

**Liberty Utilities (EnergyNorth Natural Gas) Corp.  
Peak 2015 - 2016 Winter Cost of Gas Filing**

**Filed Tariff Sheets**

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**CHECK SHEET**

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**CHECK SHEET (Cont'd)**

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**II RATE SCHEDULES**  
**FIRM RATE SCHEDULES**

|  | <u>Winter Period</u>   |                                 |                     |                   | <u>Summer Period</u>   |                                 |                     |                   |
|--|------------------------|---------------------------------|---------------------|-------------------|------------------------|---------------------------------|---------------------|-------------------|
|  | <u>Delivery Charge</u> | <u>Cost of Gas Rate Page 77</u> | <u>LDAC Page 82</u> | <u>Total Rate</u> | <u>Delivery Charge</u> | <u>Cost of Gas Rate Page 77</u> | <u>LDAC Page 82</u> | <u>Total Rate</u> |
| <b><u>Residential Non Heating - R-1</u></b>  |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$15.24                |                                 |                     | \$ 15.24          | \$ 15.24               |                                 |                     | \$ 15.24          |
| All therms                                   | \$ 0.2014              | \$ 0.4423                       | \$ 0.1014           | \$ 0.7451         | \$ 0.2014              | \$ 0.3796                       | \$ 0.0937           | \$ 0.6747         |
| <b><u>Residential Heating - R-3</u></b>      |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$22.04                |                                 |                     | \$ 22.04          | \$ 22.04               |                                 |                     | \$ 22.04          |
| Size of the first block                      | 100 therms             |                                 |                     |                   | 20 therms              |                                 |                     |                   |
| Therms in the first block per month at       | \$ 0.3486              | \$ 0.4423                       | \$ 0.1014           | \$ 0.8923         | \$ 0.3486              | \$ 0.3796                       | \$ 0.0937           | \$ 0.8219         |
| All therms over the first block per month at | \$ 0.2885              | \$ 0.4423                       | \$ 0.1014           | \$ 0.8322         | \$ 0.2885              | \$ 0.3796                       | \$ 0.0937           | \$ 0.7618         |
| <b><u>Residential Heating - R-4</u></b>      |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$8.82                 |                                 |                     | \$ 8.82           | \$ 8.82                |                                 |                     | \$ 8.82           |
| Size of the first block                      | 100 therms             |                                 |                     |                   | 20 therms              |                                 |                     |                   |
| Therms in the first block per month at       | \$ 0.1394              | \$ 0.4423                       | \$ 0.1014           | \$ 0.6831         | \$ 0.1394              | \$ 0.3796                       | \$ 0.0937           | \$ 0.6127         |
| All therms over the first block per month at | \$ 0.1153              | \$ 0.4423                       | \$ 0.1014           | \$ 0.6590         | \$ 0.1153              | \$ 0.3796                       | \$ 0.0937           | \$ 0.5886         |
| <b><u>Commercial/Industrial - G-41</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$48.24                |                                 |                     | \$ 48.24          | \$ 48.24               |                                 |                     | \$ 48.24          |
| Size of the first block                      | 100 therms             |                                 |                     |                   | 20 therms              |                                 |                     |                   |
| Therms in the first block per month at       | \$ 0.3956              | \$ 0.4361                       | \$ 0.0685           | \$ 0.9002         | \$ 0.3956              | \$ 0.3933                       | \$ 0.0793           | \$ 0.8682         |
| All therms over the first block per month at | \$ 0.2657              | \$ 0.4361                       | \$ 0.0685           | \$ 0.7703         | \$ 0.2657              | \$ 0.3933                       | \$ 0.0793           | \$ 0.7383         |
| <b><u>Commercial/Industrial - G-42</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$144.73               |                                 |                     | \$ 144.73         | \$ 144.73              |                                 |                     | \$ 144.73         |
| Size of the first block                      | 1000 therms            |                                 |                     |                   | 400 therms             |                                 |                     |                   |
| Therms in the first block per month at       | \$ 0.3598              | \$ 0.4361                       | \$ 0.0685           | \$ 0.8644         | \$ 0.3598              | \$ 0.3933                       | \$ 0.0793           | \$ 0.8324         |
| All therms over the first block per month at | \$ 0.2396              | \$ 0.4361                       | \$ 0.0685           | \$ 0.7442         | \$ 0.2396              | \$ 0.3933                       | \$ 0.0793           | \$ 0.7122         |
| <b><u>Commercial/Industrial - G-43</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$621.12               |                                 |                     | \$ 621.12         | \$ 621.12              |                                 |                     | \$ 621.12         |
| All therms over the first block per month at | \$ 0.2210              | \$ 0.4361                       | \$ 0.0685           | \$ 0.7256         | \$ 0.1011              | \$ 0.3933                       | \$ 0.0793           | \$ 0.5737         |
| <b><u>Commercial/Industrial - G-51</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$48.24                |                                 |                     | \$ 48.24          | \$ 48.24               |                                 |                     | \$ 48.24          |
| Size of the first block                      | 100 therms             |                                 |                     |                   | 100 therms             |                                 |                     |                   |
| Therms in the first block per month at       | \$ 0.2384              | \$ 0.4554                       | \$ 0.0685           | \$ 0.7623         | \$ 0.2384              | \$ 0.3451                       | \$ 0.0793           | \$ 0.6628         |
| All therms over the first block per month at | \$ 0.1549              | \$ 0.4554                       | \$ 0.0685           | \$ 0.6788         | \$ 0.1549              | \$ 0.3451                       | \$ 0.0793           | \$ 0.5793         |
| <b><u>Commercial/Industrial - G-52</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$144.73               |                                 |                     | \$ 144.73         | \$ 144.73              |                                 |                     | \$ 144.73         |
| Size of the first block                      | 1000 therms            |                                 |                     |                   | 1000 therms            |                                 |                     |                   |
| Therms in the first block per month at       | \$ 0.2047              | \$ 0.4554                       | \$ 0.0685           | \$ 0.7286         | \$ 0.1484              | \$ 0.3451                       | \$ 0.0793           | \$ 0.5728         |
| All therms over the first block per month at | \$ 0.1364              | \$ 0.4554                       | \$ 0.0685           | \$ 0.6603         | \$ 0.0843              | \$ 0.3451                       | \$ 0.0793           | \$ 0.5087         |
| <b><u>Commercial/Industrial - G-53</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$639.21               |                                 |                     | \$ 639.21         | \$ 639.21              |                                 |                     | \$ 639.21         |
| All therms over the first block per month at | \$ 0.1430              | \$ 0.4554                       | \$ 0.0685           | \$ 0.6669         | \$ 0.0687              | \$ 0.3451                       | \$ 0.0793           | \$ 0.4931         |
| <b><u>Commercial/Industrial - G-54</u></b>   |                        |                                 |                     |                   |                        |                                 |                     |                   |
| Customer Charge per Month per Meter          | \$639.21               |                                 |                     | \$ 639.21         | \$ 639.21              |                                 |                     | \$ 639.21         |
| All therms over the first block per month at | \$ 0.0546              | \$ 0.4554                       | \$ 0.0685           | \$ 0.5785         | \$ 0.0296              | \$ 0.3451                       | \$ 0.0793           | \$ 0.4540         |

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CALCULATION OF FIRM SALES COST OF GAS RATE  
PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2015 THROUGH APRIL 30, 2016  
(Refer to Text in Section 16 Cost of Gas Clause)

| (Col 1)  | (Col 2)             | (Col 3)                      |
|--|---------------------|------------------------------|
| Total Anticipated Direct Cost of Gas                       | \$ 59,426,348       |                              |
| Projected Prorated Sales (11/01/15 - 04/30/16)             | 85,749,300          |                              |
| <b>Direct Cost of Gas Rate</b>                             |                     | \$ 0.6930 per therm          |
| <b>Demand Cost of Gas Rate</b>                             | \$ 8,946,041        | \$ 0.1043 per therm          |
| <b>Commodity Cost of Gas Rate</b>                          | 60,664,327          | \$ 0.7075 per therm          |
| <b>Adjustment Cost of Gas Rate</b>                         | <u>(10,184,020)</u> | <u>\$ (0.1188) per therm</u> |
| <b>Total Direct Cost of Gas Rate</b>                       | \$ 59,426,348       | \$ 0.6930 per therm          |
| Total Anticipated Indirect Cost of Gas                     | \$ 5,026,252        |                              |
| Projected Prorated Sales (11/01/15 - 04/30/16)             | 85,749,300          |                              |
| <b>Indirect Cost of Gas</b>                                |                     | \$ 0.0586 per therm          |
| <b>TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/15</b> |                     | <b>\$ 0.7516 per therm</b>   |

|   |              |                         |
|---|--------------|-------------------------|
| <b>RESIDENTIAL COST OF GAS RATE - 11/01/15</b>      | <b>COGwr</b> | <b>\$ 0.7516 /therm</b> |
| Change in rate due to change in under/over recovery |              | \$ (0.1260)             |
| <b>RESIDENTIAL COST OF GAS RATE - 01/01/2016</b>    | <b>COGsr</b> | <b>\$ 0.6256 /therm</b> |
| Change in Rate due to change in under/over recovery |              | \$ (0.1820)             |
| <b>RESIDENTIAL COST OF GAS RATE - 02/01/2016</b>    | <b>COGwr</b> | <b>\$ 0.4436 /therm</b> |
| Change in Rate due to change in under/over recovery |              | \$ (0.1802)             |
| <b>RESIDENTIAL COST OF GAS RATE - 3/1/2016</b>      | <b>COGwr</b> | <b>\$ 0.2634 /therm</b> |
| Change in Rate due to change in under/over recovery |              | \$ 0.1789               |
| <b>RESIDENTIAL COST OF GAS RATE - 4/1/2016</b>      | <b>COGwr</b> | <b>\$ 0.4423 /therm</b> |

Maximum (COG + 25%) \$ 0.9395

|   |              |                         |
|---|--------------|-------------------------|
| <b>C&amp;I LOW WINTER USE COST OF GAS RATE - 11/01/15</b>   | <b>COGwl</b> | <b>\$ 0.7647 /therm</b> |
| Change in rate due to change in under/over recovery         |              | \$ (0.1260)             |
| <b>C&amp;I LOW WINTER USE COST OF GAS RATE - 01/01/2016</b> | <b>COGsl</b> | <b>\$ 0.6387 /therm</b> |
| Change in Rate due to change in under/over recovery         |              | \$ (0.1820)             |
| <b>C&amp;I LOW WINTER USE COST OF GAS RATE - 02/01/2016</b> | <b>COGsl</b> | <b>\$ 0.4567 /therm</b> |
| Change in Rate due to change in under/over recovery         |              | \$ (0.1802)             |
| <b>C&amp;I LOW WINTER USE COST OF GAS RATE - 3/01/2016</b>  | <b>COGsl</b> | <b>\$ 0.2765 /therm</b> |
| Change in Rate due to change in under/over recovery         |              | \$ 0.1789               |
| <b>C&amp;I LOW WINTER USE COST OF GAS RATE - 4/01/2016</b>  | <b>COGsl</b> | <b>\$ 0.4554 /therm</b> |

|  |               |                     |           |
|--|---------------|---------------------|-----------|
| Average Demand Cost of Gas Rate Effective 11/01/15 | \$ 0.1043     |                     |           |
| Times: Low Winter Use Ratio (Winter)               | 1.1498        | Maximum (COG + 25%) | \$ 0.9559 |
| Times: Correction Factor                           | <u>0.9794</u> |                     |           |
| Adjusted Demand Cost of Gas Rate                   | \$ 0.1174     |                     |           |
| Commodity Cost of Gas Rate                         | \$ 0.7075     |                     |           |
| Adjustment Cost of Gas Rate                        | \$ (0.1188)   |                     |           |
| Indirect Cost of Gas Rate                          | \$ 0.0586     |                     |           |
| Adjusted C&I Low Winter Use Cost of Gas Rate       | \$ 0.7647     |                     |           |

|  |              |                         |
|--|--------------|-------------------------|
| <b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 11/01/15</b>   | <b>COGwh</b> | <b>\$ 0.7454 /therm</b> |
| Change in rate due to change in under/over recovery          |              | \$ (0.1260)             |
| <b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 01/01/2016</b> | <b>COGsh</b> | <b>\$ 0.6194 /therm</b> |
| Change in Rate due to change in under/over recovery          |              | \$ (0.1820)             |
| <b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 02/01/2016</b> | <b>COGwh</b> | <b>\$ 0.4374 /therm</b> |
| Change in Rate due to change in under/over recovery          |              | \$ (0.1802)             |
| <b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 3/01/2016</b>  | <b>COGwh</b> | <b>\$ 0.2572 /therm</b> |
| Change in Rate due to change in under/over recovery          |              | \$ 0.1789               |
| <b>C&amp;I HIGH WINTER USE COST OF GAS RATE - 4/01/2016</b>  | <b>COGwh</b> | <b>\$ 0.4361 /therm</b> |

|  |               |                     |           |
|--|---------------|---------------------|-----------|
| Average Demand Cost of Gas Rate Effective 11/01/15 | \$ 0.1043     |                     |           |
| Times: High Winter Use Ratio (Winter)              | 0.9607        | Maximum (COG + 25%) | \$ 0.9318 |
| Times: Correction Factor                           | <u>0.9794</u> |                     |           |
| Adjusted Demand Cost of Gas Rate                   | \$ 0.0981     |                     |           |
| Commodity Cost of Gas Rate                         | \$ 0.7075     |                     |           |
| Adjustment Cost of Gas Rate                        | \$ (0.1188)   |                     |           |
| Indirect Cost of Gas Rate                          | \$ 0.0586     |                     |           |
| Adjusted C&I High Winter Use Cost of Gas Rate      | \$ 0.7454     |                     |           |

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