ (1,457)
66						
67	Total (Over) / Under 4/30/24	\$	0	\$	(165,765)	\$ (165,765)
68	Working Capital Account 130801-11142004					
69						
70	Beginning Balance 5/1/23 – (Over) / Under	\$	(162,369)	\$	(162,369)	\$ -
71	WC Net Costs 5/1/23 – 10/31/23		(763)		(827)	(63)
72	Interest 5/1/23 – 10/31/23		(7,387)		(7,809)	(423)
73	Ending Balance 10/31/23 (Over)/Under	\$	(170,519)	\$	(171,005)	\$ (486)
74						
75	Working Capital Costs 11/1/23 – 4/30/24	\$	402,273	\$	213,982	\$ (188,291)
76						
77	Working Capital CGA Billed		(227,533)	\$	(180,701)	\$ 46,833
78						
79	Adjustment	\$	-	\$	-	\$ -
80						
81	Interest	\$	(4,220)	\$	(5,968)	\$ (1,748)
82						
83	Total (Over) / Under 4/30/24	\$	-	\$	(143,692)	\$ (143,692)
84						
85	Total 130800-11174001, 130804-11174003, 130801-11142004	\$	0	\$	58,019	\$ 58,019

1/ As filed 10/23/2023 in the Winter portion of the 2023–2024 Cost of Gas DG 23-076.

2/ Actual reflects initial calculation of adjustment to interest per Order 26,898 (Oct. 31, 2023); subject to revision after ordered discussions with DOE and OCA are completed.

3/ Only the costs for mailing the first FPO letter for Winter 2023-2024 are included. No costs from the second mailing are included, per Order 26,898 (Oct. 31, 2023).

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WINTER 2023-2024 COST OF GAS RESULTS
SUMMARY OF DEMAND CHARGES FOR PERIOD

	<u>Filing</u>	<u>Actual</u>	<u>Difference</u>
1 Supplies:			
2 Niagara Supply			
3 Citadel			
4 Emera			
5 Subtotal Supply Demand	\$ -	\$ 643,581	\$ (643,581)
6			
7 Pipelines:			
8 Iroquois Gas Trans Service RTS 470-0	\$ 117,508	\$ 113,106	\$ 4,402
9 Dominion - 300076	-	30,888	(30,888)
10 Honeoyo EN-11234	-	56,660	(56,660)
11 Tenn Gas Pipeline 95346 Z5-Z6	146,172	180,450	(34,278)
12 Tenn Gas Pipeline 2302 Z5-Z6	114,087	117,597	(3,510)
13 Tenn Gas Pipeline 8587 Z0-Z6	831,385	2,517,951	(1,686,566)
14 Tenn Gas Pipeline 8587 Z1-Z6	1,527,769	-	1,527,769
15 Tenn Gas Pipeline 8587 Z4-Z6	158,464	-	158,464
16 Tenn Gas Pipeline (Dracut) 42076 Z6-Z6	971,376	480,147	491,229
17 Tenn Gas Pipeline (Dracut) 358905 Z6-Z7	971,376	931,856	39,520
18 Tenn Gas Pipeline (Concord Lateral) Z6-Z6	4,397,652	2,213,755	2,183,897
19 Portland Natural Gas Trans Service	109,580	793,440	(683,860)
20 Portland Natural Gas	683,828	-	683,828
21 ANE (TransCanada via Union to Iroquois)	309,732	-	309,732
22 TransCanada via Union to Portland	588,517	-	588,517
23 Tenn Gas Pipeline 523	-	323,747	(323,747)
24 Tenn Gas Pipeline Z4-Z6 stg 632	1,269,456	761,429	508,027
25 Tenn Gas Pipeline Z4-Z6 stg 11234	588,948	473,637	115,310
26 Tenn Gas Pipeline Z5-Z6 stg 11234	143,029	-	143,029
27 Dominion - stg 300076	-	2,248	(2,248)
28 TGP FSMA stg	-	10,666	(10,666)
29 National Fuel stg	-	32,683	(32,683)
30 National Fuel FST 2358	367,161	529,306	(162,146)
31 Subtotal Pipeline Demand	\$ 13,296,039	\$ 9,569,568	\$ 3,726,471
32			
33 Peaking Supply			
34 Constellation Demand			
35 Demand FLS			
36			
Subtotal Peaking Supply	\$ 1,550,000	\$ 2,591,121	\$ (1,041,121)
37 Propane			
38 Energy North Propane	\$ -	\$ -	\$ -
39			
40 Storage:			
41 Demand & Capacity Charges	\$ 1,001,699	\$ -	\$ 1,001,699
42			
43 Other:			
44 Capacity Managed	\$ (4,339,348)	\$ (2,159,873)	\$ (2,179,475)
45 Broker Invoices	\$ -	\$ (163,833)	\$ 163,833
46			
47 Total Demand Charges (Forward to Page 4)	<u>\$ 11,508,390</u>	<u>\$ 10,480,564</u>	<u>\$ 1,027,825</u>

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SUMMARY OF COMMODITY COSTS FOR PERIOD

	<u>Filing</u>	<u>Average Cost per Therm</u>	<u>Actual</u>	<u>Average Cost per Therm</u>	<u>Difference</u>	
1 Demand Charges (Brought from Page 3):	\$ 11,508,390		\$ 10,480,564		(\$1,027,825)	
2						
3						
4 <u>TGP Gulf Commodity</u>						
5 Therms						
6 Cost						
7						
8 <u>Dawn Supply</u>						
9 Therms						
10 Cost						
11						
12 <u>Dracut Commodity</u>						
13 Therms						
14 Cost						
15						
16 <u>PNGTS Commodity</u>						
17 Therms						
18 Cost						
19						
20 <u>TGP/Niagara Purchases for Sendout</u>						
21 Therms						
22 Cost						
23						
24 <u>Enbridge/TC Energy Purchases for Sendout Combo</u>						
25 Therms						
26 Cost						
27						
28 <u>TGP/Niagara/Union Commodity</u>						
29 Therms						
30 Cost						
31						
32 <u>City Gate Delivered Supply</u>						
33 Therms						
34 Cost						
35						
36 <u>Storage Gas - Commodity Injected</u>						
37 Therms						
38 Cost						
39						
40 <u>Propane P/S Plant Commodity</u>						
41 Therms						
42 Cost						
43						
44 <u>Propane Off System Sales</u>						
45 Therms						
46 Cost						
47						
48 <u>LNG P/S Plant & Commodity</u>						
49 Therms						
50 Cost						
51						
52 <u>Hedging (Gains) Losses</u>						
53						
54 <u>Other- Boil Off, LNG, LPG, Berlin OBA</u>						
55 Therms						
56 Cost						
57						
58 Other Costs						
59						
60 Subtotal:						
61 Volumes (net of fuel retention)	94,459,064		81,653,073		(12,805,992)	
62 Cost	\$ 59,033,914	0.6250	\$ 28,845,341	0.3533	\$ (30,188,573)	(0.2717)
63						
64 Total Demand and Commodity Costs	\$ 70,542,303		\$ 39,325,905		\$ (31,216,398)	
65						
66						
67 Demand (therms):	94,459,064		81,653,073		(12,805,992)	
68						
69 Firm Gas Sales	94,459,064		115,826,697		21,367,632	
70						
71 Lost Gas (Unaccounted For)	3,674,458		3,176,305		(498,153)	
72 Unbilled Therms	(3,879,201)		(37,554,672)		(33,675,471)	
73						
74 Fuel Retention	-		-		-	
75 Company Use	204,743		204,743		-	
76 Total Demand	94,459,064		81,653,073		(12,805,992)	

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		(A) <u>Actual</u> <u>Volume</u>	(B) <u>Normal</u> <u>Volume</u>	(C) <u>Actual</u> <u>Rate</u>	(A-B)*C <u>Difference</u>				
1	<u>Weather Variance - Volume Impact</u>								
2	TGP Gulf Commodity	[REDACTED]							
3	Dawn Supply								
4	Dracut Commodity								
5	PNGTS Commodity								
6	TGP/Niagara Purchases for Sendout								
7	Enbridge/TC Energy Purchases for Sendout Combo								
8	TGP/Niagara/Union Commodity								
9	City Gate Delivered Supply								
10	Storage Gas - Commodity Injected								
11	Propane P/S Plant Commodity								
12	Propane Off System Sales								
13	LNG P/S Plant & Commodity								
14	Other- Boil Off, LNG, LPG, Berlin OBA								
15	Total Volume Weather Variance					81,653,073	77,242,343	\$	1,082,720
16									
17									
18									
19									
20	<u>Volume Variance - Commodity Costs</u>								
21									
22	TGP Gulf Commodity	[REDACTED]							
23	Dawn Supply								
24	Dracut Commodity								
25	PNGTS Commodity								
26	TGP/Niagara Purchases for Sendout								
27	Enbridge/TC Energy Purchases for Sendout Combo								
28	TGP/Niagara/Union Commodity								
29	City Gate Delivered Supply								
30	Storage Gas - Commodity Injected								
31	Propane P/S Plant Commodity								
32	Propane Off System Sales								
33	LNG P/S Plant & Commodity								
34	Other- Boil Off, LNG, LPG, Berlin OBA								
35	Total Demand Variance (Less Fuel Retention)					94,459,064	81,653,073		
36									
37	<u>Volume Variance Net of Weather Variance</u>				\$ (38,681,541)				
38									
39									
40									
41									
42									
43	<u>Rate Variance - Commodity Costs</u>								
44	TGP Gulf Commodity	[REDACTED]							
45	Dawn Supply								
46	Dracut Commodity								
47	PNGTS Commodity								
48	TGP/Niagara Purchases for Sendout								
49	Enbridge/TC Energy Purchases for Sendout Combo								
50	TGP/Niagara/Union Commodity								
51	City Gate Delivered Supply								
52	Storage Gas - Commodity Injected								
53	Propane P/S Plant Commodity								
54	Propane Off System Sales								
55	LNG P/S Plant & Commodity								
56	Other- Boil Off, LNG, LPG, Berlin OBA								
57	Total Commodity Cost Rate Variance					81,653,073		\$	7,410,248
58									
59	Demand Charge Variance (from page 3)				1,027,825				
60									
61	Other Rate Variance (from page 4)								
62	Hedging (Gains)/Losses				0				
63	Cashout, Broker Penalty, Canadian Managed, Prior Period Adjustments				<u>0</u>				
64									
65	Total Rate Variance			\$	8,438,073				
66									
67	Due to Weather Variance				1,082,720				
68									
69	Due to Volume Variance (from above)				<u>(37,598,821)</u>				
70									
71	Total Gas Cost Variance			\$	<u>(28,078,027)</u>				

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WINTER 2023-2024 COST OF GAS RESULTS

	<u>FILING</u>	<u>ACTUAL</u>
1 Cost of Propane	\$ 1,253,503	\$ 377,277
2 Cost of LNG	<u>6,016,038</u>	<u>3,010,177</u>
3 Total Costs	7,269,540	3,387,455
4 Percentage of Supplies Used For Pressure Support Purposes	8.7%	8.7%
5 Cost of Supplies Used For Pressure Support Purposes	<u>632,450</u>	<u>294,709</u>
6		
7 Firm Therms Sold	94,568,321	75,783,012
8		
9 Firm Therms Transported	<u>43,224,605</u>	<u>40,043,685</u>
10 Total Therms	137,792,926	115,826,697
11		
12 Actual Liquid Cost/Therm	0.0046	0.0025
13		
14 Firm Therms Transported	<u>43,224,605</u>	<u>40,043,685</u>
15		
16 Liquid Costs Allocated to Transported Therms	198,395	101,887
17		
18 Prior (Over) or under Collection	<u>(120,566)</u>	<u>(120,566)</u>
19 Total	<u>77,829</u>	<u>(18,679)</u>
20		
21 Costs Recovered:		
22		
23 Therms Transported	43,224,605	40,043,685
24 Recovery Rate	<u>0.0018</u>	<u>0.0018</u>
25 Costs Recovered	<u>77,829</u>	<u>72,101</u>
26		
27 (Over) / Under Collection For Period	(0)	(90,781)