

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
D/B/A LIBERTY
WINTER 2022-2023 COST OF GAS RESULTS
DG 22-045

Summary Page 1

2330 Cost of Gas Reconciliation Report
For the six months ended April 30, 2023 peak season

	Original Filing 1/	Actual	Difference
1 Peak Gas cost Account 1920-1740			
2 Beginning Balance 05/01/22 – (Over) / Under	\$ 5,378,797	\$ 5,378,797	\$0
3			
4 Net Peak Gas Costs 5/1/22 – 10/31/22	(3,919,643)	\$ (8,663,378)	(4,743,735)
5 Fuel Financing 5/1/22 – 10/31/22	-	\$ -	-
6 Prior Period Adjustment 5/1/22 – 10/31/22	-	\$ -	-
7 Return on Inventory	-	\$ -	-
8 Broker Revenue 5/1/22 – 10/31/22	-	\$ -	-
9 IT Sales Margins 5/1/22 – 10/31/22	-	\$ -	-
10 Off System Sales Margin 5/1/22 – 10/31/22	-	\$ -	-
11 Capacity Release 5/1/22 – 10/31/22	-	\$ -	-
12 Interest 5/1/22 – 10/31/22	19,641	\$ (1,582)	(21,223)
13 Sum 5/1/22 – 10/31/22 Net Costs	(3,900,002)	\$ (8,664,960)	(\$4,764,958)
14			
15 Ending Balance 10/31/22 (Over)/Under	1,478,795	\$ (3,286,163)	(\$4,764,958)
16			
17 Interest 11/1/22 – 4/30/23	(283,633)	\$ (424,323)	(140,690)
18			
19 Refund from Suppliers 11/1/22 – 4/30/23	-	\$ -	-
20			
21 Return on Inventory	515,609	\$ 500,438	(15,171)
22			
23 Interruptible and 280-Day Sales Margins 11/1/22 – 4/30/23	-	\$ -	-
24			
25 Hedging costs	-	\$ -	-
26			
27 Off System Sales Margin 11/1/22 – 4/30/23	-	\$ -	-
28			
29 Capacity Release Credits 11/1/22 – 4/30/23	(1,676,512)	\$ (2,065,600)	(389,088)
30			
31 Fixed Price Option Admin Costs	59,917	\$ -	(59,917)
32			
33 Broker Revenues 11/1/22 – 4/30/23	(3,600)	\$ (2,158,152)	(2,154,551)
34			
35 Production & Storage	3,685,458	\$ 3,685,458	0
36			
37 Gas Assistance Plan	0	\$ (1,148,580)	-
38			
39 Misc Overhead	0	\$ -	-
40			
41			
42 Net Transportation Cost of Gas	(422,021)	\$ (120,566)	301,455
43			
44 Total Adjustment to Costs	7,273,654	\$ (1,731,325)	(\$9,004,979)
45			
46 Gas Costs 11/1/22 – 4/30/23	\$ 124,021,383	\$ 69,211,329	(\$54,810,054)
47			
48 Total Gas Costs and Adjustments 11/22 – 04/23	\$131,295,038	\$ 67,480,005	(\$63,815,033)
49			
50 Gas Cost Billed	(\$132,773,833)	\$ (72,771,532)	\$60,002,301
51			
52 Total (Over) / Under 04/30/23	\$0	\$ (8,577,690)	\$ (8,577,690)
53 Bad Debts Accounts 1920-1743			
54			
55 Beginning Balance 05/01/22 – (Over) / Under	(\$170,565 51)	\$ (170,566)	\$0
56 BD Net Costs 5/1/22 – 10/31/22	(83,106)	\$ (83,106)	-
57 Interest 5/1/22 – 10/31/22	(5,753)	\$ (5,753)	-
58 Ending Balance 10/31/22 (Over)/Under	(\$259,425)	\$ (259,425)	\$0
59			
60 Bad Debt Costs 11/1/22 – 4/30/23	533,877	\$ 562,335	28,458
61			
62 Bad Debt COG Billed	(266,006)	\$ (756,810)	(490,804)
63			
64 Adjustment	-	\$ 72,004	72,004
65			
66 Interest	(8,447)	\$ (7,353)	1,094
67			
68 Total (Over) / Under 04/30/23	\$0	\$ (389,248)	(\$389,248)

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Summary Page 2

2330 Cost of Gas Reconciliation Report
For the six months ended April 30, 2023 peak season

	Original Filing 1/	Actual	Difference	
69	Working Capital Account 1163-1422			
70				
71	Beginning Balance 05/01/22 – (Over) / Under	(30,998 33)	\$ (30,998)	\$0
72	WC Net Costs 5/1/22 – 10/31/22	(30,912)	(30,912)	-
73	Interest 5/1/22 – 10/31/22	(1,348)	(1,348)	-
74	Ending Balance 10/31/22 (Over)/Under	(\$63,258)	(\$63,258)	\$0
75				
76	Working Capital Costs 11/1/22 – 4/30/23	(30,998)	235,253	266,252
77				
78	Working Capital CGA Billed	96,173	(355,984)	(452,157)
79				
80	Adjustment	-	23,515	23,515
81				
82	Interest	(1,917)	(1,896)	22
83				
84	Total (Over) / Under 04/30/23	\$0	(\$162,369)	(\$162,369)
85				
86	Total 1920-1740, 1920-1743, 1163-1422	\$0	\$ (9,129,307 38)	\$ (9,129,307 38)

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

LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP.
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WINTER 2022-2023 COST OF GAS RESULTS
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SUMMARY OF DEMAND CHARGES FOR PERIOD

Summary Page 3

REDACTED

	<u>Filing</u>	<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Difference</u>
	<u>(a)</u>	<u>May 22 – Oct 22</u>	<u>Nov 22 – Apr 23</u>	<u>Peak Demand</u>	<u>(e)=(d)-(a)</u>
		<u>(b)</u>	<u>(c)</u>	<u>(d)=(b)+(c)</u>	
1 Supplies:					
2 Union Gas					
3 ICE					
4					
5					
6 Pipelines:					
7 ANE (TransCanada via Union to Iroquois) & TransCanada via Union to Portland	\$952,531	\$390,164	\$0	\$390,164	(\$562,367)
8 Constellation Demand - Concord Lateral Z-6	4,398,768 00		0 00	0 00	(4,398,768 00)
9 Dominion - 300076			33,240 76	33,240 76	33,240 76
10 Emera			0 00	0 00	0 00
11 Iroquois Gas Transmission - R-470-01	127,133 27	123,924 82	119,859 52	243,784 34	116,651 07
12 National Fuel - N02358	364,423 80		191,869 79	191,869 79	(172,554 01)
13 National Fuel - O02357			289,230 19	289,230 19	289,230 19
14 Portland Natural Gas - FT-1999-001	793,407 30	793,407 50	793,427 04	1,586,834 54	793,427 24
15 Tennessee Gas - 523	0 00		327,830 04	327,830 04	327,830 04
16 Tennessee Gas - 11234	757,353 47		474,287 90	474,287 90	(283,065 57)
17 Tennessee Gas - 2302	115,454 68	121,423 73	118,851 54	240,275 27	124,820 59
18 Tennessee Gas - 42076	983,232 00		486,231 78	486,231 78	(497,000 22)
19 Tennessee Gas - 632	1,313,766 96		777,592 55	777,592 55	(536,174 41)
20 Tennessee Gas - 72694	0 00		2,188,684 44	2,188,684 44	2,188,684 44
21 Tennessee Gas - 8587	2,550,754 02	2,614,754 61	2,549,874 56	5,164,629 17	2,613,875 15
22 Tennessee Gas - 95346	147,924 00	147,924 00	175,293 51	323,217 51	175,293 51
23 Tennessee Gas - 358905	983,232 00		971,376 00	971,376 00	(11,856 00)
24 Tennessee Gas - Refund	(3,745,564 45)		(1 34)	(1 34)	3,745,563 11
25 Northern Gas transport			0 00		
26 Trans Gas			0 00		
27 Tennessee Gas - 2694			0 00	0 00	0 00
28 Trans Gas -		<u>0 00</u>	<u>0 00</u>	<u>0 00</u>	<u>0 00</u>
29					
30					
31					
32 Peaking Supply					
33 Constellation Demand					
34 BP Energy Canada					
35 Emera					
36 Demand FLS					
38 JP Morgan					
39					
40 Propane					
41 Energy North Propane	\$0	\$0	\$0	\$0	\$0
42					
43 Storage:					
44 Demand & Capacity Charges	\$999,899	\$0	\$ 5,465,745 97	\$5,465,746	\$4,465,847
45					
46 Other:					
47 Capacity Managed	(\$599,502)	(\$2,027,770)	\$ (4,223,752)	(\$6,251,522)	(\$5,652,020)
48 Pipeline Refunds	\$0	\$0	\$0	\$0	\$0
49					
50 Total Demand Charges (Forward to Page 4)	<u>\$12,513,323</u>	<u>\$2,163,828</u>	<u>\$11,440,974</u>	<u>\$13,604,802</u>	<u>\$1,091,479</u>

[1] Due to the recent purchase of ENGIE by Constellation some demand charges may be included under the commodity tabs. The total costs are correct and tie to the Company's books.

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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):	\$12,513,323		\$13,604,802		\$1,091,479	
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)	86,404,146		81,062,417		(5,341,729)	
62 Cost	\$ 117,533,374	1 3603	\$ 65,453,977	0 8075	\$ (52,079,397)	(0 5528)
63						
64 Total Demand and Commodity Costs	\$ 130,046,698		\$ 79,058,780		\$ (50,987,918)	
65						
66						
67 Demand (therms):	86,404,146		81,062,417		(5,341,729)	
68						
69 Firm Gas Sales	86,404,146		78,721,321		(7,682,825)	
70						
71 Lost Gas (Unaccounted For)	2,031,697		1,906,092		(125,605)	
72 Unbilled Therms	(2,193,222)		273,479		2,466,701	
73						
74 Fuel Retention	-		-		-	
75 Company Use	161,525		161,525		-	
76 Total Demand	86,404,146		81,062,417		(5,341,729)	

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REDACTED

	(A) Actual Volume	(B) Normal Volume	(C) Actual Rate	(A-B)*C Difference
1 Weather Variance - Volume Impact				
2 City Gate Delivered Supply				
3 Dawn				
4 Enbridge/TC Energy Purchases for Sendout Combo				
5 LNG P/S Plant & Commodity				
6 Other				
7 PNGTS				
8 Propane P/S Plant Commodity				
9 Propane Off System Sales				
10 Storage Gas - Commodity Injected				
11 TGP Gulf				
12 TGP/Niagara/Union Commodity				
13 Total Volume Weather Variance	80,638,877	91,135,341		\$ (7,521,751)
	(A) Forecast Volume	(B) Actual Volume	(C) Forecast Rate	(B-A)*C Difference
16 Volume Variance - Commodity Costs				
17 City Gate Delivered Supply				
18 Dawn				
19 Dracut				
20 Enbridge/TC Energy Purchases for Sendout Combo				
21 LNG P/S Plant & Commodity				
22 Other				
23 PNGTS Commodity				
24 Propane P/S Plant Commodity				
25 Propane Off System Sales				
26 Storage Gas - Commodity Injected				
27 TGP Gulf				
28 TGP/Niagara Purchases for Sendout				
29 Total Demand Variance (Less Fuel Retention)	85,656,393	81,775,854		
30				
31 Volume Variance Net of Weather Variance				\$ (46,407,110)
32				
33				
34				
35				
36				
37 Rate Variance - Commodity Costs	(A) Actual Volume	(B) Forecast Rate	(C) Actual Rate	(C-B)*A Difference
38 City Gate Delivered Supply				
39 Dawn				
40 Dracut				
41 Enbridge/TC Energy Purchases for Sendout Combo				
42 LNG P/S Plant & Commodity				
43 Other				
44 PNGTS				
45 Propane P/S Plant Commodity				
46 Propane Off System Sales				
47 Storage Gas - Commodity Injected				
48 TGP Gulf				
49 TGP/Niagara Purchases for Sendout				
50 Total Commodity Cost Rate Variance	80,638,877			\$ 2,680,826
51 Demand Charge Variance (from page 3)				1,091,479
52				
53 Other Rate Variance (from page 4)				
54 Hedging (Gains)/Losses				0
55 Cashout, Broker Penalty, Canadian Managed, Prior Period Adjustments				0
56				
57 Total Rate Variance				\$ 3,772,305
58				
59 Due to Weather Variance				(7,521,751)
60				
61 Due to Volume Variance (from above)				(46,407,110)
62				
63 Total Gas Cost Variance				\$ (50,156,556)

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Summary Page 6

	<u>FILING</u>	<u>ACTUAL</u>
1 Cost of Propane	\$ 2,297,840	\$ 1,166,745
2 Cost of LNG	<u>10,347,463</u>	<u>5,299,938</u>
3 Total Costs	12,645,303	6,466,683
4 Percentage of Supplies Used For Pressure Support Purposes	8.7%	8.7%
5 Cost of Supplies Used For Pressure Support Purposes	<u>1,100,141</u>	<u>562,601</u>
6		
7 Firm Therms Sold	92,780,984	78,721,321
8		
9 Firm Therms Transported	<u>43,122,920</u>	<u>38,729,577</u>
10 Total Therms	135,903,904	117,450,898
11		
12 Actual Liquid Cost/Therm	0.0081	0.0048
13		
14 Firm Therms Transported	<u>43,122,920</u>	<u>38,729,577</u>
15		
16 Liquid Costs Allocated to Transported Therms	349,080	185,519
17		
18 Prior (Over) or under Collection	<u>72,941</u>	<u>72,941</u>
19 Total	<u>422,021</u>	<u>258,460</u>
20		
21 Costs Recovered:		
22		
23 Therms Transported	43,122,920	38,729,577
24 Recovery Rate	<u>0.0098</u>	<u>0.0098</u>
25 Costs Recovered	<u>422,021</u>	<u>379,025</u>
26		
27 (Over) / Under Collection For Period	0	(120,566)