

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP
D/B/A LIBERTY UTILITIES
WINTER 2019-2020 COST OF GAS RESULTS
DG 19-145

2330 Cost of Gas Reconciliation Report
For the six months ended April 30, 2020 peak season

| | <u>Original</u> <u>Filing 1/</u> | <u>Actual</u> | <u>Difference</u> |
|---|-------------------------------------|---------------|-------------------|
| Peak Gas cost Account 1920-1740 | | | |
| Balance 05/01/19 - (Over) / Under | \$1,912,210 | \$1,912,210 | \$0 |
| Net Peak Gas Costs 5/1/19 - 10/31/19 | \$1,172,346 | (836,726) | (2,009,072) |
| Fuel Financing 5/1/19 - 10/31/19 | - | - | - |
| Prior Period Adjustment 5/1/19-10/31/19 | (801,362) | - | 801,362 |
| Return on Inventory | - | 351,017 | - |
| Broker Revenue 5/1/19 - 10/31/19 | - | - | - |
| Bad Debt Adjustment 5/1/19 - 10/31/19 | - | - | - |
| IT Sales Margins 5/1/19 - 10/31/19 | - | - | - |
| Off System Sales Margin 5/1/19 - 10/31/19 | - | - | - |
| Capacity Release 5/1/19 - 10/31/19 | - | - | - |
| Interest 5/1/19 - 10/31/19 | 51,572 | 32,204 | (19,368) |
| Sum 5/1/19 - 10/31/19 Net Costs | \$422,556 | (453,505) | (\$1,227,078) |
| Ending Balance 10/31/19 (Over)/Under | 2,334,766 | 1,458,705 | (\$1,227,078) |
| Interest 11/1/19 - 4/30/20 | (81,408) | (24,813) | 56,595 |
| Refund from Suppliers 11/1/19 - 4/30/20 | - | - | - |
| Return on Inventory | - | 380,758 | - |
| Interruptible and 280-Day Sales Margins 11/1/19 - 4/30/20 | - | - | - |
| Hedging costs | - | - | - |
| Off System Sales Margin 11/1/19 - 4/30/20 | - | - | - |
| Capacity Release Credits 11/1/19 - 4/30/20 | 1,991,076 | (1,736,581) | (3,727,657) |
| Fixed Price Option Admin Costs | 45,000 | - | (45,000) |
| Broker Revenues 11/1/19 - 4/30/20 | 0 | (1,472,720) | (1,472,720) |
| Production & Storage | 0 | 1,980,428 | 1,980,428 |
| Misc. Overhead | 0 | 10,649 | 10,649 |
| Bad Debt Adjustment % | - | - | - |
| Transportation Cost of Gas Revenue | - | (40,053) | (40,053) |
| Total Adjustment to Costs | 3,117,088 | (\$902,333) | (\$4,019,421) |
| Gas Costs 11/1/19 - 4/30/20 | \$59,289,880 | 43,400,365 | (\$15,889,515) |
| Total Gas Costs and Adjustments 11/19 - 04/20 | \$62,406,968 | \$42,498,033 | (\$19,908,935) |
| Gas Cost Billed | (\$64,741,734) | (41,729,317) | \$23,012,417 |
| Total (Over) / Under 04/30/20 | \$0 | \$2,227,421 | \$2,227,421 |

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For the six months ended April 30, 2020 peak season

| | <u>Original Filing 1/</u> | <u>Actual</u> | <u>Difference</u> |
|---|-------------------------------|--------------------|--------------------|
| <u>Bad Debts Accounts 1920-1743</u> | | | |
| Beginning Balance | (\$402,518) | (\$402,518) | \$0 |
| BD Net Costs 5/1/19 - 10/31/19 | 13,040 | (16,296) | (29,336) |
| Interest 5/1/19 - 10/31/19 | (10,768) | (9,662) | 1,106 |
| Beginning Balance 10/31/19 (Over)/Under | (\$400,246) | (\$428,477) | (\$28,231) |
| Bad Debt Costs 11/1/19 - 4/30/20 | 585,386 | 420,350 | (165,036) |
| Bad Debt COG Billed | (146,062) | (281,255) | (135,193) |
| Adjustment | - | - | - |
| Interest | (39,078) | (7,246) | 31,832 |
| Total (Over) / Under 04/30/20 | \$0 | (\$296,628) | (\$296,628) |
| <u>Working Capital Account 1163-1422</u> | | | |
| Beginning Balance | (\$42,277) | (\$42,277) | \$0 |
| WC Net Costs 5/1/19 - 10/31/19 | (5,196) | (6,859) | (1,663) |
| Interest 5/1/19 - 10/31/19 | (1,236) | (1,099) | 137 |
| Beginning Balance 10/31/19 (Over)/Under | (\$48,709) | (\$50,234) | (\$1,525) |
| Working Capital Costs 11/1/19 - 4/30/20 | 106,660 | 76,321 | (30,339) |
| Working Capital CGA Billed | (54,476) | (91,844) | (37,368) |
| Adjustment | (2,861) | 0 | 2,861 |
| Interest | (614) | (1,079) | (465) |
| Total (Over) / Under 04/30/20 | \$0 | (\$66,837) | (\$66,837) |
| Total 1920-1740, 1920-1743, 1163-1422 | \$0 | \$1,863,957 | \$1,863,957 |

1/ As filed 09-04-18 in the Winter portion of the 2018-2019 Cost of Gas DG 18-137.

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP
D/B/A LIBERTY UTILITIES
WINTER 2019-2020 COST OF GAS RESULTS
DG 19-145

REVISED
Summary Page 4

REDACTED

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> |
|---|---------------|---------------------------------------|---------------|---------------------------------------|--------------------------|
| Demand Charges (Brought from Page 3): | \$11,230,946 | | \$11,742,666 | | \$511,720 |
| <u>TGP Gulf Commodity</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>Dracut Commodity</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>PNGTS Commodity</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>Dawn Supply</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>ENGIE COMBO</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>TGP/Niagara/Union Commodity</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>City Gate Delivered Supply</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>DOMAC</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>Storage Gas - Commodity Injected</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>Propane P/S Plant Commodity</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>Propane Off System Sales</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>LNG P/S Plant & Commodity</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| <u>Hedging (Gains) Losses</u> | | | | | |
| <u>Other- Boil Off, LNG, LPG, Berlin OBA</u> | | | | | |
| Therms | | | | | |
| Cost | | | | | |
| Other Costs | | | | | |
| Subtotal: | | | | | |
| Volumes (net of fuel retention) | 92,542,044 | | 86,266,883 | | (6,275,161) |
| Cost | \$ 40,875,470 | 0.4417 | \$ 26,963,465 | 0.3126 | \$ (13,912,007) (0.1291) |
| Total Demand and Commodity Costs | \$ 52,106,416 | | \$ 38,706,131 | | \$ (13,400,287) |
| Demand (therms): | 92,542,044 | | 86,266,883 | | (6,275,161) |
| Firm Gas Sales | 81,783,767 | | 81,783,767 | | - |
| Lost Gas (Unaccounted For) | 1,628,740 | | 1,518,297 | | (110,443) |
| Unbilled Therms | 8,939,784 | | 2,775,065 | | (6,164,719) |
| Fuel Retention | - | | - | | - |
| Company Use | 189,753 | | 189,753 | | - |
| Total Demand | 92,542,044 | | 86,266,883 | | (6,275,161) |

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REVISED
Summary Page 6

| | <u>FILING</u> | <u>ACTUAL</u> |
|---|-------------------|-------------------|
| Cost of Propane | \$ 1,409,746 | \$ 530,060 |
| Cost of LNG | 923,934 | 545,855 |
| Total Costs | <u>2,333,680</u> | <u>1,075,916</u> |
| Percentage of Supplies Used For Pressure Support Purposes | 8.7% | 8.7% |
| Cost of Supplies Used For Pressure Support Purposes | <u>203,030</u> | <u>93,605</u> |
| | | |
| Firm Therms Sold | 88,325,512 | 81,783,767 |
| Firm Therms Transported | <u>50,711,358</u> | <u>40,794,573</u> |
| Total Therms | 139,036,870 | 122,578,340 |
| | | |
| Actual Liquid Cost/Therm | 0.0015 | 0.0008 |
| | | |
| Firm Therms Transported | <u>50,711,358</u> | <u>40,794,573</u> |
| | | |
| Liquid Costs Allocated to Transported Therms | 74,052 | 31,152 |
| Prior (Over) or under Collection | <u>(59,496)</u> | <u>(59,496)</u> |
| Total | <u>14,556</u> | <u>(28,344)</u> |
| | | |
| Costs Recovered: | | |
| | | |
| Therms Transported | 50,711,358 | 40,794,573 |
| Recovery Rate | <u>0.0003</u> | <u>0.0003</u> |
| Costs Recovered | <u>14,556</u> | <u>11,709</u> |
| | | |
| (Over) / Under Collection For Period | 0 | (40,053) |

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP
D/B/A LIBERTY UTILITIES
NOVEMBER 2019 THROUGH APRIL 2020
SCHEDULE 3
WINTER CGAC GAS REVENUES BILLED

| FOR MONTH OF: | prior collections | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | subsequent collections | Total |
|---|-------------------|---------------------|---------------------|----------------------|---------------------|---------------------|---------------------|------------------------|----------------------|
| | Off-Peak | Peak | Peak | Peak | Peak | Peak | Peak | Peak | Peak |
| VOLUMES BILLED | | | | | | | | | |
| RESIDENTIAL | | | | | | | | | |
| R-1 , R-5 | - | 47,823 | 72,948 | 90,309 | 81,928 | 78,247 | 70,131 | - | 441,386 |
| R-1 , R-5 FPO | - | 508 | 3,513 | 4,286 | 3,766 | 3,741 | 3,267 | - | 19,081 |
| R-3, R-6 | - | 3,440,429 | 7,475,354 | 9,039,925 | 8,193,283 | 7,456,962 | 5,649,367 | - | 41,255,320 |
| R-3, R-6 FPO | - | 109,385 | 565,789 | 681,306 | 613,445 | 560,712 | 426,065 | - | 2,956,702 |
| R-4, R-7 | - | 45,846 | 499,930 | 611,425 | 605,975 | 594,893 | 443,387 | - | 2,801,456 |
| R-4, R-7 FPO | - | 189,315 | 54,541 | 64,672 | 60,639 | 60,012 | 42,205 | - | 471,384 |
| Total Residential | - | 3,833,306 | 8,672,075 | 10,491,923 | 9,559,036 | 8,754,567 | 6,634,422 | - | 47,183,340 |
| COMMERCIAL/INDUSTRIAL | | | | | | | | | |
| G41 - G43 | - | 1,873,273 | 5,142,351 | 7,553,022 | 6,034,135 | 5,555,077 | 3,972,104 | - | 30,129,962 |
| G41 - G43 (FPO) | - | - | - | - | - | - | - | - | 0 |
| Total G41- G43 | - | 1,873,273 | 5,142,351 | 7,553,022 | 6,034,135 | 5,555,077 | 3,972,104 | - | 30,129,962 |
| G51 - G63 | - | 527,976 | 554,935 | 450,114 | 779,107 | 789,114 | 607,230 | - | 3,708,476 |
| G51 - G63 (FPO) | - | - | - | - | - | - | - | - | 0 |
| Total G51-G63 | - | 527,976 | 554,935 | 450,114 | 779,107 | 789,114 | 607,230 | - | 3,708,476 |
| Total Sales Volumes | - | 6,234,555 | 14,369,361 | 18,495,059 | 16,372,278 | 15,098,758 | 11,213,756 | - | 81,783,767 |
| TRANSPORTATION | | | | | | | | | |
| G41 - G43 | - | 2,026,890 | 4,118,520 | 4,941,560 | 4,545,258 | 4,260,914 | 3,265,816 | - | 23,158,958 |
| G51 - G63 | - | 3,071,188 | 3,115,985 | 2,930,323 | 3,071,777 | 2,900,628 | 2,545,714 | - | 17,635,615 |
| Total Transportation Volumes | 0 | 5,098,078 | 7,234,505 | 7,871,883 | 7,617,035 | 7,161,542 | 5,811,530 | 0 | 40,794,573 |
| Total Volumes | 0 | 11,332,633 | 21,603,866 | 26,366,942 | 23,989,313 | 22,260,300 | 17,025,286 | 0 | 122,578,340 |
| REVENUES | | | | | | | | | |
| Residential | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Residential (FPO) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| C/I Sales G41 to G43 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| C/I Sales G41 to G43 (FPO) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| C/I Transport G41 to G43 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| C/I Sales G51 to G63 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| C/I Sales G51 to G63 (FPO) | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| C/I Transport G51 to G63 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Winter Gas Cost Rev filed | \$ - | \$ 1,545,799 | \$ 8,859,287 | \$ 11,106,628 | \$ 8,582,451 | \$ 6,182,536 | \$ 3,811,677 | \$ - | \$ 40,088,379 |
| Winter Proration | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| adjust to pro-ration report | - | - | - | - | - | - | - | - | - |
| Less Occupant Billing | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |
| Total | \$ - | \$ 1,545,799 | \$ 8,859,287 | \$ 11,106,628 | \$ 8,582,451 | \$ 6,182,536 | \$ 3,811,677 | \$ - | \$ 40,088,379 |
| Winter Gas Costs Billed (Acct 1920-1740) | \$ - | \$ 1,545,799 | \$ 8,859,287 | \$ 11,106,628 | \$ 8,582,451 | \$ 6,182,536 | \$ 3,811,677 | \$ - | \$ 40,088,379 |
| Winter Transportation Gas Costs Billed (Acct 1920-1740) | - | - | - | - | - | - | - | - | - |
| Total Winter Gas Cost Billed (Acct 1920-1740) | \$ - | \$ 1,545,799 | \$ 8,859,287 | \$ 11,106,628 | \$ 8,582,451 | \$ 6,182,536 | \$ 3,811,677 | \$ - | \$ 40,088,379 |
| Total Sales COG Billed | \$ - | \$ 1,545,799 | \$ 8,859,287 | \$ 11,106,628 | \$ 8,582,451 | \$ 6,182,536 | \$ 3,811,677 | \$ - | \$ 40,088,379 |
| Plus: Working Capital Gas Cost Billed | - | 2,913 | 16,999 | 21,773 | 19,262 | 17,746 | 13,151 | - | 91,844 |
| Plus: Bad Debt Cost Billed | - | 9,063 | 52,002 | 66,591 | 58,956 | 54,322 | 40,321 | - | 281,255 |
| Plus: Broker Revenues | - | 25,082 | 359,250 | 225,956 | 456,321 | 203,049 | 203,061 | - | 1,472,720 |
| Total Winter Gas Costs Billed | \$ - | \$ 1,582,858 | \$ 9,287,538 | \$ 11,420,948 | \$ 9,116,991 | \$ 6,457,652 | \$ 4,068,210 | \$ - | \$ 41,934,198 |

LIBERTY UTILITIES (ENERGY NORTH NATURAL GAS) CORP
D/B/A LIBERTY UTILITIES
NOVEMBER 2019 THROUGH APRIL 2020
SCHEDULE 3A- CALCULATION OF UNBILLED GAS COSTS (ACCRUED COG)

| FOR MONTH OF: | | Oct-19 | Nov-19 | Dec-19 | Jan-20 | Feb-20 | Mar-20 | Apr-20 | Total |
|----------------------|---------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| 1 | Firm Gas Purchases | | 13,214,578 | 17,910,681 | 18,390,753 | 16,480,400 | 11,634,946 | 8,635,524 | 86,266,883 |
| 2 | Firm Sales | | 6,234,555 | 14,369,361 | 18,495,059 | 16,372,278 | 15,098,758 | 11,213,756 | 81,783,767 |
| 3 | Company Use | | 21,049 | 39,295 | 39,623 | 39,614 | 28,825 | 21,347 | 189,753 |
| 4 | Unaccounted For % | | 1.76% | 1.76% | 1.76% | 1.76% | 1.76% | 1.76% | |
| 5 | Unaccounted For Gas | | 232,577 | 315,228 | 323,677 | 290,055 | 204,775 | 151,985 | 1,518,297 |