

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.  
D/B/A LIBERTY  
DG 22-045

Summary Page 1

SUMMER 2023 COST OF GAS RESULTS

2330 Cost of Gas Reconciliation Report  
For the six months ended October 31, 2023 off-peak season

		Original Filing 1/		Actual		Difference
1	<b>Off Peak Gas cost Account 1920-1741</b>					
2	Beginning Balance 11/1/22 – (Over) / Under	\$	10,637,079	\$	14,395,791	\$ 3,758,712
3						
4	Net Off-Peak Gas Costs 11/1/22 – 4/30/23	\$	-	\$	7,337,564	\$ 7,337,564
5	Fuel Financing 11/1/22 – 4/30/23		-		-	-
6	Prior Period Adjustment 11/1/22 – 4/30/23		-		(4,196,806)	(4,196,806)
7	Return on Inventory		-		-	-
8	Broker Revenue 11/1/22 – 4/30/23		-		-	-
9	IT Sales Margins 11/1/22 – 4/30/23		-		-	-
10	Off System Sales Margin 11/1/22 – 4/30/23		-		-	-
11	Capacity Release 11/1/22 – 4/30/23		-		-	-
12	Interest 11/1/22 – 4/30/23		293,432		551,854	258,423
13	Sum 11/1/22 – 4/30/23 Net Costs	\$	293,432	\$	3,692,612	\$ 3,399,181
14						
15	Ending Balance 4/30/23 (Over)/Under	\$	10,930,511	\$	18,088,404	\$ 7,157,893
16						
17	Interest 5/1/23 – 10/31/23	\$	147,811	\$	401,820	\$ 254,010
18						
19	Refund from Suppliers 5/1/23 – 10/31/23	\$	-	\$	-	\$ -
20						
21	Return on Inventory	\$	-	\$	-	\$ -
22						
23	Interruptible and 280-Day Sales Margins 5/1/23 – 10/31/23	\$	-	\$	-	\$ -
24						
25	Hedging costs	\$	-	\$	-	\$ -
26						
27	Off System Sales Margin 5/1/23 – 10/31/23	\$	-	\$	-	\$ -
28						
29	Capacity Release Credits 5/1/23 – 10/31/23	\$	-	\$	-	\$ -
30						
31	Fixed Price Option Admin Costs	\$	-	\$	-	\$ -
32						
33	Broker Revenues 5/1/23 – 10/31/23	\$	-	\$	-	\$ -
34						
35	Production & Storage	\$	-	\$	-	\$ -
36						
37	Gas Assistance Plan	\$	-	\$	-	\$ -
38						
39	Misc. Overhead	\$	-	\$	(12,131,927)	\$ (12,131,927)
40						
41						
42	Net Transportation Cost of Gas	\$	-	\$	-	\$ -
43						
44	Total Adjustment to Costs	\$	147,811	\$	(11,730,106)	\$ (11,877,917)
45						
46	Gas Costs 5/1/23 – 10/31/23	\$	12,557,918	\$	3,534,276	\$ (9,023,642)
47						
48	Total Gas Costs and Adjustments 5/1/23 – 10/31/23	\$	12,705,729	\$	(8,195,830)	\$ (20,901,559)
49						
50	Gas Cost Billed	\$	(24,286,383)	\$	(20,101,576)	\$ 4,184,807
51						
52	Total (Over) / Under 10/31/23	\$	(650,143)	\$	(10,209,003)	\$ (9,558,860)
53	<b>Bad Debts Accounts 1163-1754</b>					
54						
55	Beginning Balance 11/1/22 – (Over) / Under	\$	337,560	\$	758,564	\$ 421,004
56	BD Net Costs 11/1/22 – 4/30/23		-		(88,241)	(88,241)
57	Interest 11/1/22 – 4/30/23		9,312		25,570	16,258
58	Ending Balance 4/30/23 (Over)/Under	\$	346,872	\$	695,893	\$ 349,022
59						
60	Bad Debt Costs 5/1/23 – 10/31/23	\$	200,572	\$	(14,277)	\$ (214,849)
61						
62	Bad Debt COG Billed	\$	-	\$	-	\$ -
63						
64	Adjustment	\$	-	\$	-	\$ -
65						
66	Interest	\$	4,590	\$	29,545	\$ 24,955
67						
68	Total (Over) / Under 10/31/23	\$	552,034	\$	711,161	\$ 159,127

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.  
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SUMMER 2023 COST OF GAS RESULTS

Summary Page 2

2330 Cost of Gas Reconciliation Report  
For the six months ended October 31, 2023 off-peak season

		<u>Original Filing 1/</u>		<u>Actual</u>		<u>Difference</u>
69	<b>Working Capital Account 1163-1424</b>					
70						
71	Beginning Balance 11/1/22 – (Over) / Under	\$ 47,458		\$ 86,896		\$ 39,438
72	WC Net Costs 11/1/22 – 4/30/23	-		(23,006)		(23,006)
73	Interest 11/1/22 – 4/30/23	1,309		2,568		1,259
74	Ending Balance 4/30/23 (Over)/Under	\$ 48,767		\$ 66,458		\$ 17,691
75						
76	Working Capital Costs 5/1/23 – 10/31/23	\$ 48,670		\$ (50,830)		\$ (99,499)
77						
78	Working Capital CGA Billed	\$ -				\$ -
79						
80	Adjustment	\$ -		\$ -		\$ -
81						
82	Interest	\$ 673		\$ 1,786		\$ 1,113
83						
84	Total (Over) / Under 10/31/23	\$ 98,110		\$ 17,414		\$ (80,695)
85						
86	<b>Total 1920-1741, 1163-1754, 1163-1424</b>	\$ 0		\$ (9,480,427)		\$ (9,480,427)

1/ As filed 10/07/2022 in the Summer portion of the 2022–2023 Cost of Gas DG 22-045.

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SUMMER 2023 COST OF GAS RESULTS  
SUMMARY OF DEMAND CHARGES FOR PERIOD

Summary Page 3

REDACTED

	<u>Filing</u>	<u>Actual</u>	<u>Difference</u>
1 <b>Supplies:</b>			
2 Niagara Supply			
3 BP Energy			
4 Emera			
5 Subtotal Supply Demand	\$ -	\$ 1,007,523	\$ (1,007,523)
6			
7 <b>Pipelines:</b>			
8 Iroquois Gas Trans Service RTS 470-0	\$ 127,133	\$ 115,292	\$ 11,842
9 Tenn Gas Pipeline 95346 Z5-Z6	323,664	146,172	177,492
10 Tenn Gas Pipeline 2302 Z5-Z6	142,143	114,815	27,328
11 Tenn Gas Pipeline 8587 Z0-Z6	841,106	2,570,999	(1,729,893)
12 Tenn Gas Pipeline 8587 Z1-Z6	1,545,653	-	1,545,653
13 Tenn Gas Pipeline 8587 Z4-Z6	163,995	-	163,995
14 Tenn Gas Pipeline (Dracut) 42076 Z6-Z6	-	-	-
15 Tenn Gas Pipeline (Dracut) 358905 Z6-Z7	-	-	-
16 Tenn Gas Pipeline (Concord Lateral) Z6-Z6	-	-	-
17 Portland Natural Gas Trans Service	109,580	809,969	(700,390)
18 ANE (TransCanada via Union to Iroquois)	327,989	-	327,989
19 Portland Natural Gas	683,828	-	683,828
20 TransCanada via Union to Portland	624,542	-	624,542
21 Tenn Gas Pipeline Z4-Z6 stg 632	-	-	-
22 Tenn Gas Pipeline Z4-Z6 stg 11234	-	-	-
23 Tenn Gas Pipeline Z5-Z6 stg 11234	-	-	-
24 National Fuel FST 2358	-	-	-
25 Subtotal Pipeline Demand	\$ 4,889,632	\$ 3,757,246	\$ 1,132,386
26			
32 <b>Propane</b>			
33 Energy North Propane	\$ -	\$ -	\$ -
34			
35 <b>Storage:</b>			
36 Demand & Capacity Charges	\$ -	\$ -	\$ -
37			
38 <b>Other:</b>			
39 Capacity Managed	\$ (1,656,118)	\$ (3,069,734)	\$ 1,413,616
40 Pipeline Refunds	\$ -	\$ -	\$ -
41			
42 <b>Total Demand Charges (Forward to Page 4)</b>	<u>\$ 3,233,514</u>	<u>\$ 1,695,036</u>	<u>\$ 1,538,478</u>

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.  
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SUMMER 2023 COST OF GAS RESULTS  
SUMMARY OF COMMODITY COSTS FOR PERIOD

Summary Page 4

REDACTED

	<u>Filing</u>	Average Cost per <u>Therm</u>	<u>Actual</u>	Average Cost per <u>Therm</u>	<u>Difference</u>	
1 Demand Charges (Brought from Page 3):	\$ 3,233,514		\$ 1,695,036		(\$1,538,478)	
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 &amp; 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)	26,067,561		16,560,761		(9,506,800)	
62 Cost	\$ 9,350,399	0.3587	\$ 2,094,311	0.1265	\$ (7,256,087)	(0.2322)
63						
64 Total Demand and Commodity Costs	\$ 12,583,913		\$ 3,789,347		\$ (8,794,565)	
65						
66						
67 Demand (therms):	26,067,561		16,560,761		(9,506,800)	
68						
69 Firm Gas Sales	26,067,561		39,057,522		12,989,961	
70						
71 Lost Gas (Unaccounted For)	612,588		389,178		(223,410)	
72 Unbilled Therms	(642,186)		(22,915,538)		(22,273,351)	
73						
74 Fuel Retention	-		-		-	
75 Company Use	29,599		29,599		-	
76 Total Demand	26,067,561		16,560,761		(9,506,800)	

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REDACTED

	(A) Actual Volume	(B) Normal Volume	(C) Actual Rate	(A-B)*C Difference
<b>1 Weather Variance - Volume Impact</b>				
2 TGP Gulf Commodity				
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	16,560,761	18,061,863	\$	-
	(A) Forecast Volume	(B) Actual Volume	(C) Forecast Rate	(B-A)*C Difference
<b>16 Volume Variance - Commodity Costs</b>				
17 TGP Gulf Commodity				
18 Dawn Supply				
19 Dracut Commodity				
20 PNGTS Commodity				
21 TGP/Niagara Purchases for Sendout				
22 Enbridge/TC Energy Purchases for Sendout Combo				
23 TGP/Niagara/Union Commodity				
24 City Gate Delivered Supply				
25 Storage Gas - Commodity Injected				
26 Propane P/S Plant Commodity				
27 Propane Off System Sales				
28 LNG P/S Plant & Commodity				
29 Other- Boil Off, LNG, LPG, Berlin OBA				
30 Total Demand Variance (Less Fuel Retention)	26,067,561	16,560,761		
31 <b>Volume Variance Net of Weather Variance</b>			\$	18,149,385
	(A) Actual Volume	(B) Forecast Rate	(C) Actual Rate	(C-B)*A Difference
<b>37 Rate Variance - Commodity Costs</b>				
38 TGP Gulf Commodity				
39 Dawn Supply				
40 Dracut Commodity				
41 PNGTS Commodity				
42 TGP/Niagara Purchases for Sendout				
43 Enbridge/TC Energy Purchases for Sendout Combo				
44 TGP/Niagara/Union Commodity				
45 City Gate Delivered Supply				
46 Storage Gas - Commodity Injected				
47 Propane P/S Plant Commodity				
48 Propane Off System Sales				
49 LNG P/S Plant & Commodity				
50 Other- Boil Off, LNG, LPG, Berlin OBA				
51 Total Commodity Cost Rate Variance	16,560,761		\$	(24,896,870)
52 Demand Charge Variance (from page 3)				1,538,478
53 Other Rate Variance (from page 4)				
54 Hedging (Gains)/Losses				0
55 Cashout, Broker Penalty, Canadian Managed, Prior Period Adjustments				0
56 Total Rate Variance			\$	(23,358,392)
57 Due to Weather Variance				-
58 Due to Volume Variance (from above)				18,149,385
59 Total Gas Cost Variance			\$	(5,209,006)